

Cisco.350-601.vMar-2024.by.Isin.200q

Number: 350-601
Passing Score: 800
Time Limit: 120
File Version: 41.0

Exam Code: 350-601
Exam Name: Implementing Cisco Data Center Core Technologies (DCCOR)



Exam A

QUESTION 1

Refer to the exhibit.

```
Start time: Mon Apr 15 09:23:01 2019
Last election time: Mon Apr 15 09:24:24 2019
A: UP, PRIMARY
B: UP, SUBORDINATE
A: memb state UP, lead state PRIMARY, mgmt services state: UP
B: memb state UP, lead state SUBORDINATE, mgmt services state: UP
heartbeat state PRIMARY_OK
INTERNAL NETWORK INTERFACES:
eth1, UP
eth2, UP
HA NOT READY
No device connected to this Fabric Interconnect
```

What be connected to clear the HA NOT READY status?

- A. server chassis
- B. network uplinks
- C. management ports
- D. Layer 1-Layer 2 ports

Correct Answer: A

Section:

QUESTION 2

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

Correct Answer: A

Section:

QUESTION 3

Refer to the exhibit.

The logo for Vdumps.com, featuring a stylized orange 'V' followed by the word 'dumps' in a grey, lowercase, sans-serif font.

```

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

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

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

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

```

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

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

Correct Answer: C

Section:

QUESTION 4

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

Correct Answer: B

Section:

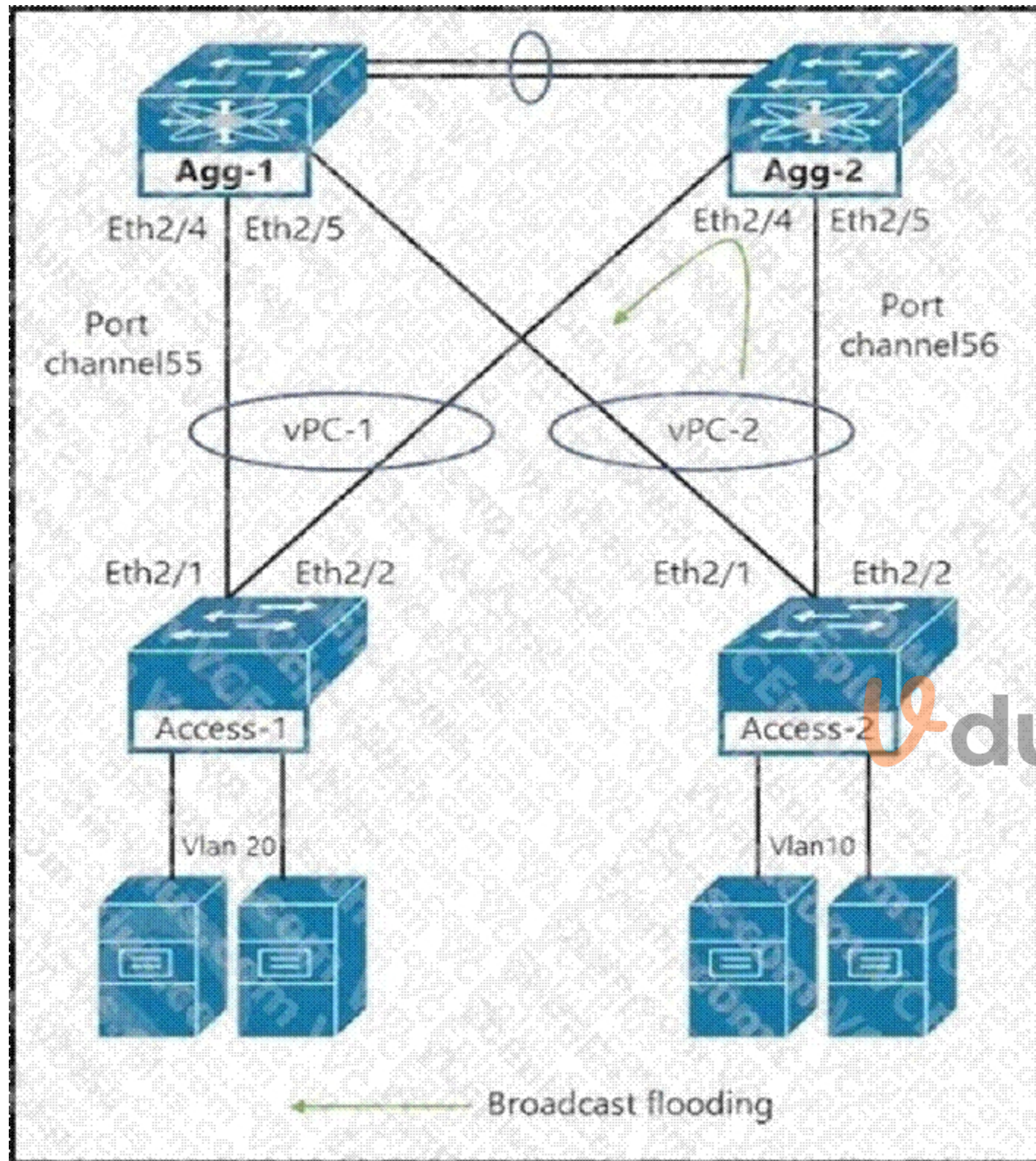
Explanation:

https://tools.cisco.com/security/center/resources/unicast_reverse_path_forwardingThe 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.

QUESTION 5

Refer to the exhibit.





Refer to the exhibit. What happens to the broadcast traffic when it reaches aggregation switches?

- A. Only Agg-1 switch receives broadcast packets and does not forward to the peer link on Agg-2 switch.
- B. Agg-1 switch prevents broadcast packets received on the vPC peer link from exiting the switch on ports Eth2M and Eth2/5
- C. Agg-2 switch receives broadcast packets and stops forwarding to the peer link on Agg-1 switch.
- D. Agg1 and Agg2 switches receive broadcast packets and does not forward them to me peer link or the port channel

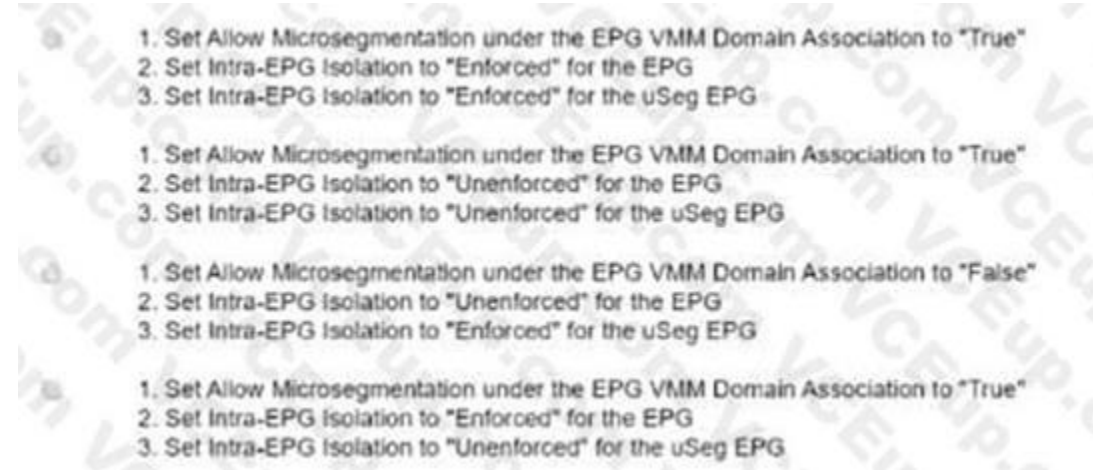
Correct Answer: D

Section:

QUESTION 6

The VMM domain is integrated between Cisco APICs and vCenter using a distributed vSwitch. The traffic must be blocked between a subset of endpoints in an EPG based on specific VM attributes and the rest of the VMs in that EPG.

Which set of actions blocks this traffic?



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

Correct Answer: A

Section:

QUESTION 7

An engineer must configure OSPFv2 connectivity between a pair of Cisco Nexus switches. The connection between the switches must meet these requirements:

Use unicast for updates.

Use decentralized communication of updates.

Full adjacency between switches.

Which configuration is needed to meet these requirements?

- A. interface with a type of p2p network
- B. stub area between the neighbors
- C. filter list between the neighbors
- D. virtual link between the neighbors

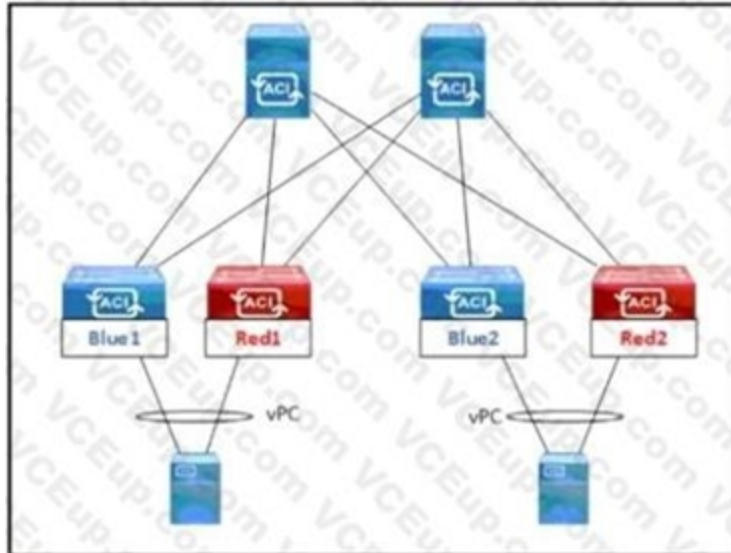
Correct Answer: A

Section:

QUESTION 8

Refer to the exhibit.





Refer to the exhibit. An engineer must schedule the firmware upgrade of the Red1 and Red2 leaf switches. The requirement is to keep the upgrade time to the minimum, avoid any service impact, and perform the parallel upgrade. Which set of scheduler attributes must be used to meet these requirements?

- Configure SchedulerPolicy1 for all four leaf switches Blue1, Blue2, Red1, and Red2.
- Configure SchedulerPolicy1 and SchedulerPolicy2 with a one-time window trigger that has maximum concurrent nodes 1.
- Configure SchedulerPolicy1 for leaf switches Blue1 and Red1, and SchedulerPolicy2 for leaf switches Blue2 and Red2.
- Configure SchedulerPolicy1 and SchedulerPolicy2 with a one-time window trigger that has maximum concurrent nodes 2.
- Configure SchedulerPolicy1 for all four leaf switches Blue1, Blue2, Red1, and Red2.
- Configure SchedulerPolicy1 and SchedulerPolicy2 with a one-time window trigger that has maximum concurrent nodes 2.
- Configure SchedulerPolicy1 for leaf switches Blue1 and Red1, and SchedulerPolicy2 for leaf switches Blue2 and Red2.
- Configure SchedulerPolicy1 and SchedulerPolicy2 with a one-time window trigger that has maximum concurrent nodes 1.

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

Correct Answer: D

Section:

QUESTION 9

An engineer must perform a backup operation of the Cisco UCS system. The backup must be transferred to a secure location using UDP and must contain information about VLANs, VSANs, and other policies. Also, the operations team requires the backup file to be in a human-readable format.

Which configuration set meets these requirements?

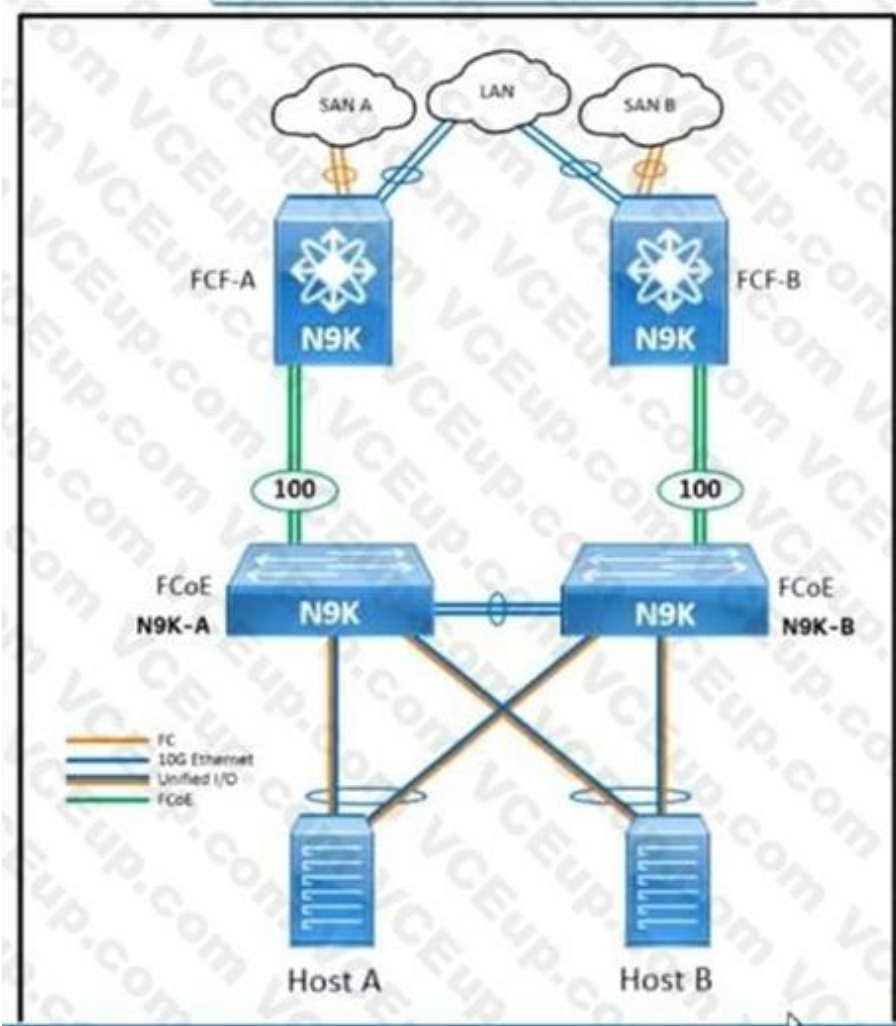
- A. Type: System configuration
Protocol: SCP
- B. Type: Logical configuration
Protocol: TFTP
- C. Type: All configuration
Protocol: FTP
- D. Type: Full state
Protocol: SFTP

Correct Answer: B

Section:

QUESTION 10

Refer to the exhibit.



 **vdumps**

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

The N9K-A and N9K-B top-of-rack switches share the domain ID of the core switches.

The hosts are equipped with converged network adapters.

The only VSAN that is permitted to traverse port-channel 100 is VSAN 20.

Which configuration completes the FCoE configuration on the N9K-A device?

```
N9K-A(config)# feature fcoe
N9K-A(config)# feature npv
N9K-A(config)# interface vfc 100
N9K-A(config-if)# bind interface port-channel 100
N9K-A(config-if)# switchport mode F
N9K-A(config-if)# switchport trunk allowed vsan 20

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

N9K-A(config)# feature-set fcoe-npv
N9K-A(config)# interface vfc-port-channel 100
N9K-A(config-if)# switchport mode NP
N9K-A(config-if)# switchport trunk allowed vsan 20

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

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

Correct Answer: C

Section:



QUESTION 11

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

role name audit rule 1 permit command * rule 2 - Output omitted - username auditor password C4SAFF0B96EB0045\$c0 role audit

Which configuration snippet must complete the configuration?

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

Correct Answer: D

Section:

QUESTION 12

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

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

Correct Answer: D

Section:

QUESTION 13

An engineer must configure the order in which the server attempts to boot from available boot device types using Cisco Integrated Management Controller (Cisco IMC). The engineer must change the boot order configuration during the setup and apply the new requirements multiple times. The requirement is to change the Cisco IMC actual boot order so it is different from the configured boot order. Which setting accomplishes this goal?

- A. Enable the system to boot with the configured boot order.
- B. Set the boot configuration directly through BIOS.
- C. Configure the legacy and precision boot order to be mutually exclusive.
- D. Apply UEFI Secure Boot for a nonsupported operating system.

Correct Answer: A

Section:

QUESTION 14

Which configuration implements static ingress replication?



interface nve 1
member vni 2100980
ingress-replication protocol static
peer-ip 10.0.0.4

interface nve 1
member vni 127772151
ingress-replication protocol bgp

interface nve 1
member vni 3126980
peer vtep 10.0.0.4
ingress-replication protocol static
peer-ip 10.0.0.4

interface nve 1
member vni 384233213
peer vtep 10.0.0.4

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

Correct Answer: A
Section:



Explanation:

"Configuring Static Ingress Replication" section here:

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/7-](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/7-x/vxlan/configuration/guide/b_Cisco_Nexus_9000_Series_NXOS_VXLAN_Configuration_Guide_7x/b_Cisco_Nexus_9000_Series_NXOS_VXLAN_Configuration_Guide_7x_chapter_011.html)

[x/vxlan/configuration/guide/b_Cisco_Nexus_9000_Series_NXOS_VXLAN_Configuration_Guide_7x/b_Cisco_Nexus_9000_Series_NXOS_VXLAN_Configuration_Guide_7x_chapter_011.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/7-x/vxlan/configuration/guide/b_Cisco_Nexus_9000_Series_NXOS_VXLAN_Configuration_Guide_7x/b_Cisco_Nexus_9000_Series_NXOS_VXLAN_Configuration_Guide_7x_chapter_011.html)

QUESTION 15

Refer to the exhibit.

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

- A. interface Overlay200
otv join-interface Ethernet1/2
otv extend-vlan 178, 2500-2563
otv use-adjacency-server 20.1.1.1 unicast-only
- B. interface Overlay200
otv join-interface Ethernet1/2
otv extend-vlan 178, 2500-2563
otv adjacency-server unicast-only
- C. interface Overlay200
otv join-interface Ethernet1/2
otv extend-vlan 178, 2500-2563
- D. interface Overlay200
otv join-interface Ethernet1/2
otv extend-vlan 178, 2500-2563
otv use-adjacency-server 20.1.1.1 20.2.1.1 unicast-only

Correct Answer: D

Section:

QUESTION 16

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

- A. PaaS
- B. MaaS



- C. IaaS
- D. SaaS

Correct Answer: C

Section:

Explanation:

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

QUESTION 17

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 = 8192/10/00:00:00:00 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:c7:00:00:00 LLD P 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

Correct Answer: A

Section:

Explanation:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus3000/sw/interfaces/92x/bcisco-nexus-3000-nx-os-interfaces-configuration-guide-92x/b-cisco-nexus-3000-nx-os-interfacesconfiguration-guide-92x_chapter_0110.html

QUESTION 18

Refer to the exhibit.

```
restart pim
```

Which result of running the command is true?

- A. The PIM database is deleted.
- B. Multicast traffic forwarding is suspended.
- C. PIM join messages are suspended.
- D. MRIB is flushed

Correct Answer: A

Section:

Explanation:

When you restart PIM, the following tasks are performed: The PIM database is deleted. The MRIB and MFIB are unaffected and forwarding of traffic continues. The multicast route ownership is verified through the MRIB. Periodic PIM join and prune messages from neighbors are used to repopulate the database.

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/6-](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/6-x/multicast/configuration/guide/b_Cisco_Nexus_9000_Series_NXOS_Multicast_Routing_Configuration_Guide/b_Cisco_Nexus_9000_Series_NXOS_Multicast_Routing_Configuration_Guide_chapter_011.html)

[x/multicast/configuration/guide/b_Cisco_Nexus_9000_Series_NXOS_Multicast_Routing_Configuration_Guide/b_Cisco_Nexus_9000_Series_NXOS_Multicast_Routing_Configuration_Guide_chapter_011.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/6-x/multicast/configuration/guide/b_Cisco_Nexus_9000_Series_NXOS_Multicast_Routing_Configuration_Guide/b_Cisco_Nexus_9000_Series_NXOS_Multicast_Routing_Configuration_Guide_chapter_011.html)

QUESTION 19

An engineer must build a lab replica of a Cisco UCS production environment. The file must be imported into a new Cisco UCS cluster using a Cisco UCS manager GUI. The file must be in XML format and be exported from Cisco UCS

Manager using encrypted method. Which two configuration parameters should be selected to meet these requirements?. (Choose two.)

- A. Type: Logical configuration
- B. Protocol SCP
- C. Type Full state
- D. Protocol TFTP
- E. Type All configuration

Correct Answer: B, E

Section:

QUESTION 20

A new employee must be granted access to add VLANs into an existing Cisco UCS Manager and configure NTP synchronization with date and time zone settings. Which two privileges must be granted to the employee to complete the task?

(Choose two.)

- A. Service Profile Compute (Is-compute)
- B. Ext LAN Config (ext-lan-security)
- C. Service Profile Network Policy (Is-network-policy)
- D. Service Profile Config (Is-config)
- E. Ext LAN Policy (ext-lan-policy)

Correct Answer: B, E

Section:

Explanation:

https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/Reference-Docs/Privileges/4-1/b-UCSM-Privileges-4_1.pdfNTP can be configured only with EXT LAN Security.

VLAN can be added using the following privileges:

- Ext Lan Config (ext-lan-config)

- Ext Lan Policy (ext-lan-policy) service profiles will add VLANs to vNICs only if they are configured to UCS manager. So service profile is not valid solution.

QUESTION 21

A Cisco MDS 9000 Series Switch is configured for SAN Analytics and SAN Telemetry Streaming. An engineer must enable analytics for NVMe on interfaces in the range of fc1/1-12. Due to a large amount of traffic generated in the SAN environment, the data must be collected at regular intervals of 60 seconds from ports fc 1-12 and then for ports fc13-24 for the next 60 seconds. Ports in the range fc4/13-14 were already enabled for analytics. Which set of commands must be used to meet these requirements?

```
interface fc1/1-12
  port-sampling module 4 size 12 interval 60
  analytics nvme

interface fc1/1-12
  port-sampling module 4 size 12 interval 60000
  analytics type fc-scsi

analytics port-sampling module 4 size 12 interval 60000

interface fc1/1-12
  analytics fc-scsi
  analytics fc-nvme

analytics port-sampling module 4 size 12 interval 60

interface fc1/1-12
  analytics type fc-nvme
```

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

Correct Answer: D

Section:

Explanation:

Reference:

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

QUESTION 22

Refer to Exhibit:

```
n9k2# guestshell
[guestshell@guestshell ~]$ python
Python 2.7.5 (default, Jun 17 2014, 18:11:42)
[GCC 4.8.2 20140120 (Red Hat 4.8.2-16)] on linux2
Type "help", "copyright", "credits" or "license" for more information.
>>>
```

An engineer must use the python module in the guest shell of the Cisco Nexus 9000 Series switch to shutdown port Ethernet 1/4 Which command set will accomplish this?



```
from cli import *
cli("conf t")
cli("interface eth1/4")
cli("shutdown")

from cli import *
cli("conf t ; interface eth1/4 ; shut")

from cisco import cli
cli("conf t ; interface eth1/4")
cli("shutdown")

from cisco import cli
cli("conf t" ; "interface eth1/4" ; "shut")
```

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

Correct Answer: B

Section:

Explanation:



When two or more commands are run individually, the state is not persistent from one command to subsequent commands.

In the following example, the second command fails because the state from the first command does not persist for the second command:

```
>>> cli("conf t")
>>> cli("interface eth4/1")
```

When two or more commands are run together, the state is persistent from one command to subsequent commands.

In the following example, the second command is successful because the state persists for the second and third commands.

```
>>> cli("conf t ; interface eth4/1 ; shut")
```

Note Commands are separated with ";" as shown in the example. The semicolon (;) must be surrounded with single blank characters.

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/7-x/programmability/guide/b_Cisco_Nexus_9000_Series_NX-OS_Programmability_Guide_7x/Python_API.html
<https://www.ciscolive.com/c/dam/r/ciscolive/apjc/docs/2016/pdf/DEVNET-1077.pdf>

QUESTION 23

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

Correct Answer: D

Section:

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_CSeries-Integration_UCSM3-1/b_C-Series-Integration_UCSM3-1_chapter_010.html

QUESTION 24

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

Correct Answer: C

Section:

Explanation:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/7_3/release_notes/epld/epld_rm_7x.html

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.



QUESTION 25

APIC EPG Resolution Immediacy is set to “Immediate” Which statement is true about the Deployment Immediacy for VMM domains associated to EPGs?

- A. The “Immediate” and “On demand” options require a port group to be created on the VDS.
- B. If “On demand” is selected, the policy is programmed in the hardware only when the APIC detects a VM created in the EPG.
- C. If “On demand” is selected the policy is programmed in the hardware only when the first packet is received through the data path.
- D. If “immediate” is selected the policy is programmed in the hardware as soon as the leaf is booted.

Correct Answer: C

Section:

Explanation:

"Deployment Immediacy On demand — Specifies that the policy is programmed in the hardware policy CAM only when the first packet is received through the data path."

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/acidfundamentals/b_ACIFundamentals/b_ACIFundamentals_chapter_01011.html#concept_7A9DDA71E41543258E5B49B58BC5AE4F

QUESTION 26

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

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

Correct Answer: D

Section:

QUESTION 27

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

Correct Answer: C

Section:

Explanation:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/3-x/virtualization/b_ACI_Virtualization_Guide_3_0_1/b_ACI_Virtualization_Guide_3_0_1_chapter_0100.html

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".



QUESTION 28

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



- A. Option A
- B. Option B

- C. Option C
- D. Option D

Correct Answer: B

Section:

Explanation:

DETAILED STEPS

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



QUESTION 29

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

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

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

Correct Answer: C

Section:

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_0110.html“cipher-suite-mode secure” is invalid command.

“Cipher-suite-mode high” is valid command.

“tls-protocol tls1-2” is invalid command.

“Ssl-protocol tls1-2” is valid command.

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

QUESTION 30

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

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



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

Correct Answer: C

Section:

Explanation:

https://www.cisco.com/en/US/docs/unified_computing/ucs/sw/cli/config/guide/1.4.1/CLI_Config_Guide_1_4_1_chapter40.html

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

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

QUESTION 31

An engineer is configuring a backup operation on the existing Cisco UCS environment using a logical configuration. Which configuration is expected to be saved by using this backup type?

- A. systems

- B. roles
- C. service profiles
- D. servers

Correct Answer: C

Section:

Explanation:

- [Import Operations](#)
- [Restoring the Configuration for a Fabric Interconnect](#)

Backup and Export Configuration

When you perform a backup through Cisco UCS Manager, you take a snapshot of all or part of the system configuration and export the file to a location on your network. You cannot use Cisco UCS Manager to back up data on the servers.

You can perform a backup while the system is up and running. The backup operation only saves information from the management plane. It does not have any impact on the server or network traffic.

Backup Types

You can perform one or more of the following types of backups through Cisco UCS Manager:

- **Full state**—A binary file that includes a snapshot of the entire system. You can use the file generated from this backup to restore the system during disaster recovery. This file can restore or rebuild the configuration on the original fabric interconnect, or recreate the configuration on a different fabric interconnect. You cannot use this file for an import.
- **All configuration**—An XML file that includes all system and logical configuration settings. You can use the file generated from this backup to import these configuration settings to the original fabric interconnect or to a different fabric interconnect. You cannot use this file for a system restore.
- **System configuration**—An XML file that includes all system configuration settings such as usernames, roles, and locales. You can use the file generated from this backup to import these configuration settings to the original fabric interconnect or to a different fabric interconnect. You cannot use this file for a system restore.
- **Logical configuration**—An XML file that includes all logical configuration settings such as service profiles, VLANs, VSANs, pools, and policies. You can use the file generated from this backup to import these configuration settings to the original fabric interconnect or to a different fabric interconnect. You cannot use this file for a system restore.

Considerations and Recommendations for Backup Operations

https://www.cisco.com/en/US/docs/unified_computing/ucs/sw/gui/config/guide/141/UCSM_GUI_Configuration_Guide_141_chapter43.html

QUESTION 32

Which two components should be checked when a Cisco Nexus 9000 Series Switch fails to boot using POAP? (Choose two.)

- A. image noted in the script file against switch bootflash
- B. DHCP server to bootstrap IP information
- C. script signed with security key
- D. TFTP server that contains the configuration script
- E. POAP feature license

Correct Answer: B, D

Section:

Explanation:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/7-x/troubleshooting/guide/b_Cisco_Nexus_9000_Series_NXOS_Troubleshooting_Guide_7x/b_Cisco_Nexus_9000_Series_NXOS_Troubleshooting_Guide_7x_chapter_01100.html

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/7-x/fundamentals/configuration/guide/b_Cisco_Nexus_9000_Series_NX-](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/7-x/fundamentals/configuration/guide/b_Cisco_Nexus_9000_Series_NX-OS_Fundamentals_Configuration_Guide_7x/b_Cisco_Nexus_9000_Series_NX-OS_Fundamentals_Configuration_Guide_7x_chapter_01100.html)

[OS_Fundamentals_Configuration_Guide_7x/b_Cisco_Nexus_9000_Series_NX-OS_Fundamentals_Configuration_Guide_7x_chapter_01100.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/7-x/fundamentals/configuration/guide/b_Cisco_Nexus_9000_Series_NX-OS_Fundamentals_Configuration_Guide_7x/b_Cisco_Nexus_9000_Series_NX-OS_Fundamentals_Configuration_Guide_7x_chapter_01100.html)

QUESTION 33

Which two firmware packages are included in the Cisco UCS C-Series Rack-Mount UCS-Managed Server Software bundle? (Choose two.)

- A. system
- B. third-party
- C. PSU
- D. CIMC
- E. BIOS

Correct Answer: D, E

Section:

Explanation:

https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/Firmware-Mgmt/4-0/b_UCSM_GUI_Firmware_Management_Guide_4-0/b_UCSM_GUI_Firmware_Management_Guide_4-0_chapter_0100.html



QUESTION 34

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



Correct Answer: B, C

Section:

Explanation:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/6-x/system_management/configuration/guide/b_Cisco_Nexus_9000_Series_NXOS_System_Management_Configuration_Guide/sm_7sessionmgr.html

Verifying a Session

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

Command	Purpose
verify [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
commit [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/CLIConfigurationGuide/sm_rollback.html

QUESTION 35

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.

Correct Answer: C, E

Section:

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_01111.html

QUESTION 36

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.

Correct Answer: A

Section:

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

QUESTION 37

An engineer creates a service profile in Cisco UCS Manager and must assign a policy that reboots blades when changes are applied. The changes must be applied only after user acknowledgment. Which two policies must be configured to meet these requirements? (Choose two.)

- A. Boot Policy
- B. Global Policy
- C. Power Control Policy
- D. Maintenance Policy
- E. Reboot Policy

Correct Answer: D, E

Section:

Explanation:

https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/Admin-Management/3-1/b_Cisco_UCS_Admin_Mgmt_Guide_3_1/b_Cisco_UCS_Admin_Mgmt_Guide_3_1_chapter_01011.html



Maintenance Policy

The maintenance policy specifies how devices the service profile changes. The deployment can occur in one of the following ways:

- Immediately
- When acknowledged by a user with administrator privileges
- Automatically at the time specified in a schedule
- On the next reboot or shutdown without waiting for the user acknowledgment or the timer scheduling option

Reboot Policy field

When a service profile is associated with a server, or when changes are made to a service profile that is already associated with a server, you must reboot the server to complete the process. The **Reboot Policy** field determines when the reboot occurs for servers associated with any service profiles that include this maintenance policy. This can be one of the following:

- **Immediate**—The server reboots automatically as soon as the service profile association is complete or when you save service profile changes.
- **User Ack**—You must explicitly acknowledge the pending changes for the changes made to the service profile to be applied to the associated server.
- **Timer Automatic**—Cisco UCS defers all service profile associations and changes until the maintenance window defined by the schedule shown in the **Schedule** field.
- **On Next Boot**—This option is used in combination with either **User Ack** or **Timer Automatic**. When the **On Next Boot** option is enabled, the host OS reboots, shutdown, and reset, or power reset and shutdown also triggers the associated FSM to apply the changes waiting for the **User Ack** or the **Timer Automatic** maintenance window.

Note De-selecting the **On Next Boot** option disables the Maintenance Policy on the BMC.

QUESTION 38

A customer data center is configured for distribution of user roles, call home, and NTP. The data center was split into two geographically separate locations called DC1 and DC2. The requirement is for the user role configurations to be distributed in DC1 and for NTP and call home features to be constrained to DC2. Which two configuration sets must be used to meet these requirements?

- A. On Data Center 1
configure terminal
cfs 1
roles
aaa
- B. On Data Center 1
configure terminal
cfs region 1
ntp
callhome
- C. On Data Center 1
configure terminal
cfs 1
ntp
callhome
- D. On Data Center 2
configure terminal
cfs region 2
roles
- E. On Data Center 2
configure terminal
cfs 2
roles
aaa

(Choose two.)

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



Correct Answer: C, D

Section:

Explanation:

This example shows how to move the Call Home application to CFS region 2:

```
switch# config t
switch(config)# cfs region 2
switch(config-cfs-region)# callhome
switch(config-cfs-region)# show cfs region name callhome
```

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/4_2/nx-os/system_management/configuration/guide/sm_nx_os_cli/sm_2cfs.html

QUESTION 39

Refer to the exhibit.

```

NEXUS# configure terminal
NEXUS# incobot-led fex 100
NEXUS(config)# feature fex
NEXUS(config)# fex 100
NEXUS(config-fex)# type N2232TM
NEXUS(config-fex)# serial JAF14270Q6G
NEXUS(config)# interface ethernet 1/24-32
NEXUS(config-if)# switchport
NEXUS(config-if)# switchport mode fex-fabric
NEXUS(config-if)# fex associate 100
NEXUS(config-if)# no shutdown

NEXUS# show fex 100 detail
FEX: 100 Description: FEX0100 state: Online
  FEX Version: 5.0(2)N1(1) [Switch version: 5.0(2)N1(1)]
  FEX Interim version: 5.0(2)N1(0.205)
  Switch Interim version: 5.0(2)N1(0.205)
  Extender Model: N2K-C2232TM, Extender Serial: JAF14270Q6G
  Part No: 73-13373-01
  Card Id: 132, Mac Addr: 68:ef:bd:62:2a:42, Num Macs: 64
  Module Sw Gen: 21 [Switch Sw Gen: 21]
  post level: complete
  pinning-mode: static Max-links: 1
  Fabric port for control traffic: Eth1/29
  Fabric interface state:
    Eth1/25 - Interface Up, State: Active
    Eth1/26 - Interface Up, State: Active
    Eth1/27 - Interface Up, State: Active
    Eth1/28 - Interface Up, State: Active
    Eth1/29 - Interface Up, State: Active
    Eth1/30 - Interface Up, State: Active
    Eth1/31 - Interface Up, State: Active
    Eth1/32 - Interface Up, State: Active
```



An engineer must distribute all the host ports to use all eight configured FEX uplinks. The solution must minimize disruption if an uplink fails Which action accomplishes this objective?

- A. Set the pinning max-links value to 8
- B. Statically assign each host interface to a fabric uplink
- C. Change the supported FEX type
- D. Configure the eight uplinks in a port channel

Correct Answer: D

Section:

Explanation:

Traffic disruption should be minimised when an uplink fails. If pinning was used and an uplink failed, then traffic associated with the failed link would be disrupted until it could be re-routed. Using a port-channel is much less disruptive.

QUESTION 40

A customer has a requirement for an automation solution that supports periodically acquiring configuration from a centralized server and aligning UCS servers to their desired state. Which opensource tool meets these requirements?

- A. SaltStack
- B. Terraform
- C. Puppet
- D. Kubemetes

Correct Answer: C

Section:

Explanation:

"Overview of Puppet architecture: [...] After it receives a catalog, the Puppet agent applies the catalog by checking each resource that the catalog describes. If it finds any resources that are not in their desired state, it makes any changes necessary to correct them."

https://www.cisco.com/c/dam/en/us/products/collateral/servers-unified-computing/ucs-c-seriesrackservers/whitepaper_c11-740103.pdf

<https://www.cisco.com/c/dam/en/us/products/collateral/servers-unified-computing/ucs-devopsintegration-sol-brief.pdf> from DCCOR book under Puppet section The operation of the Puppet agent involves periodically connecting to the Puppet master, which in turn compiles and sends a configuration manifest to the agent. The agent reconciles this manifest with the current state of the node and updates state that is based on differences.

QUESTION 41

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

(Choose two.)

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

Correct Answer: A, D

Section:

Explanation:



Find Matches in This Book

Step 3 On the **Configure LDAP** page, add the corresponding details in the fields that are listed below, and click **Save**.

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

Attention

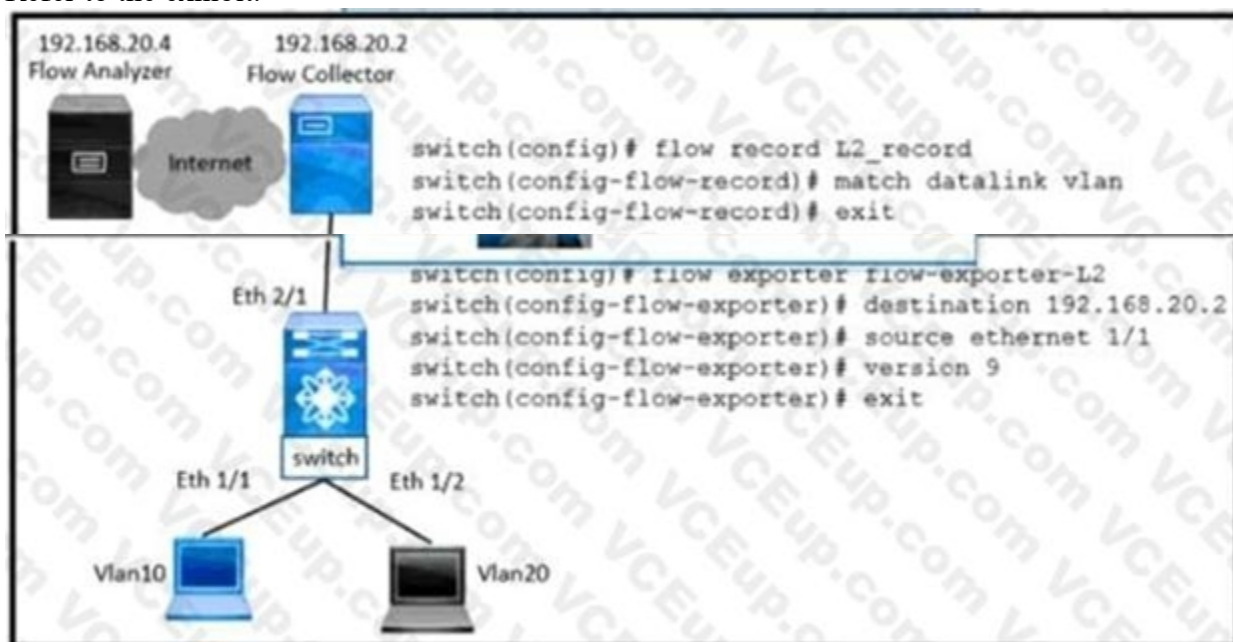
- LDAPS is supported on Port 636 and Port 3269. All other ports support LDAP on TLS.
- Cisco Intersight Virtual Appliance uses the email ID or username to log in an LDAP user. If you want to use email ID to log in to the appliance, configure the mail attribute in the LDAP server. If you want to use the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



https://www.cisco.com/c/en/us/td/docs/unified_computing/Intersight/b_Cisco_Intersight_Appliance_Getting_Started_Guide/b_Cisco_Intersight_Appliance_Install_and_Upgrade_Guide_chapter_0110.html

QUESTION 42

Refer to the exhibit.



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

```

switch(config)# flow timeout 30000
switch(config)# interface ethernet 1/1
switch(config-if)# switchport
switch(config-if)# switchport access vlan 10
switch(config-if)# ip flow monitor L2_monitor output

switch(config)# flow timeout 30
switch(config)# interface ethernet 1/1
switch(config-if)# switchport
switch(config-if)# switchport access vlan 10
switch(config-if)# mac packet-classify
switch(config-if)# layer2-switched flow monitor L2_monitor input

switch(config)# interface ethernet 1/1
switch(config-if)# flow timeout 30
switch(config-if)# switchport access vlan 10
switch(config-if)# mac packet-classify
switch(config-if)# ip flow monitor L2_monitor input

switch(config)# interface ethernet 1/1
switch(config)# flow timeout 30000
switch(config-if)# switchport
switch(config-if)# layer2-switched flow monitor L2_monitor output
switch(config-if)# switchport access vlan 10

```

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

Correct Answer: B

Section:

Explanation:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/7-x/system_management/configuration/guide/b_Cisco_Nexus_9000_Series_NXOS_System_Management_Configuration_Guide_7x/b_Cisco_Nexus_9000_Series_NXOS_System_Management_Configuration_Guide_7x_chapter_011100.html

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/4_2/nxos/system_management/configuration/guide/sm_nx_os_cli/sm_15netflow.html

QUESTION 43

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.

Correct Answer: A, C

Section:

Explanation:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/6_x/nxos/security/configuration/guide/b_Cisco_Nexus_7000_NXOS_Security_Configuration_Guide__Release_6-x/b_Cisco_Nexus_7000_NXOS_Security_Configuration_Guide__Release_6-x_chapter_010001.html



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.

QUESTION 44

A network engineer repeatedly saves a configuration on Catalyst switches to NVRAM using the write memory command. What action should be taken to implement the same action on Nexus switches?

- A. Use the write memory command to save the configuration.
- B. Use the alias command to use the write memory command.
- C. Use the exit command to leave the configuration mode and save the configuration automatically.
- D. Use the wri command to use the copy running-config startup-config command.

Correct Answer: B

Section:

Explanation:

Reference:

<https://community.cisco.com/t5/switching/write-command-on-nexus-switches/td-p/1958386>

QUESTION 45

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",
        }
      }
    }
  ]
}
```

The logo for Vdumps.com, featuring a stylized orange 'V' followed by the word 'dumps' in a grey sans-serif font.

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

Correct Answer: C

Section:

QUESTION 46

Refer to the exhibit.

```

switch# show radius-server
Global RADIUS shared secret:*****
retransmission count:5
timeout value:10
following RADIUS servers are configured:
  myradius.cisco.com:
    available for authentication on port:1812
    available for accounting on port:1813
  172.22.91.17:
    available for authentication on port:1812
    available for accounting on port:1813
    RADIUS shared secret:*****
  10.10.0.0:
    available for authentication on port:1812
    available for accounting on port:1813
    RADIUS shared secret:*****

switch# show radius-server groups
Total number of groups:4
following RADIUS server groups are configured:
group radius:
  server: all configured radius servers
group Group1:
  server: Server3 on auth-port 1812, acct-port 1813
  server: Server3 on auth-port 1812, acct-port 1813
group Group2:

```

A network engineer requires remote access via SSH to a Cisco MDS 9000 Series Switch. The solution must support secure access using the local user database when the RADIUS servers are unreachable from the switches. Which command meets these requirements?

- A. aaa authentication none
- B. aaa authentication login default group radius
- C. aaa authentication login default group local
- D. aaa authentication login default fallback error local

Correct Answer: D

Section:

Explanation:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/6_2/configuration/guides/security/nx-os/sec_cli_6-x/cradtac1.html

Configuring Fallback Mechanism for Authentication

You can enable/disable fallback to local database in case the remote authentication is set and all AAA servers are unreachable (authentication error). The fallback is set to local by default in case of an authentication error. You can disable this fallback for both console and ssh/telet login. Disabling this fallback will tighten the security of authentication.

The following steps explain the fallback mechanism for authentication:

Step 1 By default fallback will be enabled for both default/console login. The "sh run aaa all" command can be used to verify this.

Step 2 Disabling fallback will print a warning message.

The CLI syntax and behavior is as follows:

Command	Purpose
Step 1 switch# conf t switch(config)#	Enters configuration mode.
Step 2 switch(config)# show run aaa all aaa authentication login default fallback error local aaa authentication login console fallback error local	Displays the default fallback behavior.
Step 3 switch(config)# no aaa authentication login default fallback error local WARNING!!! Disabling fallback can lock your switch.	Disables the fallback to local database for authentication. Note Replace default with console in this command to disable fallback to console.

QUESTION 47

The Cisco Nexus switch Generic Online Diagnostics policy for a PortLoopback test requires 10 consecutive failures to error disable the port. The customer wants to change it to 5 consecutive failures. Which configuration applies the changes for module 1 only?

```
Nexus(config)# event manager applet custom-PortLoopback override __PortLoopback
Nexus(config-applet)# event gold mod all test PortLoopback testing-type bootup consecutive-failure 5
Nexus(config-applet)# action 1 publish-event

Nexus(config)# event manager applet custom-PortLoopback override __PortLoopback
Nexus(config-applet)# event gold mod 1test PortLoopback testing-type bootup consecutive-failure 5
Nexus(config-applet)# action 1 publish-event

Nexus(config)# event manager applet custom-PortLoopback override __PortLoopback
Nexus(config-applet)# event gold mod 1 test PortLoopback testing-type monitoring consecutive-failure 5
Nexus(config-applet)# action 1 policy-default

Nexus(config)# event manager applet custom-PortLoopback override __PortLoopback
Nexus(config-applet)# event gold mod 1 test PortLoopback testing-type monitoring consecutive-failure 5
Nexus(config-applet)# action 1 policy-default
```

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

Correct Answer: D

Section:

Explanation:

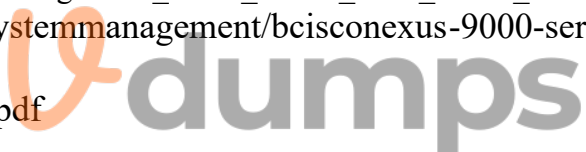
“mod all” is incorrect. “mod 1test” is incorrect. “publish event” is incorrect.

“mod 1 test” is correct. It is with “policy-default”.

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus7000/sw/systemmanagement/guide/b_Cisco_Nexus_7000_Series_NX-OS_System_Management_Configuration_Guide-RI/configuring_online_diagnostics.html

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/93x/systemmanagement/bcisconexus-9000-series-nx-os-system-management-configuration-guide-93x/b-cisco-nexus-9000-seriesnxos-system-management-configuration-guide-93x_chapter_011010.html

<https://www.ciscolive.com/c/dam/r/ciscolive/us/docs/2017/pdf/BRKDCN-3234.pdf>



QUESTION 48

An engineer must start a software upgrade on a Cisco Nexus 5000 Series Switch during a zone merge.

What is the result of this action?

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

Correct Answer: C

Section:

Explanation:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5500/sw/upgrade/602_N2_2/n5500_upgrade_downgrade_602_n2_2.html

QUESTION 49

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

```
feature hsrp
interface vlan100
ip address 10.1.1.2 255.255.255.0
priority 120
hsrp version 2
hsrp 1000
ip 10.1.1.1

feature hsrp
interface vlan100
ip address 10.1.1.2 255.255.255.0
priority 100
hsrp version 2
hsrp 1000
ip 10.1.1.1

feature-set hsrp
interface vlan100
ip address 10.1.1.2 255.255.255.0
priority 110
hsrp version 2
hsrp 1000
ip 10.1.1.1

feature-set hsrp
interface vlan100
ip address 10.1.1.2 255.255.255.0
priority 80
hsrp version 2
hsrp 1000
ip 10.1.1.1
```



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

Correct Answer: A

Section:

Explanation:

Reference:

<https://www.google.com/search?q=hsrp+priority&oq=hsrp+priority&aqs=chrome..69i57j0l2j0i20i263i395j0i39516.5307j1j4&sourceid=chrome&ie=UTF-8>

QUESTION 50

An engineer is configuring a vHBA template in UCS Manager. The engineer needs to specify the logical addresses used by the vHBA and the path through which the SAN traffic flows. Which two resources must be specified in the vHBA template? (Choose two.)

- A. MAC addresses
- B. WWPNPool
- C. WWNN
- D. VLAN ID
- E. Fabric ID

Correct Answer: B, E

Section:

Explanation:

vNIC and vHBA Templates
vNIC and vHBA resources are always associated with specific Fis (A-side or B-side fabric interconnect). A typical Service Profile has at least two vNICs and two vHBAs: one bound to each side. vNIC (or vHBA) templates can be used to encapsulate both the MAC address pool (or WWPN pool) association as well as the fabric ID.
Best Practice: vNIC and vHBA Templates
Create reusable vNIC and vHBA templates in which termination is either reflected in the name (e.g., "fc0-A") or through well-accepted conventions (e.g., even interface to A side, and odd interface to B side).
vNIC templates should be thought of as application-specific network profiles that include important security definitions, such as VLAN mappings, as shown in Figure 6.

https://www.cisco.com/c/en/us/products/collateral/servers-unified-computing/ucsmanager/whitepaper_c11-697337.html

QUESTION 51

Which data structure results from running this Python code?

```
>>> import json
>>> f = open('fname.json', 'r')
>>> var1 = json.load(f)
>>> var1
{'bd': u'bd1', 'ap': {'eggs': [{'name': u'app'}, {'name': u'web'}, {'name': u'db'}], 'name': u'OnlineStore'}, 'pv': u'pv1'}
```

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

Correct Answer: A

Section:



QUESTION 52

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

```
interface Ethernet 1/3
switchport monitor rate-limit 1G
monitor session 2
destination interface ethernet 1/5
source interface Eth 1/3

interface Ethernet 1/3 rx
switchport mode SD
switchport monitor rate-limit 1G
monitor session2
destination interface ethernet 1/5

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

interface Ethernet 1/5
monitor session 2
destination interface tx

interface Ethernet 1/3
monitor session 2
destination interface ethernet 1/5
source interface rx

interface Ethernet 1/5
monitor rate-limit 1G
```

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

Correct Answer: A

Section:

Explanation:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5600/sw/system_management/7x/b_5600_System_Mgmt_Config_7x/configuring_span.html

QUESTION 53

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

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

Correct Answer: C, D

Section:

Explanation:



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

Example

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

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

Configuring Source Ports

Procedure

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

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

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/operations/n5k_fcoe_ops.html

QUESTION 54

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

Correct Answer: D

Section:

Explanation:

https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/Admin-Management/3-1/b_Cisco_UCS_Admin_Mgmt_Guide_3_1/b_Cisco_UCS_Admin_Mgmt_Guide_3_1_chapter_0110.html

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

QUESTION 55

An environment consists of a Cisco MDS 9000 Series Switch that uses port channels. An engineer must ensure that frames between the source and the destination follow the same links for a specific flow. Subsequent flows are allowed to use a different link. Which load balancing method should be used to accomplish this goal?

- A. src-id/dst-id

- B. src-dst-oui
- C. src-dst-port
- D. src-id/dst-id/oxid

Correct Answer: D

Section:

Explanation:

Exchange based—The first frame in an exchange picks a link and subsequent frames in the exchange follow the same link. However, subsequent exchanges can use a different link. This provides more granular load balancing while preserving the order of frames for each exchange. Source:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/5_0/configuration/guides/int/nxos/cli_interfaces/pc.html Load balancing attributes indicate the use of the source-destinationID (src-dst-id) or the originator exchange OX ID (src-dst-ox-id, the default) for load balancing pathselection. Source:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/6_2/configuration/guides/fabric/nx-os/nx_os_fabric/vsan.html?bookSearch=true

https://www.cisco.com/en/US/docs/storage/san_switches/mds9000/sw/rel_1_x/1_3/sanos/configuration/guide/PortChnl.pdf

QUESTION 56

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

which orchestration solution meets these requirements?

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

Correct Answer: D

Section:

QUESTION 57

Which configuration generates a syslog message when CPU utilization is higher than 60%?

- A. event manager applet HIGH-CPU event snmp oid 1.3.6.1.4.1.9.9.109.1.1.1.1.6.1 get-type exact entry-op gt 60 poll-interval 5 action 1.0 syslog priority notifications msg "cpu high"
- B. event manager applet HIGH-CPU event snmp oid 1.3.6.1.4.1.9.9.109.1.1.1.1.6.1 get-type exact entry-op lt 60 poll-interval 5 action 1.0 syslog priority notifications msg "cpu high"
- C. event manager applet HIGH-CPU event snmp oid 1.3.6.1.4.1.9.9.109.1.1.1.1.6.1 get-type next entry-op gt 60 poll-interval 5 action 1.0 syslog priority notifications msg "cpu high"
- D. event manager applet HIGH-CPU event snmp oid 1.3.6.1.4.1.9.9.109.1.1.1.1.6.1 get-type next entry-op lt 60 poll-interval 5 action 1.0 syslog priority notifications msg "cpu high"

Correct Answer: A

Section:

Explanation:

<https://www.cisco.com/c/en/us/support/docs/ip/internet-protocol-ip/200931-EEM-Subsystem-in-Order-to-Monitor-CPU-Tr.pdf>

<https://blog.ipSPACE.net/2008/06/generate-snmp-trap-on-high-cpu-load.html>

QUESTION 58

Host 1 is in VLAN 100 located is DataCenter 1 and Host2 is in VLAN200 located in DataCenter2. Which OTV VLAN mapping configuration allows Layer 2 connectivity between these two hosts?



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

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

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

DC2:
interface Overlay1
otv extend-vlan 200

C. DC1:
interface Overlay1
otv extend-vlan 100

DC2:
interface Overlay2
otv extend-vlan 200

D. DC1:
interface Overlay1
otv extend-vlan 100

DC2:
interface Overlay1
otv extend-vlan 200



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

Correct Answer: B

Section:

Explanation:

<https://www.cisco.com/c/en/us/support/docs/switches/nexus-7000-series-switches/200998-Nexus-7000-OTV-VLAN-Mapping-on-Overlay.html?dtid=ossdc000283>

<https://www.cisco.com/c/en/us/support/docs/switches/nexus-7000-series-switches/200998-Nexus-7000-OTV-VLAN-Mapping-on-Overlay.html>

QUESTION 59

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

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

Correct Answer: D

Section:

Explanation:

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

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/Operating_ACI/guide/b_Cisco_Operating_ACI/b_Cisco_Operating_ACI_chapter_01000.html Reverse filter and apply in both directions is default.

If a filter allows traffic from any consumer port to a provider port (e.g. 8888), if reverse port filtering is enabled and the contract is applied both directions (say for TCP traffic), either the consumer or the provider can initiate communication.

The provider could open up a TCP socket to the consumer using port 8888, whether the provider or consumer sent traffic first.

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/Operating_ACI/guide/b_Cisco_Operating_ACI/b_Cisco_Operating_ACI_chapter_01000.html

QUESTION 60

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

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

Correct Answer: C

Section:

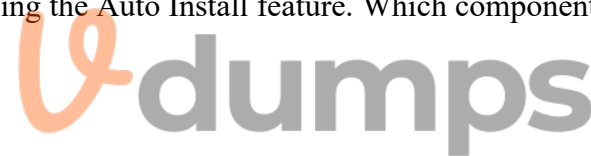
Explanation:

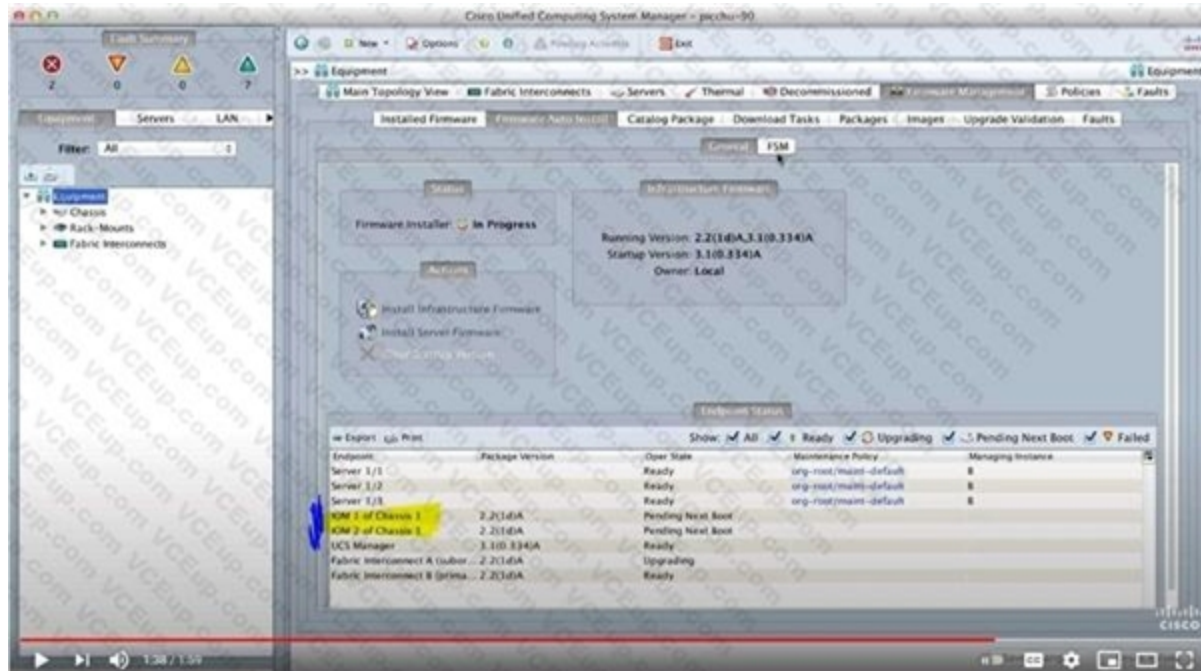
https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/Firmware-Mgmt/4-0/b_UCSM_GUI_Firmware_Management_Guide_4-0/b_UCSM_GUI_Firmware_Management_Guide_4-0_chapter_0100.html

<https://www.youtube.com/watch?v=g-4OgYigvRI>

Direct Upgrade After Auto Install

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

Vdumps



QUESTION 61

What is required for using puppet in a Cisco NX-OS environment?

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

Correct Answer: A

Section:

QUESTION 62

An engineer is enabling port security on a Cisco MDS 9000 Series Switch. Which feature of enabling port security on a Cisco MDS 9000 Series Switch must be considered?

- A. It always learns about switches that are logging in.
- B. It can be distributed by using Cisco Fabric services.
- C. It authorizes only the configured sWWN to participate in the fabric.
- D. It binds the fabric at the switch level.

Correct Answer: B

Section:

Explanation:

Port Security Configuration Distribution

The port security feature uses the Cisco Fabric Services (CFS) infrastructure to enable efficient database management, provide a single point of configuration for the entire fabric in the VSAN, and enforce the port security policies throughout the fabric.

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/6_2/configuration/guides/security/nx-os/sec_cli_6-x/psec.html#92130

QUESTION 63



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

Correct Answer: D

Section:

Explanation:

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

QUESTION 64

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

Correct Answer: B

Section:

Explanation:

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/7-x/upgrade/guide/b_Cisco_Nexus_9000_Series_NX-](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)

[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_NXOS_Software_Upgrade_and_Downgrade_Guide_Release_7x_chapter_010.html)install all command automatically checks the image integrity, which includes the NXOS softwareimage. 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_Series_NX_OS_Software_Upgrade_and_Downgrade_Release_7_x/b_Cisco_Nexus_3000_Series_NX_OS_Software_Upgrade_and_Downgrade_Release_7_x_newGuide_chapter_01.html

QUESTION 65

An engineer is using REST API calls to configure the cisco APIC. Which data structure must be used within a post message to receive a login token?

A.

```
{aaaUser:{attributes:{name: apluser, pwd:cisco123}}}
```

B.

```
<aaaUser><name="apluser"/><pwd="cisco123"/></aaaUser>
```

C.

```
{"aaaUser":{"attributes":{"name":"apluser","pwd":"cisco123"}}}
```

D.


```
<aaaUser><name>apluser</name><pwd>cisco123</pwd></aaaUser>
```

Correct Answer: C

Section:

Explanation:

- **aaaListDomains** –Sent as a GET message, this method returns a list of valid AAA login domains. You can send this message without logging in.

You can call the authentication methods using this syntax, specifying either JSON or XML data structures:

```
{ http | https } :// host [:port] /api/ methodName . { json | xml }
```

This example shows a user login message that uses a JSON data structure:

```
POST https://apic-ip-address/api/aaaLogin.json
```

```
{  
  "aaaUser" : {  
    "attributes" : {  
      "name" : "georgewa",  
      "pwd" : "paSSword1"  
    }  
  }  
}
```

Vdumps

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/2-x/rest_cfg/2_1_x/b_Cisco_APIC_REST_API_Configuration_Guide/b_Cisco_APIC_REST_API_Configuration_Guide_chapter_01.html

QUESTION 66

The EPLD update of the supervisor module has been scheduled for several cisco MDS 9000 switches. What will be the impact of the update?

- All control plane traffic is stopped for the duration of the EPLD update and the switch remain operational for the duration of the upgrade.
- The redundant supervisor takes over while the EPLD update is in progress and there is no service disruption.
- All traffic is stopped for the duration of the EPLD update and the switch is rebooted after the upgrade is completed.
- The redundant supervisor takes over while the EPLD update is in progress and the switch is rebooted after the upgrade is completed.

Correct Answer: C

Section:

Explanation:

An EPLD update of the supervisor module of fabric switches (Cisco MDS 9100, Cisco MDS 9200, and Cisco MDS 9300 Series switches) is disruptive since there is no redundant supervisor to take over while the update is in progress. All traffic through the system is stopped for the duration of the update and the switch is rebooted after the upgrade has completed. The update may take up to 30 minutes to complete.

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/6_2/release/notes/epld/epld_rn.html#pgfId-241683

QUESTION 67

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

targets:

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

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

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

Correct Answer: A

Section:

QUESTION 68

What is an advantage of NFSv4 over Fibre Channel protocol?

- A. Improved security
- B. Lossless throughout
- C. Congestion management
- D. Uses IP transport

Correct Answer: A

Section:

Explanation:

<https://www.rcannings.com/san-storage-fc-vs-fcoe-vs-iscsi/>

QUESTION 69

Which two configuration settings are available in the in the cisco UCS flmware Auto sync server policy?

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

Correct Answer: B, C

Section:

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_01111.pdfFollowing are the values for the Firmware Auto Sync

Server policy: • User Acknowledge—Firmware on the server is not synchronized until the administrator acknowledges the upgrade in the PendingActivities dialog box. • No Action—No firmware upgrade is initiated on the server.



QUESTION 70

An administrator is implementing DCNM so that events are triggered when monitored traffic exceeds the configured present utilization threshold. The requirement is to configure a maximum limit of 39860437 bytes that applies directly to the statistics collected as a ratio of the total link capacity.

Which DCNM performance monitoring configuration parameter must be implemented to achieve this result?

- A. Absolution Values
- B. Baseline
- C. Util%
- D. Per port Monitoring

Correct Answer: A

Section:

QUESTION 71

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)

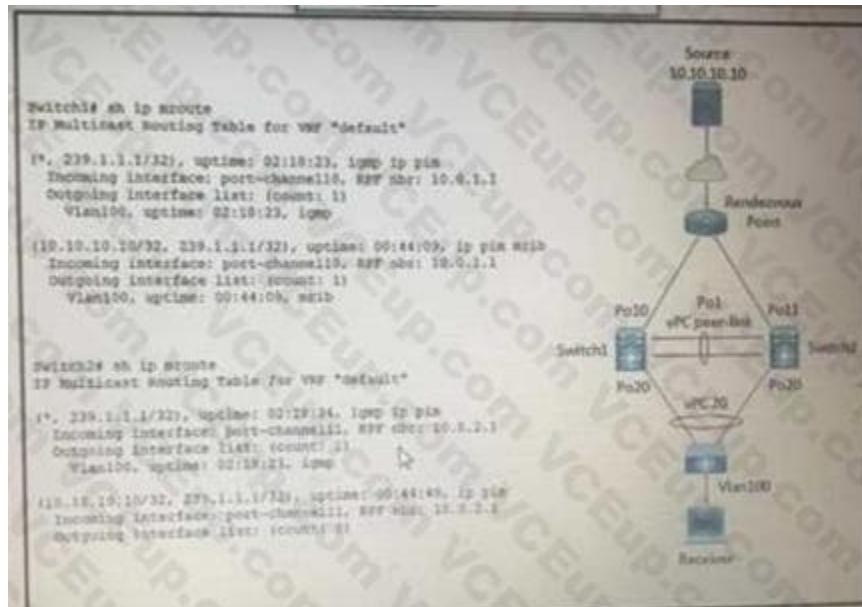
- A. Configure all links on AREA 0.
- B. Implement a virtual link between the switches.
- C. Use OSPF point-to-point links only.
- D. Set low OSPF hello and DEAD timers.
- E. Enable BFD for failure detection.

Correct Answer: C, D

Section:

QUESTION 72

Refer to the exhibit.



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

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



D. If multicast traffic is received on Switch over the vPC peer-link, the traffic is dropped.

Correct Answer: C

Section:

Explanation:

<https://www.cisco.com/c/en/us/support/docs/ip/multicast/214140-multicast-forwarding-in-vcpcbased-on-loc.html#anc8>

QUESTION 73

An engineer configured an environment that contains the vPC and non-vPC switches. However, it was noticed that the downstream non-vPC switches do not receive the upstream vPC switch peers. Which vPC feature must be implemented to ensure that vPC and non-vPC switches receive same STP bridge ID from the upstream vPC switch peers?

- A. System-mac 0123.4567.89ab
- B. Peer-switch
- C. VPC local role-priority 4000
- D. Peer-gateway

Correct Answer: B

Section:

Explanation:

Peer-Switch feature allows the vPC peers use the same STP root ID as well as the same bridge ID.

Reference:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/6-x/interfaces/configuration/guide/b_Cisco_Nexus_9000_Series_NXOS_Interfaces_Configuration_Guide/b_Cisco_Nexus_9000_Series_NXOS_Interfaces_Configuration_Guide_chapter_0111.html

QUESTION 74

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

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

Correct Answer: B

Section:

QUESTION 75

Refer to the exhibit.



Refer to the exhibit. Esxi-server is associated to the blade server. A VLAN added to trunka. the VLAN is missing on the vNIC of ESXI-server. Which action should be taken to add the VLAN to the cNIC?

- A. Change the template type of ESXI-Server to an updating template.
- B. Change the template type of Trunk-A to an updating template.
- C. Remove both template and recreate them as updating templates.
- D. Remove the VLAN from the Trunk-A template and add the VLAN again.



Correct Answer: D

Section:

QUESTION 76

An engineer must implement an automation solution to allow the backup of the configuration of cisco Nexus series switches to a centralized location. The solution must:

- * Support the team-developed custom monitoring scripts that are packaged using RPM packaging that the framework must support.
- * Be developed from the underlying cisco Nexus operating system.
- * Have no impact on the operating system of the underlying switch if the resource contention occurs.
- * Use Python to expand the existing automation framework.

Which solution meets these requirements?

- A. Guest Shell
- B. Bash Shell
- C. TCL Shell
- D. Vegas Shell

Correct Answer: A

Section:

QUESTION 77

Refer to the exhibit.

```
import time
import os

date= time.strftime('%Y%m%d')
file= ('fusion-config_') + date
all.execute ('copy running-config ftp://10.183.249.182/fusion249/' + file)
exit()
```

Refer to the exhibit. What is the result of executing this python code?

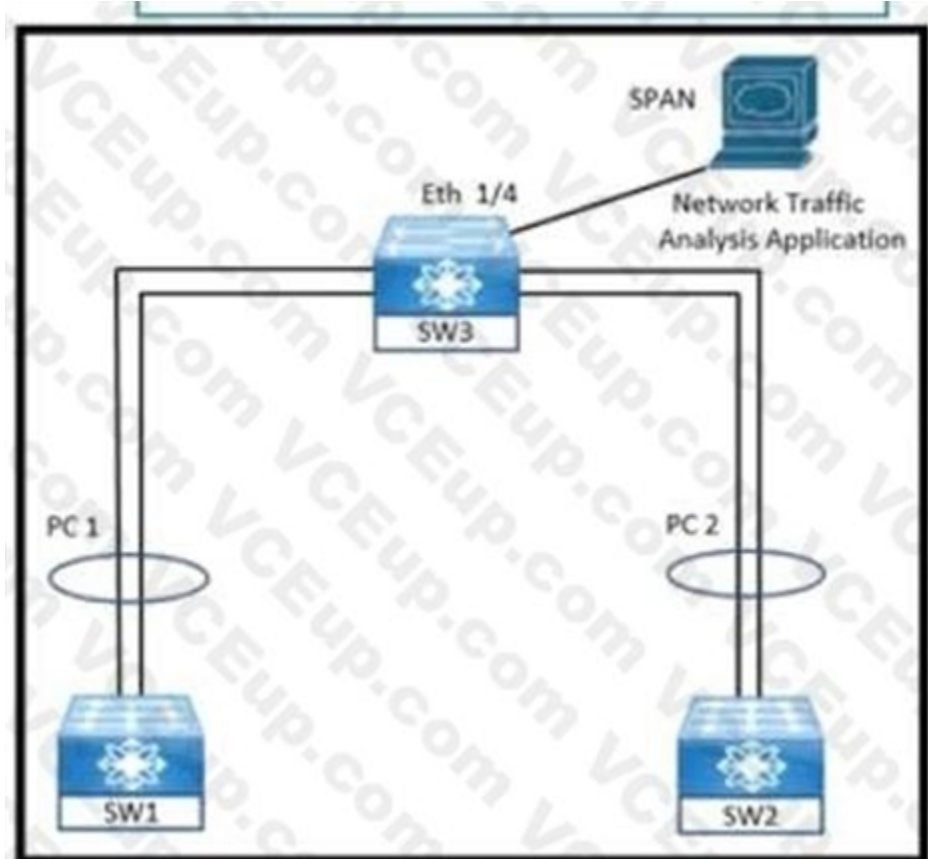
- A. It backs up Cisco switches to Cisco Prime infrastructure.
- B. It sends the switch configuration to Cisco TAC.
- C. It sends a Cisco device backup to a remote destination.
- D. It schedules a backup on a Cisco switch using EEM.

Correct Answer: C

Section:

QUESTION 78

Refer to the exhibit.



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
```

Correct Answer: D

Section:

QUESTION 79

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

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



Correct Answer: D

Section:

Explanation:

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

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/3-x/virtualization/b_ACI_Virtualization_Guide_3_1_1/b_ACI_Virtualization_Guide_3_1_1_chapter_0100.html

QUESTION 80

An engineer is configuring a vHBA template in Cisco UCS Manager. The engineer needs to specify the logical addresses used by the vHBA and the path through which the SAU Traffic flows. Which two resources must be specified in the vHBA template? (Choose two)

- A. WWIN
- B. VLAN ID
- C. Fabric ID
- D. MAC addresses
- E. WWVPN Pool

Correct Answer: A, E

Section:

QUESTION 81

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

A.

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

B.

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

C.

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

D.


```

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

```

Correct Answer: C

Section:

QUESTION 82

Which virtual MAC address is the default for HSRP version 2 group 10?

- A. 0000.5E00.0110
- B. 0000.0C9F.F00A
- C. 3716.1350.1C0A
- D. 0000.0C9F.F010

Correct Answer: B

Section:

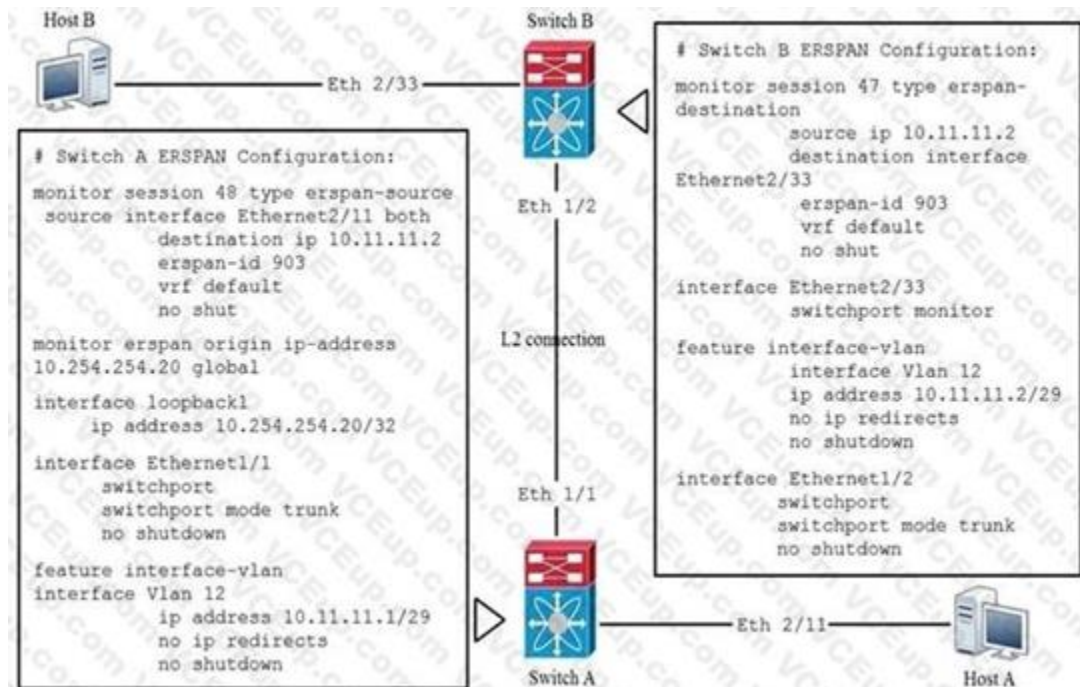
Explanation:

https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/ipapp_fhrp/configuration/xe-3s/fhp-xe-3sbook/fhp-hsrp-v2.html



QUESTION 83

Refer to the exhibit.



Which statement about the ERSPAN configuration in this environment is true.

- A. Host A is the source of ERSPAN spanned traffic and host B is the traffic analyzer.

- B. Host B is the source of ERSPAN spanned traffic and host A is the traffic analyzer.
- C. The session number of the source of ERSPAN spanned traffic must have a session ID of 48 for the traffic analyzer to receive the traffic.
- D. The session number of the source of ERSPAN spanned traffic must have a session ID of 47 for the traffic analyzer to receive the traffic.

Correct Answer: A

Section:

QUESTION 84

Refer to the exhibit.

```

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

```

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

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

Correct Answer: D, E

Section:



QUESTION 85

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

Correct Answer: B

Section:

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/xr-16-5/imc-pimxr-16-5-book/imc-tech-oview.html and <https://networklessons.com/multicast/multicastbidirectional-pim>

QUESTION 86

Refer to the exhibit.

```
N7K-1
interface Vlan165
 no shutdown
 no ip redirects
 ip address 10.16.165.2/27
 no ipv6 redirects
 hsrp version 2
 hsrp 165
 preempt
 priority 150
 ip 10.16.165.1

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

N7K-2
interface Vlan165
 no shutdown
 no ip redirects
 ip address 10.16.165.3/27
 no ipv6 redirects
 hsrp version 2
 hsrp 165
 priority 50
 ip 10.16.165.1

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



Which statement describes the default gateway configuration of the vPC?

- A. N7K-1 acts as the default gateway for all traffic.
- B. N7K-2 forwards traffic that is destined for the default gateway by using the peer link.
- C. N7K-2 acts as the default gateway for all traffic.
- D. Either switch can act as the active default gateway.

Correct Answer: D

Section:

Explanation:

<https://community.cisco.com/t5/networking-documents/peer-gateway-feature-on-the-nexus-7000/ta-p/3113290>

QUESTION 87

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.

Correct Answer: D

Section:

Explanation:

automatically created by the Nexus when the vrrp feature is disabled

QUESTION 88

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

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

Correct Answer: C, E

Section:

Explanation:

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

<https://www.cisco.com/c/en/us/products/collateral/data-center-analytics/network-assuranceengine/at-a-glance-c45-740230.html>

QUESTION 89

What is an advantage of streaming telemetry over SNMP?



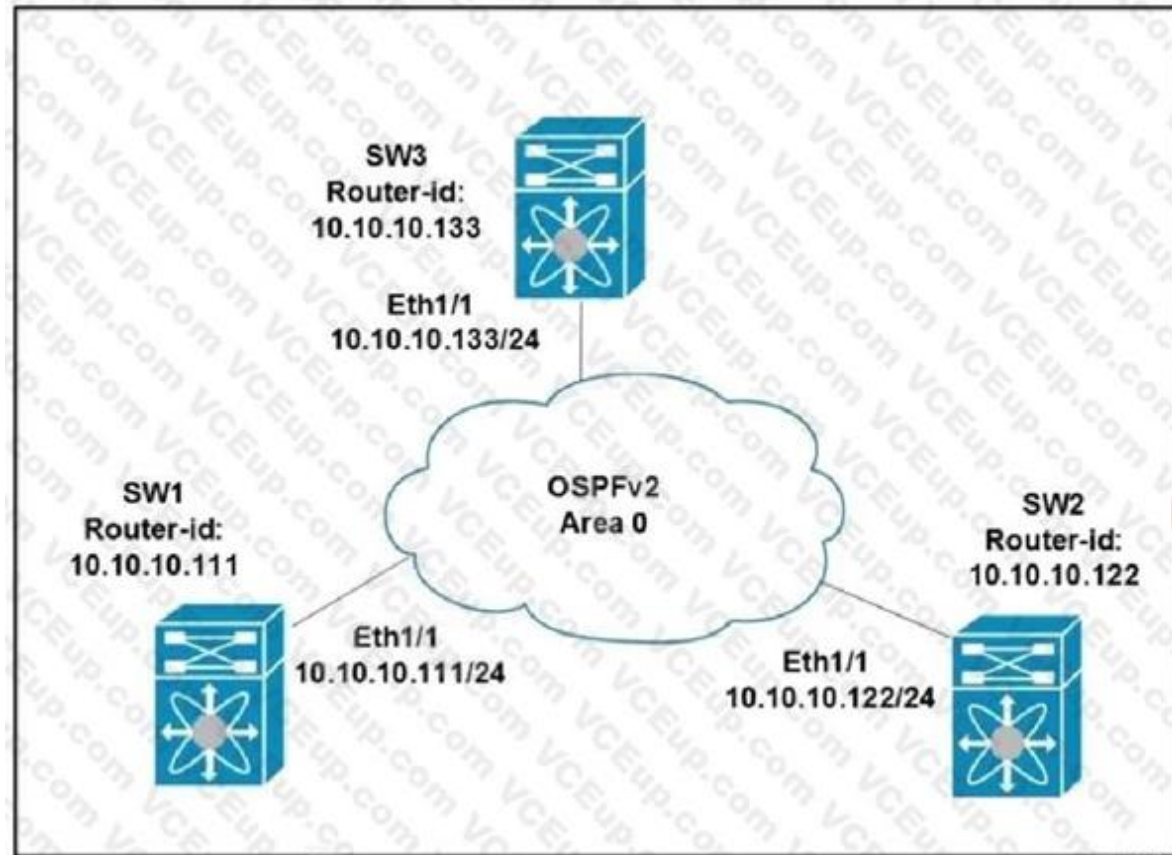
- A. on-change traps sent to a receiver
- B. periodic push-based subscription messages
- C. periodic polling of the device status
- D. MD5-based authentication on polling

Correct Answer: B

Section:

QUESTION 90

Refer to the exhibit.



vdumps

All switches are configured with the default OSPF priority. Which configuration should be applied to ensure that the SW2 Cisco Nexus switch controls the LSA floods and advertises the network to the remaining nodes in the OSPFv2 area?

- A. SW2# configure terminal SW2 (config)# interface ethernet 1/1 SW2 (config-if)# ip ospf priority 255
- B. SW2# configure terminal SW2 (config)# interface ethernet 1/1 SW2 (config-if)# ip ospf priority 1
- C. SW2# configure terminal SW2 (config)# router ospf 1 SW2 (config-router)# router-id 10.10.10.22
- D. SW2# configure terminal SW2 (config)# interface ethernet 1/1 SW2 (config-if)# ip ospf priority 0

Correct Answer: A

Section:

Explanation:

Priority in OSPF is mainly used to influence/determine a designated router/backup designated router for a network. By default, the priority is 1 on all routers. A router with a high priority will always win the DR/BDR election process.

QUESTION 91

An engineer is seeking the most optimal on demand CPU performance while configuring the BIOS settings of a UCS C-series rack mount server. What setting will accomplish this goal?

- A. C0/C1 state
- B. C6 Retention
- C. C2 state
- D. C6 non-Retention

Correct Answer: B

Section:

Explanation:

Reference: <https://www.cisco.com/c/en/us/products/collateral/servers-unified-computing/ucs-bseries-blade-servers/white-paper-c11-744678.html>. For Package C State limit default: C0/C1 State;Max Per: Platform Default; Low-latenc:

Platform Default; Energy Effi: C6 Retention

https://www.cisco.com/c/dam/en/us/products/collateral/servers-unified-computing/ucs-b-seriesblade-servers/whitepaper_c11-740098.pdf he higher the package C-state, the lower the power use of that idle package state. The default setting, Package C6 (nonretention), is the lowest power idlepackage state supported by the processor.

[https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/c/sw/gui/config/guide/4_0/b_Cisco_UCS_C-](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/c/sw/gui/config/guide/4_0/b_Cisco_UCS_C-Series_GUI_Configuration_Guide_for_S3260_Servers_40/b_Cisco_UCS_CSeries_GUI_Configuration_Guide_for_S3260_Servers_40_appendix_010011.html)

Series_GUI_Configuration_Guide_for_S3260_Servers_40_appendix_010011.html"Whether the BIOS sends the C6 report to the operating system. When the OS receives the report, it can transition the processor into the lower C6 power state to decrease energy usage while maintaining optimal processor performance"

QUESTION 92

An engineer is duplicating an existing Cisco UCS setup at a new site. What are two characteristics of a logical configuration backup of a Cisco UCS Manager database? (Choose two.)

- A. contains the AAA and RBAC configurations
- B. contains a file with an extension.tgz that stores all of the configurations
- C. contains the configuration organizations and locales
- D. contains all of the configurations
- E. contains the VLAN and VSAN configurations



Correct Answer: C, E

Section:

Explanation:

Logical configuration—An XML file that includes all logical configuration settings such as service profiles, VLANs, VSANs, pools, and policies. You can use the file generated from this backup to import these configuration settings to the original fabric interconnect or to a different fabric interconnect. You cannot use this file for a system restore.

QUESTION 93

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

Correct Answer: B, D

Section:

Explanation:

QUESTION 94

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

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

Correct Answer: C

Section:

Explanation:

https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/c/sw/cli/config/guide/4_0/b_Cisco_UCS_CSeries_CLI_Configuration_Guide_40/b_Cisco_UCS_CSeries_CLI_Configuration_Guide_40_chapter_01000.html

<https://www.cisco.com/c/en/us/support/docs/servers-unified-computing/unified-computingsystem/200221-Auto-negotiation-not-enabling-by-default.html>

QUESTION 95

Refer to the exhibit.

```
UCS-A# scope adapter 1/1/1
UCS-A# /chassis/server/adapter # show image
Name                               Type      Version  State
-----
ucs-m81kr-vic.2.2.1b.bin           Adapter  2.2(1b)  Active

UCS-A# /chassis/server/adapter # update firmware 2.2(1b)
UCS-A# /chassis/server/adapter* # activate firmware 2.2(1b)
set-startup-only
UCS-A# /chassis/server/adapter* # commit-buffer
UCS-A# /chassis/server/adapter #
```



What is the result of this series of commands?

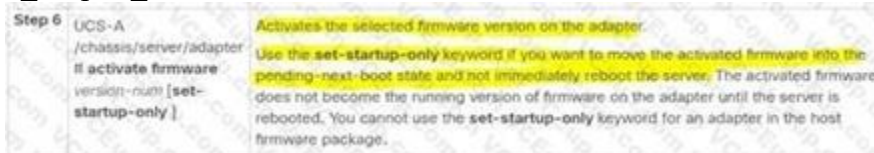
- A. It reboots the server immediately.
- B. It verifies the firmware update on the server.
- C. It activates the firmware on the next adapter boot.
- D. It updates the firmware on adapter 1/1/1 immediately.

Correct Answer: C

Section:

Explanation:

https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/CLI-User-Guides/Firmware-Mgmt/4-0/b_UCSM_CLI_Firmware_Management_Guide_4-0/b_UCSM_CLI_Firmware_Management_Guide_4-0_chapter_011.html



QUESTION 96

What is the benefit of adding Cisco HyperFlex Hardware Acceleration Cards to a HyperFlex deployment?

- A. offline encryption acceleration
- B. increased network throughput

- C. GPU acceleration
- D. Increased compression efficiency

Correct Answer: D

Section:

Explanation:

- Additional Information on HyperFlex Hardware Acceleration Cards

Overview of HyperFlex Hardware Acceleration Cards

This chapter provides details for installation, post-installation, and troubleshooting of HyperFlex Hardware Acceleration Cards (PID: HX-PCIE-OFFLOAD-1) on HyperFlex nodes and for configuring your initial cluster. These cards provide improved performance and compression efficiency for most storage workloads.

Note An HXDP-P Enterprise license is required for installing and configuring HyperFlex Hardware Acceleration Cards.

https://www.cisco.com/c/en/us/td/docs/hyperconverged_systems/HyperFlex_HX_DataPlatformSoftware/Installation_VMWare_ESXi/3_5/b_HyperFlexSystems_Installation_Guide_for_VMware_ESXi_3_5/b_HyperFlexSystems_Installation_Guide_for_VMware_ESXi_3_5_chapter_01100.html#:~:text=Overview%20of%20HyperFlex%20Hardware%20Acceleration%20Cards,-This%20chapter%20provides&text=These%20cards%20provide%20improved%20performance%20and%20compression%20efficiency%20for%20most%20storage%20workloads.

QUESTION 97

Which two hypervisors does Cisco HyperFlex support? (Choose two.)

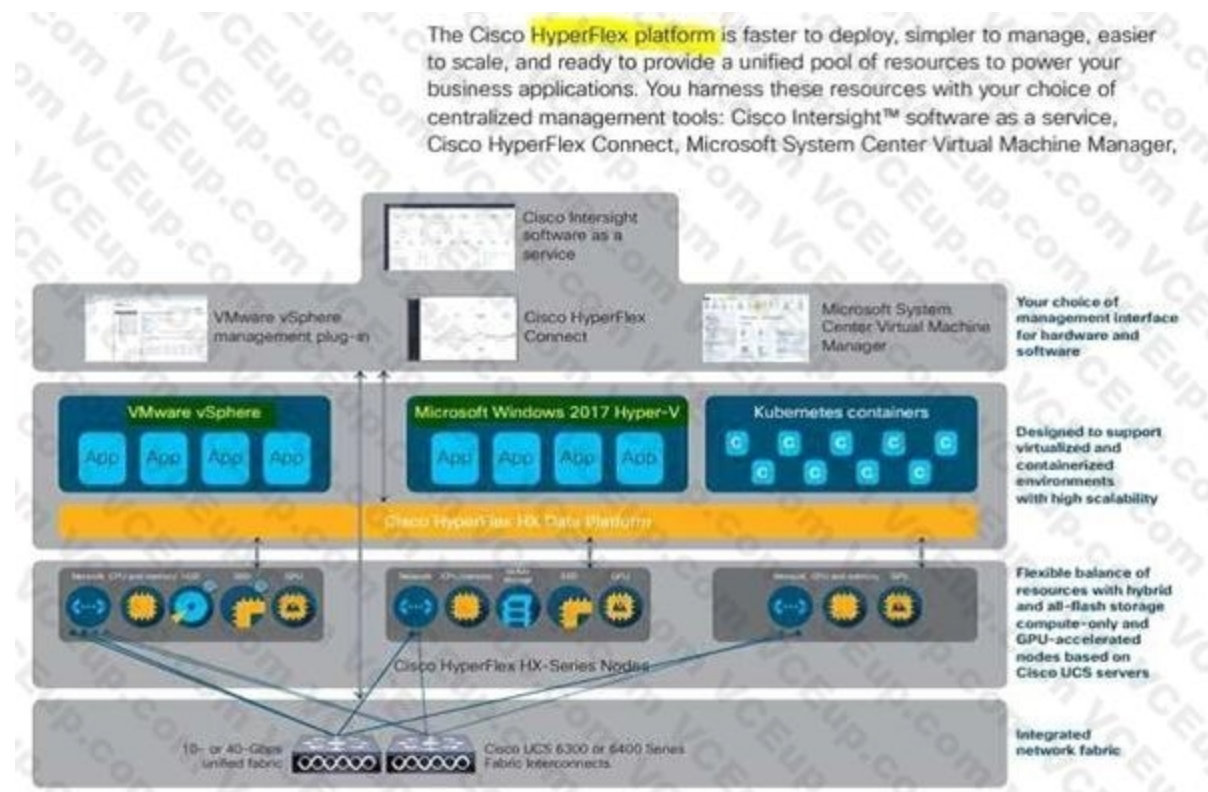
- A. VMware vSphere
- B. Microsoft Hyper-V
- C. OpenStack
- D. Citrix XenServer
- E. RedHat KVM

Correct Answer: A, B

Section:

Explanation:





<https://www.cisco.com/c/dam/en/us/products/collateral/hyperconverged-infrastructure/hyperflexhx-series/solution-overview-c22-736815.pdf>

QUESTION 98

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

- A. Errors are skipped when an atomic rollback type is triggered.
- B. A user who is assigned to the network-operator user role can perform a rollback.
- C. The configuration rollback functionality is disabled when FCoE is enabled.
- D. A system checkpoint is generated automatically when the running configuration is saved to NVRAM.

Correct Answer: C

Section:

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.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=2ahUKEwjQ8ubTuK3xAhWm3jgGH Z9gB0oQFjAAegQIBRAC&usg=AOvVaw2j0nnvXiChAoVooxX2Qx0g

QUESTION 99

Which statement about the impact of a rolling EPLD upgrade on a Cisco MDS 9000 Series Switch is true?

- A. All modules on the switch are disrupted.
- B. An EPLD upgrade is nondisruptive.
- C. Only the modules that are being upgraded are disrupted.
- D. The upgrade can be performed from the standby supervisor module.

Correct Answer: C

Section:

Explanation:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/6_2/release/notes/epld/epld_rn.html#pgfId-241919

QUESTION 100

Which command reduces the amount of time it takes to complete the ISSU on a Cisco Nexus 7000 series switch that has dual supervisor modules and two I/O modules?

- A. install all kickstart <image>system<image>parallel
- B. install all epld bootflash:<image>
- C. install all epld bootflash:<image>
- D. install all kickstart<image>system<image>

Correct Answer: A

Section:

Explanation:



https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus7000/sw/upgrade/guide/cisco_nexus7000_software_upgrade_and_downgrade_guide_8x.html

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/7_x/nx-os/upgrade/guide/b_Cisco_Nexus_7000_Series_NX-OS_Software_Upgrade_and_Downgrade_Guide_Release_7-x.html#d54e307a1635

QUESTION 101

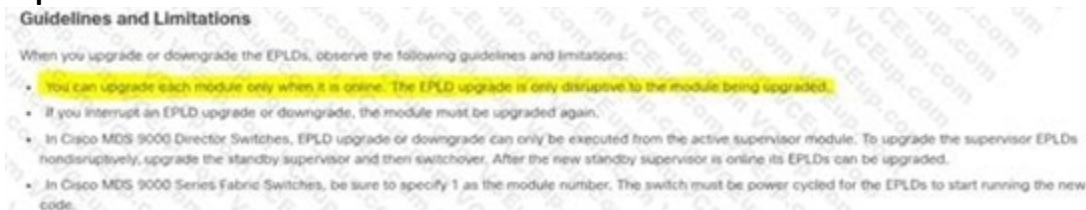
Which two statements about the process of performing an EPLD upgrade on a Cisco MDS 9000 series Switch are true? (Choose two.)

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

Correct Answer: D, E

Section:

Explanation:



https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/8_x/release_notes/epld/epld_rn_8x.html

"On a Cisco Nexus 9500 platform switch that has two supervisor modules, upgrade the EPLDs for the standby supervisor and then switch the active supervisor to the standby mode to upgrade its EPLDs.

The supervisor switchover is not disruptive to traffic on Cisco Nexus 9500 platform switches. On a switch that has only one supervisor module, you can upgrade the active supervisor, but this will

disrupt its operations during the upgrade."

Under Installation guidelines.

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/92x/epld-rn/nxos_n9K_epldRN_924.html

QUESTION 102

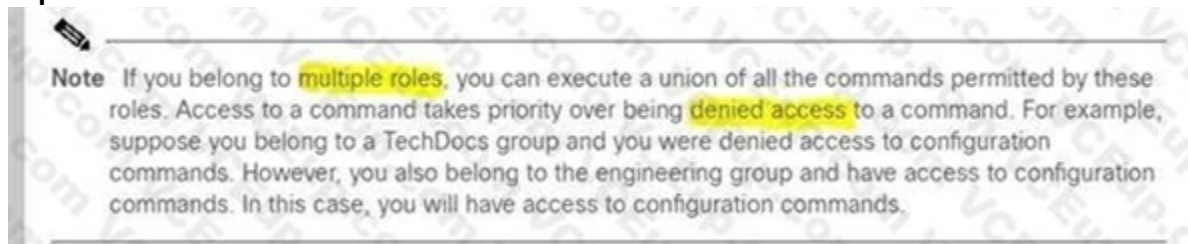
Multiple roles are applied to a user on the Cisco MDS 9000 Series Switch. Which statement is true?

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

Correct Answer: B

Section:

Explanation:



https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/5_0/configuration/guides/sec/nxos/sec/clicfgur.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

QUESTION 103

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

Correct Answer: C

Section:

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>

<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

QUESTION 104

Refer to the exhibit.

```
CISCO-UCS-A# scope org /
CISCO-UCS-A /org* # create service-profile Cisco1 instance
CISCO-UCS-A /org/service-profile* # set bios-policy bios1
CISCO-UCS-A /org/service-profile* # set boot-policy boot1
CISCO-UCS-A /org/service-profile* # set ext-mgmt-ip-state none
CISCO-UCS-A /org/service-profile* # set host-fw-policy ipmi-user987
CISCO-UCS-A /org/service-profile* # set identity dynamic-uuid derived
CISCO-UCS-A /org/service-profile* # set ipmi-access-profile ipmil
CISCO-UCS-A /org/service-profile* # set local-disk-policy local1
CISCO-UCS-A /org/service-profile* # set maint-policy maint1
CISCO-UCS-A /org/service-profile* # set mgmt-fw-policy mgmt1
CISCO-UCS-A /org/service-profile* # set power-control-policy power1
CISCO-UCS-A /org/service-profile* # set scrub-policy scrub1
CISCO-UCS-A /org/service-profile* # set sol-policy soll
CISCO-UCS-A /org/service-profile* # set stats-policy stats1
CISCO-UCS-A /org/service-profile* # set user-label Cisco
CISCO-UCS-A /org/service-profile* # vcon-policy vconnpolicy
CISCO-UCS-A /org/service-profile* # commit-buffer
CISCO-UCS-A /org/service-profile #
```

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

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

Correct Answer: A

Section:

Explanation:

there is no parameter for 'set identity dynamic-uuid' to specify a pool name - you can only state "derived" or a 32 hex character string (128-bits, therefore full UUID). `ucspe /org/service-profile # set identity dynamic-uuid derived` Derived FFFFFFFF-FFFF-FFFF-FFFF-FFFFFFFFFFFFFF Dynamic UUID The documentation, as usual for Cisco, is poor. Shagua references old v1.4.1 documentation but it's the same in 4.1. It's inaccurate as `uuid-pool` should now read `uuid-suffix-pool`. You can use UCSPE to check the CLI with contextual help. `ucspe /org/service-profile # set identity dynamic-uuid` Dynamic UUID dynamic-wwnn Dynamic WWNN `uuid-suffix-pool` UUID Suffix Pool `wwnn-pool` WWNN Pool If `set identity dynamic-uuid` only gives us the option of a static UUID or the parameter "derived", and `set identity uuid-suffix-pool` is the option to assign a pool... I would suggest that the most logical answer here is - derived from the hardware.

https://www.cisco.com/en/US/docs/unified_computing/ucs/sw/cli/config/guide/1.4.1/CLI_Config_Guide_1_4_1_chapter27.html

QUESTION 105

A UCS B- Series server located in B5108 chassis 1 slot 1 is currently unavailable. The server needs to be associated with a specific service profile when it becomes available. Which associate service profile option should be selected to accomplish this goal?

- A. server pool
- B. server
- C. custom server
- D. restrict migration

Correct Answer: C

Section:

Explanation:

https://www.cisco.com/en/US/docs/unified_computing/ucs/sw/gui/config/guide/141/UCSM_GUI_Configuration_Guide_141_chapter28.html



Associating a Service Profile with a Server or Server Pool

Follow this procedure if you did not associate the service profile with a blade server or server pool when you created it, or to change the blade server or server pool with which a service profile is associated.

Procedure

Step 1 In the Navigation pane, click the Servers tab.

Step 2 On the Servers tab, expand Servers > Service Profiles.

Step 3 Expand the node for the organization that contains the service profile that you want to associate with a new server or server pool.

If the system does not include multi-tenancy, expand the root node.

Step 4 Right-click the service profile you want to associate with a server and select Change Service Profile Association.

Step 5 In the Associate Service Profile dialog box, select one of the following options:

Option	Description
Server Pool	Select a server pool from the drop-down list. Cisco UCS Manager assigns a server from this pool to the service profile. Continue with Step 7.
Server	Navigate to the desired available server in the navigation tree and select the server which will be assigned to the service profile. Continue with Step 7.
Custom Server	Specifies the chassis and slot that contains the server that will be assigned to the service profile. If the server is not in the slot or is otherwise unavailable, the service profile will be associated with the server when it becomes available. Continue with Step 6.

Step 6 If you chose Custom Server, do the following:

- In the Chassis Id field, enter the number of the chassis where the selected server is located.
- In the Server Id field, enter the number of the slot where the selected server is located.

QUESTION 106

Which service profile is affected if the default host firmware policy in Cisco UCS Manager is changed?

- A. any service profile that has no host firmware policy defined
- B. any service profile that uses a user-created host firmware policy
- C. any service profile that is not in the root sub-org
- D. any service profile that uses the global-default host firmware policy

Correct Answer: A

Section:

Explanation:

https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/Firmware-Mgmt/3-1/b_UCSM_GUI_Firmware_Management_Guide_3_1/b_UCSM_GUI_Firmware_Management_Guide_3_1_chapter_011.html

QUESTION 107

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

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

Correct Answer: B

Section:

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_rolebased_access_control_configuration.html#d18994e1993a1635

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.

https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/Admin-Management/4-1/b_Cisco_UCS_Admin_Mgmt_Guide_4-1/m_rolebased_access_control_configuration.html#d18994e1993a1635



QUESTION 108

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.

Correct Answer: B

Section:

Explanation:

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

QUESTION 109

Which statement is true about upgrading the firmware on a Cisco MDS storage switch with dual supervisors?

- A. The standby supervisor must be offline before the firmware upgrade begins.
- B. Both supervisors load the new firmware and then the active supervisor reboots.
- C. Supervisors can be upgraded independently to test the new firmware.
- D. The new firmware is load on the standby supervisor first.

Correct Answer: D

Section:

Explanation:

<https://www.cisco.com/c/en/us/support/docs/storage-networking/mds-9000-nx-os-san-ossoftware/118952-technote-mds9k-00.html#:~:text=On%20a%2095xx%20or%2097xx,becomes%20the%20new%20standby%20supervisor.>

QUESTION 110

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

Correct Answer: B

Section:

Explanation:

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#37039

QUESTION 111

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.

Correct Answer: B, C

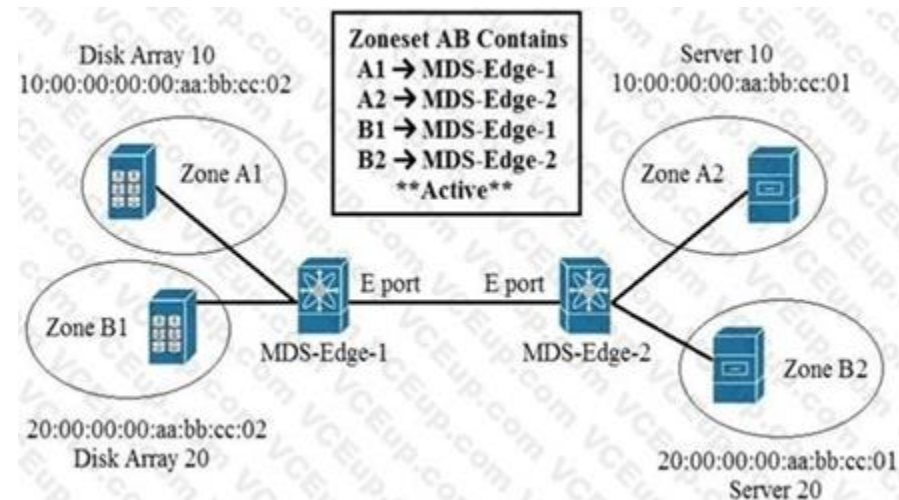
Section:

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

QUESTION 112

Refer to the exhibit.



An engineer is implementing zoning on two Cisco MDS switches. After the implementation is finished, E Ports that connect the two Cisco MDS switches becomes isolated. What is wrong with the implementation?

- A. E Ports on both MDS switches must be configured as F ports for the zoning to function.
- B. Zones are local to the MDS switch and name service must be used to activate the connection between E ports.
- C. Different zone set names must be configured on both MDS switches.
- D. Zones must have the same name on both MDS switches for the E ports to function.

Correct Answer: D

Section:

Explanation:

When two switches in a fabric are merged using a TE or E port, these TE and E ports may become isolated when the active zone set databases are different between the two switches or fabrics."
https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/6_2/configuration/guides/fabric/nxos/nx_os_fabric/zone.html

QUESTION 113

Refer to the exhibit.

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

What is the result of implementing this configuration?

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



Correct Answer: B

Section:

Explanation:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/san_switching/421_n1_1/b_Cisco_n5k_nxos_sanswitching_config_guide_rel421_n1_1/Cisco_n5k_nxos_sanswitching_config_guide_rel421_n1_1_chapter3.html
https://www.cisco.com/en/US/docs/switches/datacenter/nexus5000/sw/configuration/guide/cli_rel_4_1/Cisco_Nexus_5000_Series_Switch_CLI_Software_Configuration_Guide_chapter50.html

QUESTION 114

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

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

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

Correct Answer: C, E

Section:

Explanation:

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

QUESTION 115

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

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

Correct Answer: A

Section:

Explanation:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus1000/sw/4_2_1_s_v_1_5_1/system_management/configuration/guide/n1000v_system/n1000v_system_13iscsi.html#wp1052813

QUESTION 116

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

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

Correct Answer: A, C

Section:

Explanation:

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

QUESTION 117

Which two methods are available to Manage an ACI REST API session authentication when a user is unauthenticated?

- A. POST to aaaLogin
- B. POST to aaaUserLogin
- C. GET aaaRefresh
- D. GET to aaaListDomains
- E. DELETE to aaaLogout

Correct Answer: A, C

Section:

Explanation:

These API methods enable you to manage session authentication: aaaLogin —Sent as a POST message, this method logs in a user and opens a session. The message body contains an aaa:User object with the name and password attributes, and the response contains a session token and cookie. If multiple AAA login domains are configured, you must prepend the user's name with apic: domain\\. aaaRefresh —Sent as a GET message with no message body or as a POST message with the aaaLogin message body, this method resets the session timer. The response contains a new session token and cookie. aaaLogout —Sent as a POST message, this method logs out the user and closes the session.

The message body contains an aaa:User object with the name attribute. The response contains an empty data structure. aaaListDomains —Sent as a GET message, this method returns a list of valid AAA login domains. You can send this message without logging in.



QUESTION 118

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

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

Correct Answer: C

Section:

Explanation:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/6_2/configuration/guides/interfaces/nx-os/cli_interfaces/intf.html

QUESTION 119

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

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

Correct Answer: B

Section:



QUESTION 120

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

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

Correct Answer: D

Section:

Explanation:

https://docs.ansible.com/ansible/2.5/modules/nxos_nxapi_module.html

https://docs.ansible.com/ansible/latest/network/user_guide/platform_nxos.html

QUESTION 121

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

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

E. No Cisco NX-OS image is present on the bootflash.

Correct Answer: B, C

Section:

Explanation:

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

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

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

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

QUESTION 122

AN engineer enters these commands while in EEM on a Cisco Nexus 9000 Series Switch. event manager applet Backup-config event timer watchdog time 1800 name timer event cli match "copy running-config startup-config" what is the result of applying this configuration?

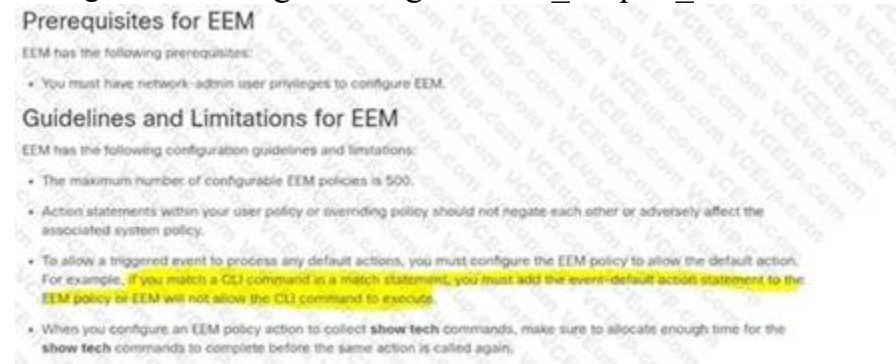
- A. It saves the running configuration every 1800 seconds.
- B. It generates an error because no action is mentioned.
- C. It executes the copy running-config startup-config command.
- D. It blocks the copy running-config startup-config command.

Correct Answer: B

Section:

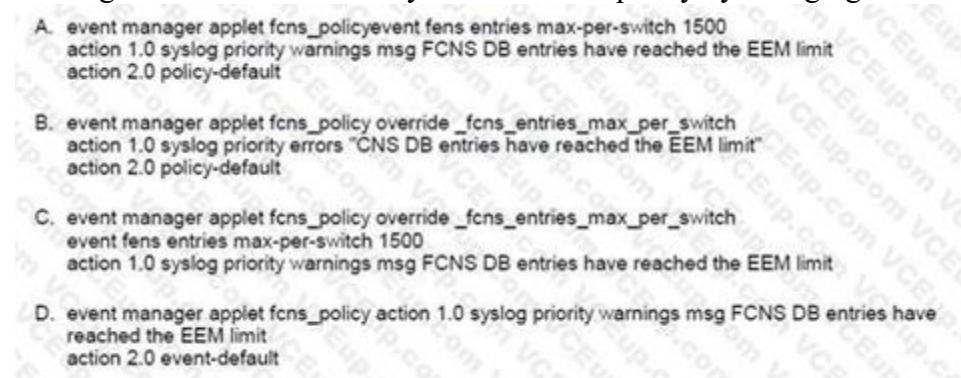
Explanation:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/93x/systemmanagement/b-cisco-nexus-9000-series-nx-os-system-management-configuration-guide-93x/bcisco-nexus-9000-series-nx-os-system-management-configuration-guide-93x_chapter_0100010.html



QUESTION 123

AN engineer is asked to modify an overridden policy by changing the number of FCNS database entries to 1500 and then generate a message. What configuration will accomplish this task?



A. Option A

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

Correct Answer: C

Section:

Explanation:

The following example modifies an overridden policy by changing the number of FCNS database entries to 1500. It also generates both the configured and the default syslog messages of the default system policy event manager applet fens_policy override __fens_entries_max_per_switch event fens entries max-per-switch 1500 action 1.0 syslog priority warnings msg FCNS DB entries have reached the EEM limit.

Reference:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/8_x/config/systemmanagement/cisco_mds9000_system_management_config_guide_8x/configuring_the_embedded_event_manager.html

QUESTION 124



Refer to the exhibit.



```
<?xml version="1.0" encoding="UTF-8"?><imdata totalCount="1"><error  
code="403" text="Token was invalid (Error: Token timeout)"/></imdata>
```



An engineer configures a new application profile using REST API and receives this error message.



Which method can be used before application profile can be configured?

- A. POST to aaaLogin
- B. POST to aaaRefresh
- C. POST to aaaLogout
- D. GET to aaaListDomains

Correct Answer: A

Section:

Explanation:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/2-x/rest_cfg/2_1_x/b_Cisco_APIC_REST_API_Configuration_Guide/b_Cisco_APIC_REST_API_Configuration_Guide_chapter_01.html



QUESTION 125

An engineer is asked to manage a large-scale data center and collect information from multiple Cisco NX-OS devices using Cisco NX-OS Data Management Engine model. Which technology should be used to accomplish this goal?

- A. NX-API REST
- B. NETCONF
- C. JSON-RPC
- D. NX Yang

Correct Answer: A

Section:

Explanation:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/7-x/programmability/guide/b_Cisco_Nexus_9000_Series_NXOS_Programmability_Guide_7x/b_Cisco_Nexus_9000_Series_NXOS_Programmability_Guide_7x_chapter_010001.pdf

QUESTION 126

An engineer needs a utility to translate traditional Nexus CLI inputs and generate Python code using XML and JSON message formats. The solution needs to be available on a Nexus 7700 series switch. Which utility should be used?

- A. NX-OS JSON-RPC
- B. NX-API Sandbox
- C. Guest Shell for NX-OS
- D. Open NX-OS



Correct Answer: B

Section:

Explanation:

<https://developer.cisco.com/docs/nx-os/#!nx-api-cli-developer-sandbox>

QUESTION 127

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

Correct Answer: A, C

Section:

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/ucsm_privileges/3-2/UCSMPrivileges-3_2/UCSM-Privileges-3_2_chapter_01.html

QUESTION 128

An engineer has a primary fabric that is named UCS-A and a secondary fabric that is named UCS-B. A certificate request that has a subject name of sjc2016 for a keyring that is named kr2016 needs to be created. The cluster IP address is 10.68.68.68.

Which command set creates this certificate request?

- A. UCS-A # scope keyring kr2016
UCS-A /keyring # create certreq 10.68.68.68 sjc2016
UCS-A /keyring* # commit-buffer
- B. UCS-B # scope keyring kr2016
UCS-B /keyring # create certreq ip 10.68.68.68 subject-name sjc2016
UCS-B /keyring* # commit-both
- C. UCS-B# scope security
UCS-B /security # scope keyring kr2016
UCS-B /security/keyring # set certreq 10.68.68.68 sjc2016
UCS-B /security/keyring* # commit-both
- D. UCS-A# scope security
UCS-A /security # scope keyring kr2016
UCS-A /security/keyring # create certreq ip 10.68.68.68 subject-name sjc2016 UCS-A /security/keyring* # commit-buffer

Correct Answer: D

Section:

QUESTION 129

Port security is enabled on a Cisco MDS 9000 series Switch. Which statement is true?

- A. Cisco Fabric Services must be disabled before enabling port security.
- B. Port security can be enabled only globally and affects all VSANs.

- C. Auto-learning is always enabled automatically when port security is enabled.
- D. Any devices currently logged in must be added manually to the device databased.

Correct Answer: C

Section:

Explanation:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/8_x/config/security/cisco_mds9000_security_config_guide_8x/configuring_port_security.html

all devices connecting to a switch to be part of the port security active database. The software uses this active database to enforce authorization.

About Auto-Learning

You can instruct the switch to automatically learn (auto-learn) the port security configurations over a specified period. This feature allows any switch in the Cisco MDS 9000 Family to automatically learn about devices and switches that connect to it. Use this feature when you activate the port security feature for the first time as it saves tedious manual configuration for each port. You must configure auto-learning on a per-VSAN basis. If enabled, devices and switches that are allowed to connect to the switch are automatically learned, even if you have not configured any port access.

When auto-learning is enabled, learning happens for the devices or interfaces that were already logged into the switch and the new devices or interfaces that need to be logged in. Learned entries on a port are cleaned up after you shut down that port if auto-learning is still enabled.

Learning does not override the existing configured port security policies. So, for example, if an interface is configured to allow a specific pWWN, then auto-learning will not add a new entry to allow any other pWWN on that interface. All other pWWNs will be blocked even in auto-learning mode.

No entries are learned for a port in the shutdown state.

When you activate the port security feature, auto-learning is also automatically enabled.

Note If you activate port security feature, auto-learning gets enabled by default. You cannot re-activate port security until auto-learning is disabled or deactivate and activate again.

Port Security Activation

By default, the port security feature is not activated in any switch in the Cisco MDS 9000 Family.

By activating the port security feature, the following apply:

- Auto-learning is also automatically enabled, which means:
 - From this point, auto-learning happens for the devices or interfaces that were already logged into the switch and also for the new devices will login in future.
 - You cannot activate the database until you disable auto-learning.
- All the devices that are already logged in are learned and are added to the active database.
- All entries in the configured database are copied to the active database.

After the database is activated, subsequent device login is subject to the activated port bound WWN pairs, excluding the auto-learned entries. You must disable auto-learning before the auto-learned entries become activated.

When you activate the port security feature, auto-learning is also automatically enabled. You can choose to activate the port security feature and disable auto-learning.



QUESTION 130

When a strict CoPP policy is implemented, which statement describes an event during which packets are dropped?

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

Correct Answer: B

Section:

Explanation:

A large image upload is more probable to generate that level of traffic.

15 SSH session would mean an average of 200pps per session, and they simply mention that the session remain connected, if there are no inputs in them they have 0pps and even a full config push would probably not require 200 packets total. class copp-system-p-class-management set cos 2 police cir 3000 pps bc 32 packets conform transmit violate drop

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/6-x/security/configuration/guide/b_Cisco_Nexus_9000_Series_NXOS_Security_Configuration_Guide/b_Cisco_Nexus_9000_Series_NXOS_Security_Configuration_Guide_chapter_010001.html

QUESTION 131

Which two authentication types does Cisco UCS Manager support when configuration authentication? (Choose two.)

- A. local
- B. LDAP
- C. 802.1X
- D. Kerberos
- E. PAM

Correct Answer: A, B

Section:

Explanation:

https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/Admin-Management/3-2/b_Cisco_UCS_Admin_Mgmt_Guide_3_2/b_Cisco_UCS_Admin_Mgmt_Guide_3_2_chapter_0101.html

QUESTION 132

Refer to the exhibit.

```
NEXUS (config)# feature tacacs+
NEXUS (config)# tacacs-server timeout 5
NEXUS (config)# tacacs-server directed-request
NEXUS (config)# tacacs-server deadline 0
NEXUS (config)# tacacs server host 10.1.50.20 port 49
NEXUS (config)# tacacs-server host 10.1.50.20 key 7 "Flwhgl23" timeout 1
NEXUS (config)# aaa group server tacacs+ ISE
NEXUS (config-tacacs+)# server 10.1.50.20
NEXUS (config-tacacs+)# deadline 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.

Correct Answer: D

Section:

Explanation:

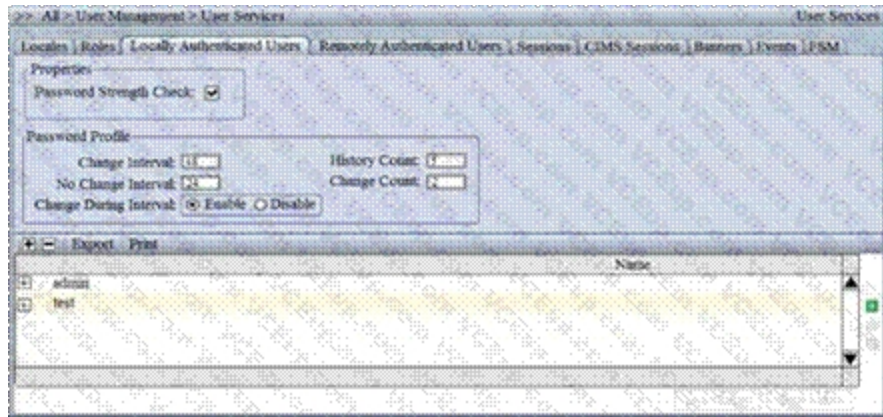
tacacs-server key To configure a global TACACS+ shared secret key, use the tacacs-server key command. To remove a configured shared secret, use the no form of this command. tacacs-server key [0 | 7] shared-secret Syntax Description

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).

QUESTION 133

Refer to the exhibit.



Which setting must be configured to prevent reuse of passwords?

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

Correct Answer: C

Section:

Explanation:

https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/Admin-Management/3-1/b_Cisco_UCS_Admin_Mgmt_Guide_3_1/b_Cisco_UCS_Admin_Mgmt_Guide_3_1_chapter_011.html

QUESTION 134

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

- A. Idap-server host 10.10.2.2 enable-ssl
- B. Idap-server 10.10.2.2 port 443
- C. Idap server host 10.10.2.2 key SSL_KEY
- D. Idap-server 10.10.2.2 key SSL_KEY

Correct Answer: A

Section:

Explanation:

Reference:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/6_2/configuration/guides/security/nx-os/sec_cli_6-x/cradtac1.html

QUESTION 135

Refer to the exhibit.

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

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

- A. Configure the interface of the DHCP server as untrusted.
- B. Configure the IP address of the DHCP server.

- C. Enable the DHCP relay agent.
- D. Verify the DHCP snooping bindings.

Correct Answer: B

Section:

Explanation:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/4_0/dcnm/security/configuration/guide/sec_dcnm_config/sec_dhcpnoop.pdf

Configuring a DHCP Server Address on a VLAN Interface

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

QUESTION 136

A network administrator must perform a system upgrade on a Cisco MDS 9000 Series Switch. Due to the recent changes by the security team:

- The AAA server is unreachable.
- All TCP communication between the MDS 9000 Series Switch and AAA servers is disabled.

Which actions must be used to perform the upgrade?

- A. Log in locally to the MDS 9000 Series Switch using a network-admin role and download the upgrade files from the remote TFTP server.
- B. Log in locally to the MDS 9000 Series Switch using a server-admin role and download the upgrade files from the remote FTP server.
- C. Log in to a server storing the upgrade files remotely using a server-admin role and download the files to the MDS 9000 Series Switch using SFTP.
- D. Log in to a server storing the upgrade files remotely using a network-admin role and download the files to the MDS 9000 Series Switch using HTTP.

Correct Answer: A

Section:

QUESTION 137

An engineer must implement a VXLAN-based data center interconnect. The long-distance transport provided by a service provider is IP-based, supports a maximum MTU of 1554 bytes, and does not support outbound traffic replication.

Which action must be taken to build the data center interconnect?

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

Correct Answer: D

Section:

QUESTION 138

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:*8:00:05:30:00:16: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

Correct Answer: D

Section:

QUESTION 139

Refer to the exhibit.

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

Refer to the exhibit. 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

Correct Answer: D

Section:

QUESTION 140

Which virtualization feature is provided by network-attached storage?

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

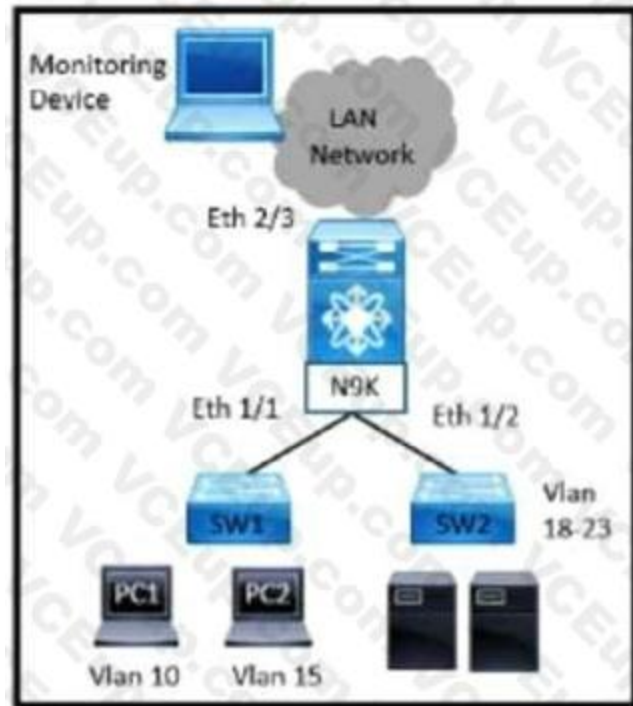
Correct Answer: C

Section:

QUESTION 141

Refer to the exhibit.





Refer to the exhibit A network administrator experiences these issues with the network:

PC1 is experiencing a buffering problem for video applications

The servers that are connected to SW2 are experiencing packet drops when they connect to the Internet The engineer wants to configure the required traffic capture to investigate the issue further Which configuration must be implemented to monitor the traffic?



```

N9K(config)# monitor session 5 rx
N9K(config)# monitor session 5 tx
N9K(config-monitor)# description Span_session_5
N9K(config-monitor)# source interface ethernet 1/1
N9K(config-monitor)# source interface ethernet 1/2
N9K(config-monitor)# destination interface ethernet 2/3

N9K(config)# monitor session 5 tx
N9K(config-monitor)# description Span_session_5
N9K(config-monitor)# source interface ethernet 1/1
N9K(config-monitor)# source interface ethernet 1/2
N9K(config-monitor)# destination interface ethernet 2/3

N9K(config)# monitor session 5 tx
N9K(config-monitor)# description Span_session_5
N9K(config-monitor)# source vian 10-15 rx
N9K(config-monitor)# source interface ethernet 1/2
N9K(config-monitor)# destination interface ethernet 2/3

N9K(config)# monitor session 5 rx
N9K(config-monitor)# description Span_session_5
N9K(config-monitor)# source vian 10 rx
N9K(config-monitor)# source interface ethernet 1/2
N9K(config-monitor)# destination interface ethernet 2/3

```

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

Correct Answer: D

Section:

QUESTION 142

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

Correct Answer: D

Section:

QUESTION 143

An engineer must configure a named VSAN when the fabric interconnect is in Fibre Channel switch mode. The VSAN must meet these requirements:

Named VSAN must be called "VSAN 10".

VSAN ID must be 10.

FCoE ID must be 20.

VSAN 10 must be attached to port 2 in slot 1.

Which command set configures a VSAN when the fabric interconnect is in Fibre Channel switch mode?

```
UCS-A# scope fc-storage
UCS-A/fc-storage# create vsan VSAN10 10 20
UCS-A /fc-storage/vsan # create member-port fcoe a 1 2
UCS-A /fc-storage/vsan/member-port* # commit-buffer

UCS-A# scope fc-traffic-mon
UCS-A/fc-storage# create vsan VSAN10 20 10
UCS-A /fc-storage/vsan # create member-port fcoe a 2 1
UCS-A /fc-storage/vsan/member-port* # commit-buffer

UCS-A# scope eth-storage
UCS-A/fc-storage# create vsan VSAN10 10 20
UCS-A /fc-storage/vsan # create member-port fcoe a 2 1
UCS-A /fc-storage/vsan/member-port* # commit-buffer

UCS-A# scope fc-uplink
UCS-A/fc-storage# create vsan VSAN10 20 10
UCS-A /fc-storage/vsan # create member-port fcoe a 1 2
UCS-A /fc-storage/vsan/member-port* # commit-buffer
```



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

Correct Answer: A

Section:

QUESTION 144

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

Correct Answer: C
Section:

QUESTION 145

Which two statements describe the process of upgrading an EPLD on a Cisco MUS 9000 Series Switch? (Choose two)

- A. EPLDs are capable to be upgraded without replacing the hardware
- B. The CPLDs for all the modules on a switch must be upgraded at the same time
- C. An upgrade verification identifies the impact of each EPLD upgrade
- D. EPLDs are only capable to be upgraded to the latest FH. D image
- E. EPLD upgrades are capable to be completed without powering down the module during the upgrade

Correct Answer: A, C
Section:

QUESTION 146

DRAG DROP

An engineer must shut down the Ethernet 1/2 interface when the Ethernet 4/5 interface state is down. Drag and drop the CLI commands from the bottom onto the blanks in the exhibit to implement this EEM. Not all commands are used.

Select and Place:



```
switch# configure terminal
switch(config)# track 1 
switch(config-track)# end

switch(config)# event manager applet track_4_5_down
switch(config-applet)# event track 1 state down
switch(config-applet)# action 1 syslog msg EEM applet
track_4_5_down shutting down port eth1/2 due to eth4/5
being down
switch(config-applet)# action 2 cli conf term

switch(config-applet)# action 3 cli 
switch(config-applet)# action 4 cli 
switch(config-applet)# end
```

Correct Answer:

```

switch# configure terminal
switch(config)# track 1 interface ethernet 4/5
switch(config-track)# end

switch(config)# event manager applet track_4_5_down
switch(config-applet)# event track 1 state down
switch(config-applet)# action 1 syslog msg EEM applet
track_4_5_down shutting down port eth1/2 due to eth4/5
being down
switch(config-applet)# action 2 cli conf term
switch(config-applet)# action 3 cli interface ethernet 1/2
switch(config-applet)# action 4 cli shut
switch(config-applet)# end

```

no shut

Section:

Explanation:

QUESTION 147

DRAG DROP

Drag and drop the fields for configuring a full state backup file of the Cisco UCS Manager from the left onto the descriptions on the right.

Select and Place:

hostname	location where the backup file is stored
protocol	full path to the backup configuration file
remote file	binary file that includes a snapshot of the entire system
type	settings used to transfer the file to the backup server

Correct Answer:



	hostname
	remote file
	type
	protocol

Section:

Explanation:

QUESTION 148

DRAG DROP

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.

Select and Place:



```

! 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 decrement 200

preempt sync 30

Correct Answer:

```

! 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

```

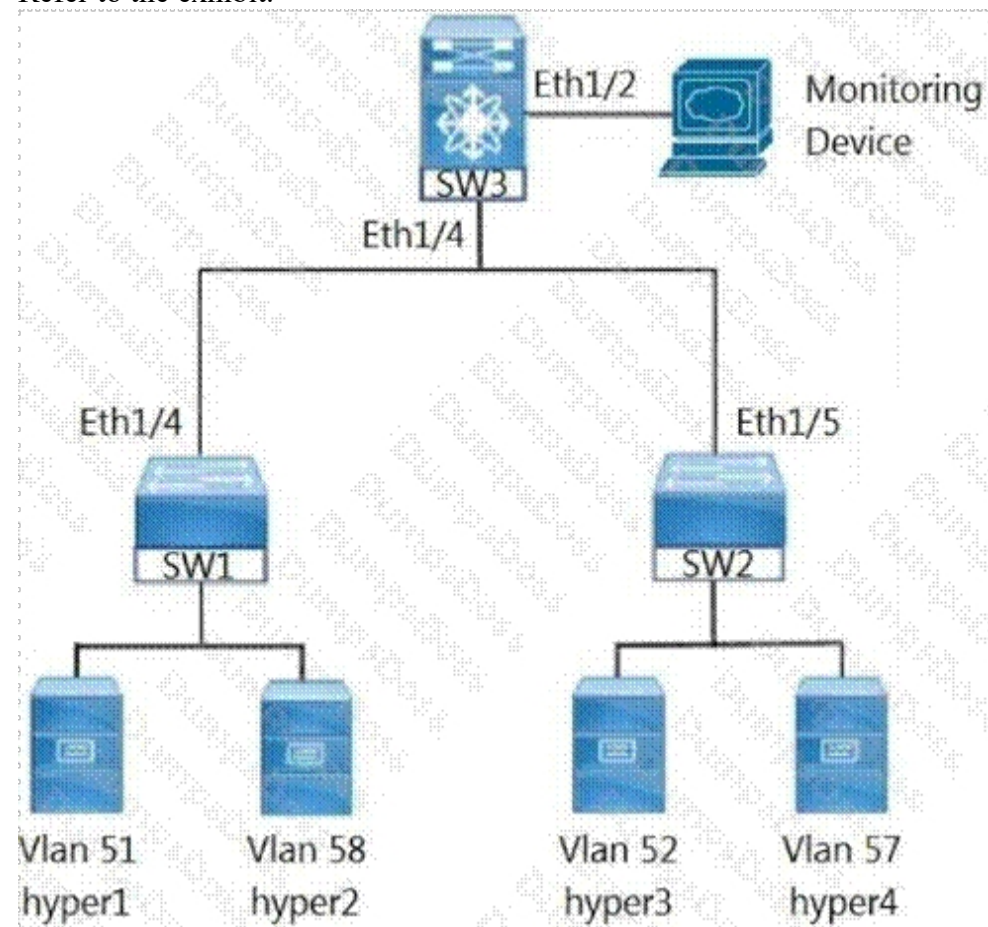
Section:

Explanation:

QUESTION 149

DRAG DROP

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.

Select and Place:

```
!SW3 configuration
interface ethernet 1/2
  switchport 
monitor session 2
  source interface 
  destination interface 
  source 
```

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

Correct Answer:

```
!SW3 configuration
interface ethernet 1/2
  switchport 
monitor session 2
  source interface 
  destination interface 
  source 
```

interface vlan 57

Section:

Explanation:

QUESTION 150

DRAG DROP

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

Select and Place:

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

Correct Answer:

	Streaming Telemetry
	Cisco Network Assurance Engine
	Cisco Tetration
	Data Management Engine

Section:

Explanation:

QUESTION 151

DRAG DROP

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

Select and Place:

https://{apic_ip}/api/ [] /uni/tn-Production.json?

[] = [] & []

= fvSubnet

target-subtree-class	query-target-filter
children	query-target
mo	class
subtree	

Correct Answer:

https://(ipic_ip)/api/class /uni/tn-Production.json?
 query-target = query-target-filter & target-subtree-class
 = fvSubnet

children	
mo	
subtree	

Section:

Explanation:

QUESTION 152

DRAG DROP

An engineer must configure HSRP protocol on two Cisco Nexus 9000 Series Switches running a virtual port channel. In addition, the HSRP implementation must meet these requirements:
 It must allow more than 500 groups.

switch1 must act as the primary switch.

Both switches must use a user-defined hardware address.

Drag and drop the commands from the right to complete a configuration of the HSRP on the left. The commands are used more than once. Not all commands are used.

Select and Place:

Answer Area



! switch1	mac-address 6000.6000.6000
interface vlan300	hsrp version 1
ip 209.165.200.226/27	priority 255
hsrp 300	hsrp use-bia
	priority 100
	hsrp version 2
ip 209.165.200.225	
! switch2	
interface vlan300	
ip 209.165.200.227/27	
hsrp 300	
ip 209.165.200.225	

Correct Answer:
Answer Area

```
! switch1
interface vlan300
ip 209.165.200.226/27
hsrp 300
hsrp version 2
priority 255
ip 209.165.200.225
mac-address 6000.6000.6000

! switch2
interface vlan300
ip 209.165.200.227/27
hsrp 300
hsrp version 2
priority 100
ip 209.165.200.225
mac-address 6000.6000.6000
```

mac-address 6000.6000.6000


hsrp version 1

priority 255

hsrp use-bia

priority 100

hsrp version 2



Section:

Explanation:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/6-x/unicast/configuration/guide/13_cli_nxos/13_hsrp.html

QUESTION 153

DRAG DROP

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

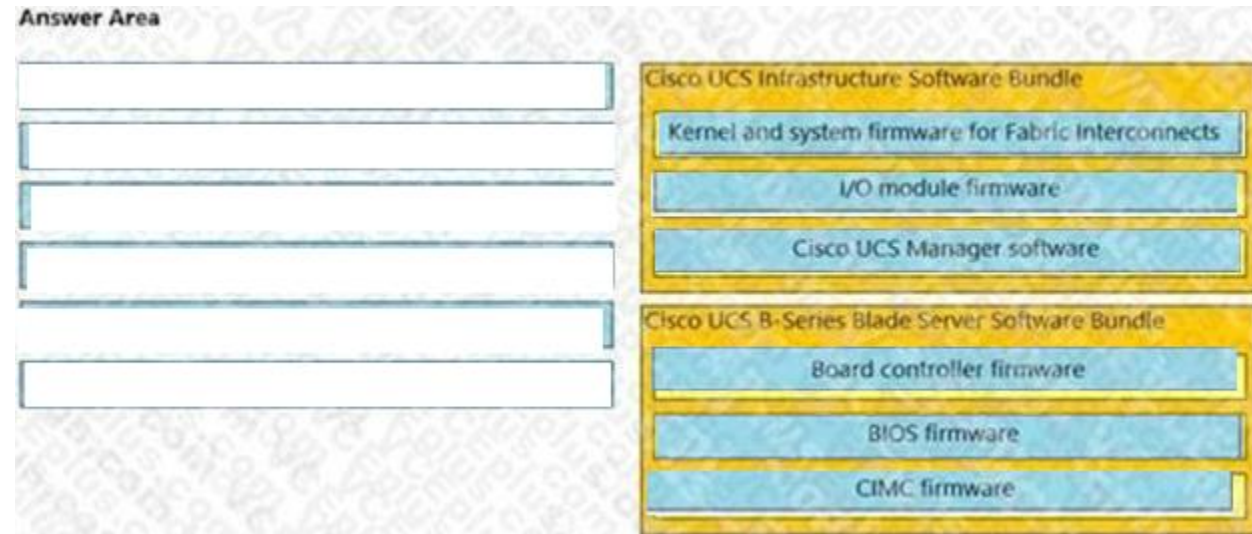
Select and Place:

Answer Area

Board controller firmware	Cisco UCS Infrastructure Software Bundle
BIOS firmware	
Kernel and system firmware for Fabric Interconnects	
CIMC firmware	
I/O module firmware	Cisco UCS B-Series Blade Server Software Bundle
Cisco UCS Manager software	

Correct Answer:

Answer Area



Section:

Explanation:

QUESTION 154

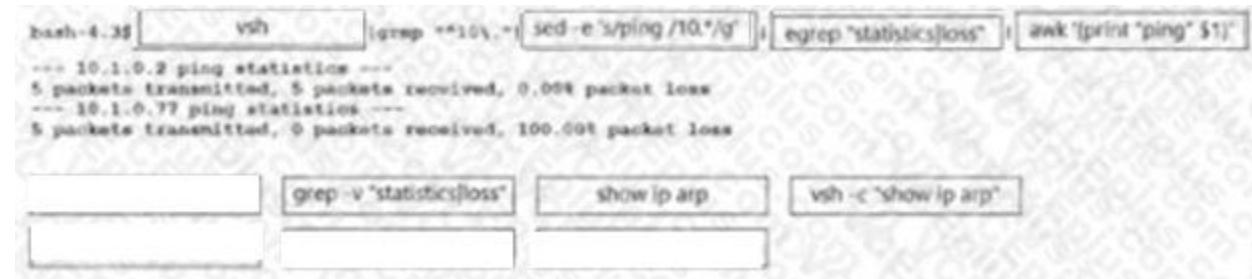
DRAG DROP

A network administrator must automate the process of pinging all the IP addresses from the 10.0.0.0/8 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.

Select and Place:



Correct Answer:



Section:

Explanation:

QUESTION 155

DRAG DROP

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

Select and Place:

Answer Area

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

Correct Answer:

Answer Area

	scope security
	scope radius
	create server <ip address>
	set key
scope tacacs+	commit-buffer

Section:

Explanation:

QUESTION 156

DRAG DROP

An engineer must configure HSRP protocol on two Cisco Nexus 9000 Series Switches running a virtual port channel. In addition, the HSRP implementation must meet these requirements:

It must allow more than 500 groups. switch 1 must act as the primary switch.

Both switches must use a user-defined hardware address.

Drag and drop the commands from the right to complete a configuration of the HSRP on the left. The commands are used more than once. Not all commands are used.

Select and Place:

```

! switch1
interface vlan300
ip 209.165.200.226/27
hsrp 300
[ ]
[ ]
ip 209.165.200.225
[ ]

! switch2
interface vlan300
ip 209.165.200.227/27
hsrp 300
[ ]
[ ]
ip 209.165.200.225
[ ]

```

- mac-address 6000.6000.6000
- hsrp version 1
- priority 255
- hsrp use-bia
- priority 100
- hsrp version 2

Correct Answer:

```

! switch1
interface vlan300
ip 209.165.200.226/27
hsrp 300
[ ]
[ ]
ip 209.165.200.225
[ ]
[ ]
! switch2
interface vlan300
ip 209.165.200.227/27
hsrp 300
[ ]
[ ]
ip 209.165.200.225
[ ]
[ ]

```

- mac-address 6000.6000.6000
- hsrp version 1
- priority 255
- hsrp use-bia
- priority 100
- hsrp version 2



Section:

Explanation:

QUESTION 157

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

The logo for Vdumps, featuring a stylized orange 'V' followed by the word 'dumps' in a grey sans-serif font.

Correct Answer: D

Section:

QUESTION 158

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
```

Vdumps

Correct Answer: A

Section:

QUESTION 159

Cisco Nexus 9000 Series Switches are configured with LACP protocol and default aging timers. What is the impact on the LACP peer during an ISSU upgrade?

- A. The LACP peer connection terminates.
- B. The LACP peer session remains up.
- C. The LACP peer renegotiates the adjacency.
- D. The LACP peer connection resets.

Correct Answer: B

Section:

Explanation:

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/6-](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/6-x/interfaces/configuration/guide/b_Cisco_Nexus_9000_Series_NXOS_Interfaces_Configuration_Guide/b_Cisco_Nexus_9000_Series_NXOS_Interfaces_Configuration_Guide_chapter_0110.html)

[x/interfaces/configuration/guide/b_Cisco_Nexus_9000_Series_NXOS_Interfaces_Configuration_Guide/b_Cisco_Nexus_9000_Series_NXOS_Interfaces_Configuration_Guide_chapter_0110.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/6-x/interfaces/configuration/guide/b_Cisco_Nexus_9000_Series_NXOS_Interfaces_Configuration_Guide/b_Cisco_Nexus_9000_Series_NXOS_Interfaces_Configuration_Guide_chapter_0110.html)? ISSU and ungraceful switchovers are not supported with LACP fast timers.

QUESTION 160

A network architect must design an automation solution to initially support networking and also support the server infrastructure in the future. To keep configuration consistency, the network team requires a solution that enforces the desired state of the network and reverts any manual configuration. Which solution meets these goals?

- A. NX-API
- B. Ansible
- C. Terraform
- D. Puppet

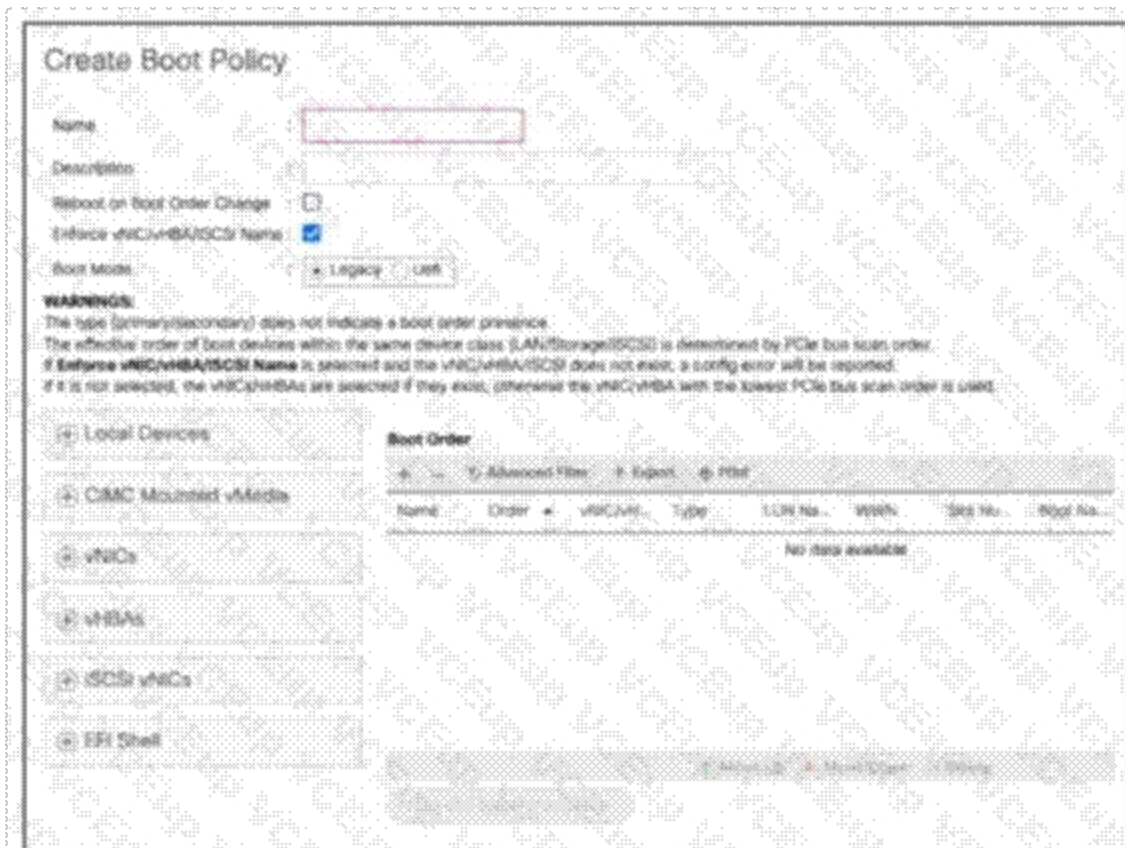
Correct Answer: D

Section:

QUESTION 161

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^HBA/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

Correct Answer: A, D
Section:

QUESTION 162

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

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

Correct Answer: A
Section:

QUESTION 163

An engineer must integrate Cisco ACI with a VMware vSphere environment. The requirement is to use a VMware Distributed Virtual Switch and to assign the encapsulation VLAN of the EPG from the VLAN pool. Which configuration set accomplishes this goal?



- A. Create a VMM domain association under the EPGs Create a VLAN pool with static allocated VLANs.
- B. Create a physical domain association under the EPGs Create a VLAN pool with static allocated VLANs.
- C. Create a physical domain association under the EPGs. Create a VLAN pool with oVnarmc allocated VLANs
- D. Create a VMM domain association under the EPGs Create a VLAN pool with dynamic allocated VLANs.

Correct Answer: D

Section:

QUESTION 164

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.

Correct Answer: C

Section:

QUESTION 165

Refer to the exhibit.

```
Switch1# show checkpoint summary
1) pim-checkpoint:
Created by admin
Created at Tue, 00:50:29 22 Jun 2021
Size is 24,855 bytes
User Checkpoint Summary
-----
Description: Created by Admin.

2) system-fm-pim:
Created by admin
Created at Tue, 00:08:57 22 Jun 2021
Size is 24,834 bytes
System Checkpoint Summary
-----
Description: Created by Feature Manager.
```



Which command must be used to restore configuration changes made by disabling the PIM feature and skipping any errors?

Refer to the exhibit. Which command must be used to restore configuration changes made by disabling the PIM feature and skipping any errors?

- A. rollback running-config checkpoint new-checkpoint stop-at-first-failure
- B. rollback running-config checkpoint new-checkpoint verbose
- C. rollback running-config checkpoint system-fm-pim-best-effort
- D. rollback running-config checkpoint system-fm-pim atomic

Correct Answer: C

Section:

QUESTION 166

An engineer troubleshoots an Fibre Channel deployment on a Cisco MDS 9000 Series Switch. What does this output indicate about port channel 1?

```
mds9509# show int po1
port-channel 1 is trunking
Hardware is Fibre Channel
Port WWN is 24:01:00:0d:ec:20:ba:00
Admin port mode is F, trunk mode is on
snmp link state traps are enabled
Port mode is TF
Port vsan is 1
Speed is 8 Gbps
Trunk vsans (admin allowed and active) (1,20)
Trunk vsans (up) (1,20)
Trunk vsans (isolated) ()
Trunk vsans (initializing) ()
5 minutes input rate 112 bits/sec, 14 bytes/sec, 0 frames/sec
5 minutes output rate 152 bits/sec, 19 bytes/sec, 0 frames/sec
25787798 frames input, 14359038212 bytes
0 discards, 0 errors
0 CRC, 0 unknown class
0 too long, 0 too short
23082 frames output, 1013152 bytes
0 discards, 0 errors
18 input OLS, 14 LRR, 29 NOS, 0 loop inits
17 output OLS, 0 LRR, 21 NOS, 0 loop inits
Member[1] : fc4/2
Member[2] : fc4/8
Interface last changed at Thu Mar 6 06:27:36 2020
```



- A. Port channel 1 is configured to be an ISL.
- B. Port channel 1 is configured to connect to a host bus adapter.
- C. Port channel 1 is configured to connect to an NPIV switch.
- D. Port channel 1 is configured to connect to an NPV switch.

Correct Answer: A

Section:

QUESTION 167

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

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

Correct Answer: C

Section:

QUESTION 168

An engineer deploys a new Cisco Nexus 5000 Series Switch in an existing environment with strict security policies. The new device should meet these requirements:
Secure end-user ports with minimum configuration effort.

Log security breaches and require manual recovery.
Retain the switch configuration if the device restarts.
Which configuration must be used?

A.

```
switchport port-security  
switchport port-security max 1  
switchport port-security violation shutdown
```

B.

```
switchport port-security  
switchport port-security violation shutdown  
switchport port-security mac-address dynamic
```

C.

```
switchport port-security  
switchport port-security max 1  
switchport port-security mac-address sticky
```

D.

```
switchport port-security  
switchport port-security violation restrict  
switchport port-security mac-address sticky
```

Correct Answer: C

Section:

QUESTION 169

An engineer must perform backup and restore of the Cisco UCS Manager configuration. The configuration must be stored on a remote server via XML encoding. The backup must store the configurations of the chassis, FEX, rack servers,

IOMs, and blade server. Which set of actions accomplishes these goals?

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

Correct Answer: A

Section:

QUESTION 170

An engineer must optimize ARP responses and reduce unnecessary ARP broadcasts over the VXLAN/EVPN fabric. Which action accomplishes these tasks?

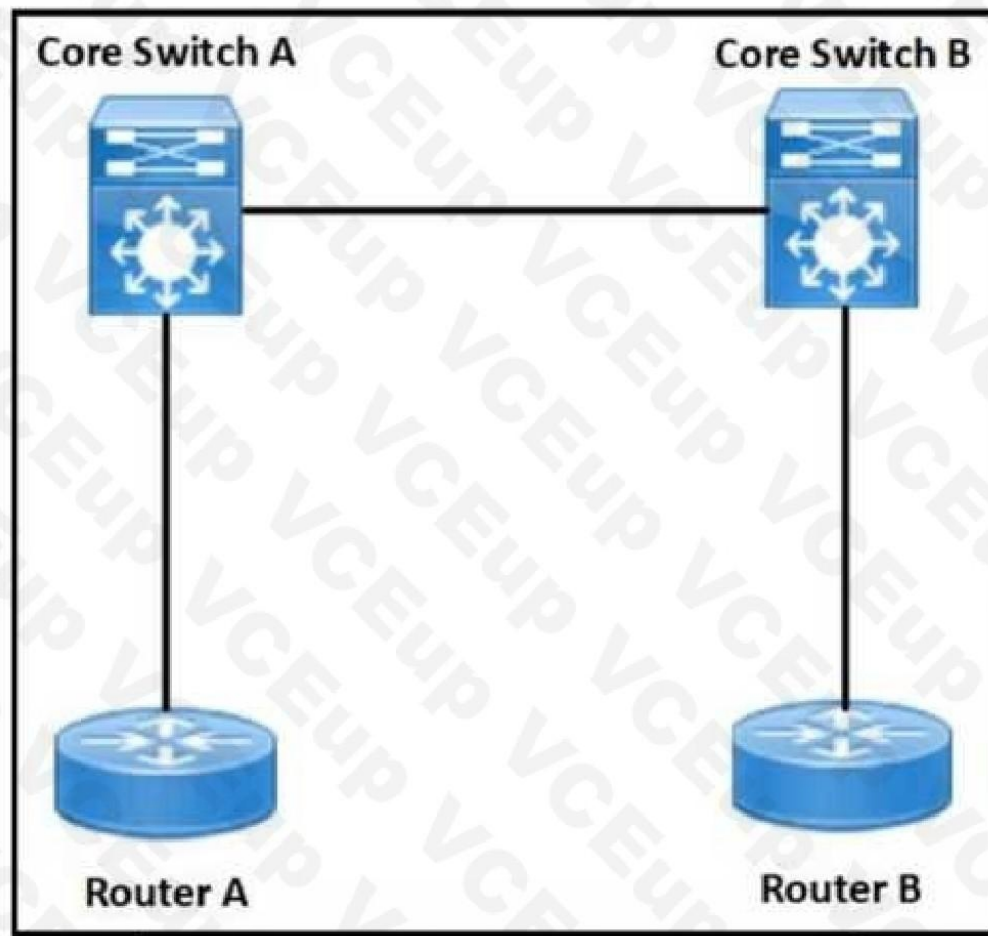
- A. Configure ip proxy-arp under the VLAN SVI associated with the VXLAN VNI.
- B. Configure ip proxy-arp within the VXLAN VNI configuration under the VTEP NVE interface.
- C. Configure suppress-arp within the VXLAN VNI configuration under the VTEP NVE interface.
- D. Configure suppress-arp under the VLAN SVI associated with the VXLAN VNI.

Correct Answer: C

Section:

QUESTION 171

Refer to the exhibit.



 **vdumps**

```
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?

B.

```
vrf context tenant1
  vni 10010
```

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

C.

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

D.



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

E.

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

Correct Answer: C

Section:

QUESTION 172

Refer to the exhibit.



Refer to the exhibit. An engineer must configure a QoS policy that controls only vHBA traffic. Which policy must be used to meet this requirement?

- A. Best Effort
- B. Fibre Channel
- C. Gold
- D. Platinum

Correct Answer: B

Section:

QUESTION 173

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

Correct Answer: A

Section:

QUESTION 174

A new user with access privileges in the Finance department moves to a new Admin department.

The user must have access privileges to the Admin department data and applications inside the Cisco UCS Manager Which set of changes must be implemented in Cisco UCS Central for the user to acquire the privileges?

- A. Create an Admin user account and remove the authentication service for the Finance privileges.
- B. Disable the Finance user account and add the authentication service for the Admin privileges.
- C. Create a new locale Admin and add the Admin department to the Admin locale. Delete the old locale
- D. Finance and remove the Finance department from the Finance locale.

Correct Answer: C

Section:

QUESTION 175

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

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

Correct Answer: C

Section:

QUESTION 176

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

- The interface must be disabled when the bit errors threshold is exceeded
- Buffer-to-buffer credits must be set to the maximum value
- The interface must have full bandwidth allocated for its port group Which command set configures a Fibre Channel interface that meets these requirements?

A.

```
interface fc1/1
switchport bit-errors
switchport fcrxbbcredit 220 mode Fx
switchport rate-mode dedicated
```

B.

```
interface fc1/1
switchport ignore bit-errors
switchport fcrxbbcredit 255 mode Fx
no switchport rate-mode
```

C.

```
interface fc1/1
no switchport ignore bit-errors
switchport fcrxbbcredit 255 mode Fx
switchport rate-mode dedicated
```

D.

```
interface fc1/1
no switchport bit-errors
switchport fcrxbbcredit 220 mode Fx
no switchport rate-mode
```

Correct Answer: A

Section:

QUESTION 177

An engineer must set access to Cisco IMC. The access must be allowed by logging onto the https//datacenter local web page The configuration presented is on the Cisco UCS C240 Series Server Which set of commands completes the configuration?

A.

```
Server# scope cimc
Server /cimc # scope network
Server /cimc/network # set vlan-enabled yes
Server /cimc/network *# set vlan-id 10
Server /cimc/network *# set vlan-priority 32
Server /cimc/network *# set dns-use-dhcp-enabled yes
Server /cimc/network *# commit
```

B.

```
Server# scope cimc
Server /cimc # scope network
Server /cimc/network # set dhcp-enabled yes
Server /cimc/network *# set v4-addr 192.168.1.10
Server /cimc/network *# set v4-netmask 255.255.255.0
Server /cimc/network *# set v4-gateway 192.168.1.12
Server /cimc/network *# commit
```

C.


```
Server# scope cimc
Server /cimc # scope network
Server /cimc/network # set dhcp-enabled yes
Server /cimc/network *# set v4-addr 192.168.1.10
Server /cimc/network *# set v4-netmask 255.255.255.0
Server /cimc/network *# set preferred-dns-server 192.168.3.20
Server /cimc/network *# commit
```

D.

```
Server# scope cimc
Server /cimc # scope network
Server /cimc/network # set vlan-enabled yes
Server /cimc/network *# set vlan-id 10
Server /cimc/network *# set vlan-priority 32
Server /cimc/network *# set preferred-dns-server 192.168.3.20
Server /cimc/network *# commit
```

Correct Answer: C

Section:

QUESTION 178

Refer to the exhibit.

```
switch1#show run interface Vlan 10

interface Vlan10
  description Service Datacenter-Rack-A
  ip address 209.165.200.225 255.255.255.224
!
end

switch1#
```



Refer to the exhibit An engineer must mirror the traffic on a switch The engineer locates the server port that requires monitoring on switch1, but the packet sniffer is on switch2 The engineer must configure the source IP address on switch1
Which command accomplishes this goal?

- A. monitor session 10 type erspan-source
- B. monitor erspan origin ip-address 209.165.200.225
- C. source ip 209.165.200.225
- D. source interface vbn512

Correct Answer: B

Section:

QUESTION 179

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

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

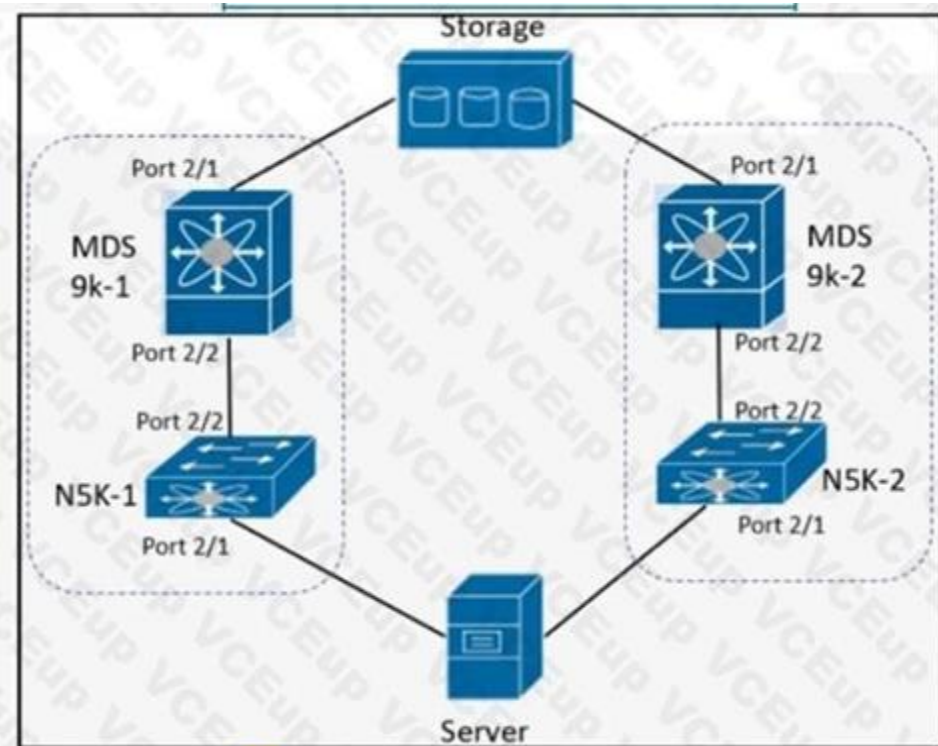
Correct Answer: A

Section:

QUESTION 180

DRAG DROP

Refer to the exhibit.



Vdumps

The server is sending traffic to the storage server using Fiber Channel protocol. The requirement is for the N5K-1 to forward traffic to MDS9k-1. Drag and drop the configuration steps from the right to complete the configuration for N5K-1 on the left. Not all configuration steps are used.

Select and Place:

N5K-1# configuration terminal	
N5K-1#(config)#	<input type="text"/>
N5K-1#(config)# interface fc 2/2	<input type="text"/>
N5K-1#(config-if)#	<input type="text"/>
N5K-1#(config-if)# no shutdown	<input type="text"/>
N5K-1#(config)#	<input type="text"/>
N5K-1#(config-if)#	<input type="text"/>
N5K-1#(config-if)# no shutdown	<input type="text"/>

Correct Answer:

N5K-1# configuration terminal	
N5K-1#(config)#	<input type="text" value="npv enable"/>
N5K-1#(config)# interface fc 2/2	<input type="text"/>
N5K-1#(config-if)#	<input type="text" value="switchport mode F"/>
N5K-1#(config-if)# no shutdown	<input type="text"/>
N5K-1#(config)#	<input type="text" value="interface fc 2/1"/>
N5K-1#(config-if)	<input type="text" value="switchport mode NP"/>
N5K-1#(config-if)# no shutdown	<input type="text"/>



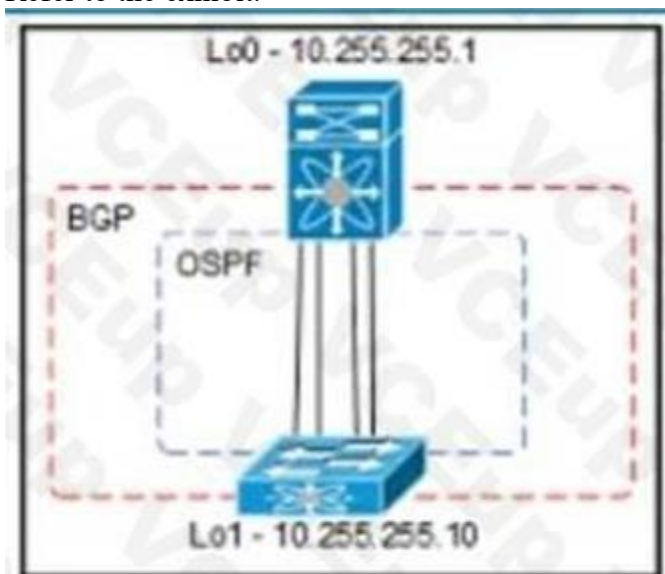
Section:

Explanation:

QUESTION 181

DRAG DROP

Refer to the exhibit.



Refer to the exhibit An engineer must provision a VXLAN deployment The OSPF has already been configured as the underlay protocol All BGP configurations will be performed using the template method The deployment must meet these requirements The local update source for leaf switches must be loopback 1 The router ID must be the local loopback IP address The external BGP connections must use a template name Drag and drop the configuration snippets from the bottom to complete the configuration

Select and Place:

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

10.255.255.1 inherit 65000
10.255.255.10 12vpn evpn

Correct Answer:

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

[] [] []
[] [] []



Section:

Explanation:

QUESTION 182

DRAG DROP

Drag and drop the NAS and NFS concepts from the left onto the definitions on the right.

Select and Place:

Data storage and file sharing requests are sent and received.	NFS
The protocol is regularly used on Linux and UNIX systems.	
Software is deployed on a lightweight OS that is embedded in the hardware.	NAS
The vendor-agnostic protocol is supported on any hardware and OS.	

Correct Answer:

	NFS
	Data storage and file sharing requests are sent and received.
	The protocol is regularly used on Linux and UNIX systems.
	NAS
	Software is deployed on a lightweight OS that is embedded in the hardware.
	The vendor-agnostic protocol is supported on any hardware and OS.

Section:

Explanation:

QUESTION 183

Refer to the exhibit.

```
WARNING: Retrying (Retry(total=0, connect=None, read=None, redirect=None,
status=None)) after connection broken by
'NewConnectionError('<pip._vendor.urllib3.connection.HTTPSConnection
object at 0x7f5b537c8f10>: Failed to establish a new connection: [Errno
-2] Name or service not known',)': /simple/markdown/
ERROR: Could not find a version that satisfies the requirement Markdown
(from versions: none)
ERROR: No matching distribution found for Markdown
```

An engineer runs a Python script from a newly enabled guest shell on a Cisco Nexus 93108 Series Switch. The script needs an additional package called 'Markdown' installed from the Python package manager. Which set of

tasks must the engineer perform to install the required package?

- A. Set the NAMESERVER variable in /etc/sysconfig/network. Clone the Markdown repository with the git clone command.
- B. Add nameserver configuration to /etc/resolv.conf. Run sudo chvrf management pip install Markdown.
- C. Enable ip domain-lookup in startup-config. Enter python install Markdown as root.
- D. Configure ip name-server in configuration mode. Execute sudo yum -y install Markdown.

Correct Answer: B

Section:

QUESTION 184

Refer to the exhibit.

The table below lists the roles supported by Cisco DCNM:

Role	Description
global-admin	Introduced in Cisco Nexus 5000 series switches and FCoE, a role to administrate LAN and SAN features.
network-admin	General role to administrate LAN features.
lan-network-admin	General role to administrate LAN features.
san-network-admin	General role to administrate SAN features.
san-admin	Introduced in Cisco Nexus 5000 series switches and FCoE, a role to administrate SAN features.
server-admin	Introduced in the FlexAttach feature, a role that administrates FC server host feature.
sme-admin	Introduced in the Storage Media Encryption (SME) feature, a role that administrates SME feature.
sme-stg-admin	Introduced in the Storage Media Encryption (SME)) feature, a role that administrates SME storage.
sme-kmc-admin	Introduced in the Storage Media Encryption (SME) feature, a role that administrates SME Key Management.
sme-recovery	Introduced in the Storage Media Encryption (SME) feature, a role that administrates SME recovery.
network-operator	General network operator role.
device-upg-admin	This role is added to perform operations only in Image Management window.
access-admin	This role is introduced to perform operations in Interface Manager window for all fabrics.

Table 2: DCNM Roles and Perspectives Mapping Table

Role	Perspective
global-admin	Admin Perspective
network-admin	
san-admin	
san-network-admin	
lan-network-admin (Web Client)	
server-admin	Server Admin Perspective
sme-admin	SME Perspective
sme-sgt-admin	
sme-kmc-admin	
sme-recovery	
network-operator	Operator Perspective
lan-network-admin (SAN Client)	
access-admin	
device-upg-admin	

An engineer is configuring Cisco Data Center Network Manager to automate the provisioning of Cisco Nexus 9000 Series Switches. The engineer must configure user access for network engineers to permit device operations in Interface Manager. The solution must hide Admin and Config Menu items in Interface Manager. Which two roles must be assigned to the network engineers to meet these requirements? (Choose two.)

- A. network-admin
- B. global-admin
- C. access-admin
- D. network-operator
- E. san-admin

Correct Answer: C, D

Section:

QUESTION 185

Refer to the exhibit. An engineer is performing a Cisco Nexus 3000 Series Switch configuration backup with a TFTP server that is reachable in the global routing table. Which action completes the scheduler configuration?

- A. Use the default VRF for the scheduler job.
- B. Configure the scheduler authentication password.
- C. Define the scheduler start time as required.
- D. Make the size of the job output lower than the size of the log file.

Correct Answer: C

Section:

QUESTION 186

An engineer must deploy a Cisco UCS C-Series Server with a single VIC 1455 integrated into a Cisco UCS Manager cluster. Two fiber connections are available, and the deployment has no fabric extenders. Which set of actions accomplishes this goal?

- A. Reset the system using Cisco IMC to its factory default settings. Attach VIC port 1 and 3 to Fabric Interconnects.
- B. Configure VIC attached ports as Uplink ports on fabric interconnects. Insert 1000Base-T RJ45 SFP in VIC port 1 and 3.
- C. Reset the system using Cisco IMC to its factory default settings. Insert 1000Base-T RJ45 SFP in VIC port 1 and 3.
- D. Configure VIC attached ports as Uplink ports on fabric interconnects. Attach VIC port 1 and 3 to Fabric Interconnects.

Correct Answer: A

Section:



QUESTION 187

An engineer must configure device aliases for a Cisco MDS 9000 Series Switches-based SAN fabric. The configuration must meet these requirements:

- * The engineer must be prompted before the changes are committed to the database.
- * Pending changes must be explicitly displayed on the console.

Which command accomplishes this task?

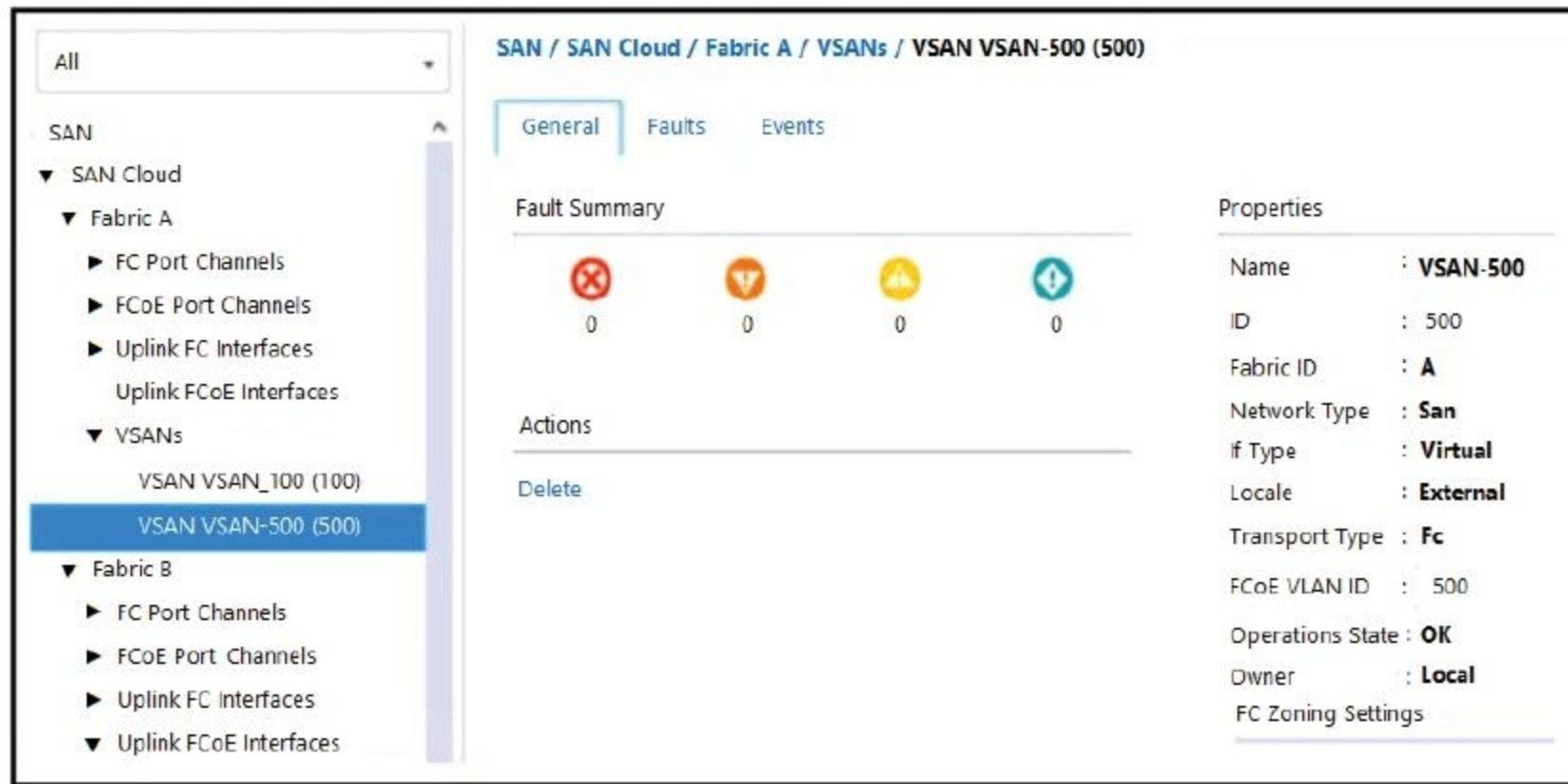
- A. device-alias enhanced
- B. device-alias commit
- C. device-alias confirm-commit
- D. device-alias distribute diffs-only

Correct Answer: C

Section:

QUESTION 188

Refer to the exhibit.



An engineer configures an FCoE connection between a Cisco UCS and a Cisco Nexus 9000 Series Switch. The UCS FI-A connects to the Nexus switch using interface e1/12. All relevant configurations have been completed on the Nexus switch to support FCoE deployment. Which action must be taken on Cisco UCS Manager to complete the configuration?

- A. Trunk VLAN 500 on interface e1/12.
- B. Create a Virtual Fibre Channel Interface.
- C. Change the Transport Type to FCoE.
- D. Configure an FCoE uplink interface.

Correct Answer: D

Section:

QUESTION 189

An engineer must configure a Cisco MDS 9000 Series Switch to store generated log messages to a file. The file must store logs of the severity of 'warning' and above, and the file size must not exceed 20,000 bytes. Which command accomplishes this task?

- A. logging logfile LogFile 5 size 2000
- B. logging logfile messages 2 size 2500
- C. logging logfile Local 4 size 20000
- D. logging logfile Logs 3 size 160000

Correct Answer: C

Section:

QUESTION 190

Refer to the exhibit.


```
for ns in /var/run/netns/*; do
  [redacted]
  ifconfig
done
```

An engineer must create a Bash script to run in the Cisco NX-OS Guest Shell. The script must loop through the available namespaces and output all registered interfaces. Which code snippet completes the script?

- A. `chvrf '$ns';`
- B. `echo '$ns';`
- C. `ifconfig '$ns';`
- D. `vrfinfo '$ns';`

Correct Answer: C
Section:

QUESTION 191

An engineer must automate the provisioning of Cisco ACI objects using the Terraform tool. The engineer must ensure that APIC counts the authentication login requests against the threshold to avoid a DOS attack. Which configuration must be used in Terraform to accomplish these goals?

- A. resources with user ID and password
- B. resources with signature-based authentication
- C. provider with user ID and password
- D. provider with signature-based authentication

Correct Answer: C
Section:



QUESTION 192

Refer to the exhibit.

```
1 configure terminal
2 scheduler job name BACKUP_JOB
3 cli copy running-config bootflash:/${NAME}.${TIMESTAMP}.cfg
4 exit
5 scheduler schedule name BACKUP_SCHEDULE
6 job name BACKUP_JOB
7 [redacted]
8 end
```

The Cisco NX-OS scheduler must run every day at 3:00 a.m. Which code snippet completes the script?

- A. `time start daily 3:00`
- B. `time start weekly 7 3:00`
- C. `time weekly 7 3:00`
- D. `time daily 3:00`

Correct Answer: D

Section:

QUESTION 193

An engineer must create a PowerShell script that leverages the Cisco UCS Manager PowerShell module to submit automated requests to Cisco UCS Manager. The engineer must automate the removal of switches from VLANs. Environment variables must provide the VLAN name and switch identifiers. The VLAN must persist when it is removed from the switch port. Which command must the engineer include in the script to accomplish these goals?

A)

```
Get-UcsApplianceCloud | Remove -UcsVlan -name $VLAN |  
Remove-UcsVlanMemberPort -SwitchId $SWID -SlotId  
$SLOT -PortId $PORT
```

B)

```
Get-UcsApplianceCloud | Get-UcsVlan -name $VLAN |  
Remove-UcsVlanMemberPort -SwitchId B -SlotId 1 -  
PortId 15
```

C)

```
Get-UcsApplianceCloud | Remove -UcsVlan -name $VLAN
```

D)

```
Get-UcsApplianceCloud | Get-UcsVlan -name $VLAN | Get-  
UcsVlanMemberPort -SwitchId $SWID -SlotId $SLOT -  
PortId $PORT | Remove-UcsVlanMemberPort -Force
```

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

Correct Answer: D

Section:

QUESTION 194

A network automation engineer must configure a Cisco NX-OS REST API on a Cisco 9000 Series Switch with these requirements:

- * NX-API REST and the DME database must be enabled.
- * The NX-API REST must listen for HTTP traffic on port 83.
- * The HTTPS certificate must be uploaded.

Which configuration set must be used to accomplish these goals?

- A. feature nxapi nxapi (tcp) port 83 nxapi certificate {https crt}
- B. feature nxapi nxapi (tcp) port 83 nxapi certificate {https crt} nxapi certificate enable

- C. feature nxapi nxapi {http} port 83 nxapi certificate {httpsCRT}
- D. feature nxapi nxapi {http} port 83 nxapi certificate {httpsCRT | httpskey} nxapi certificate enable

Correct Answer: D

Section:

QUESTION 195

An engineer implements an environment with multiple traffic types on a consolidated I/O link between Cisco Nexus 9000 Series Switch and MDS 9000 Series Switch. The configuration must meet these requirements:

- * The unified I/O link must support LAN and SAN traffic.
- * A single, multipurpose Ethernet transport must be used.
- * The configuration must discard MAC addresses that are not part of the current fabric.
- * The QoS markings must be preserved.

Which configuration set meets the requirements?

- A. MDS-A(config)# interface fcip4 - MDS-A(config-if)# use-profile 8 - MDS-A(config-if)# peer-info ipaddr 200.200.100.7
- B. N9K-2(config)# interface Eth2 - N9K-2(config-if)# switchport mode trunk N9K-2(config-if)# auto qos trust dscp
- C. MDS-B(config)# interface fc3 - MDS-B(config-if)# switchport trunk mode on MDS-B(config-if)# switchport trunk allowed vsan 2-5
- D. N9K-1(config)# fcoe fcmapping 0e.fc.1d N9K-1(config)# int vfc 1 - N9K-1(config-if)# bind interface e1/3

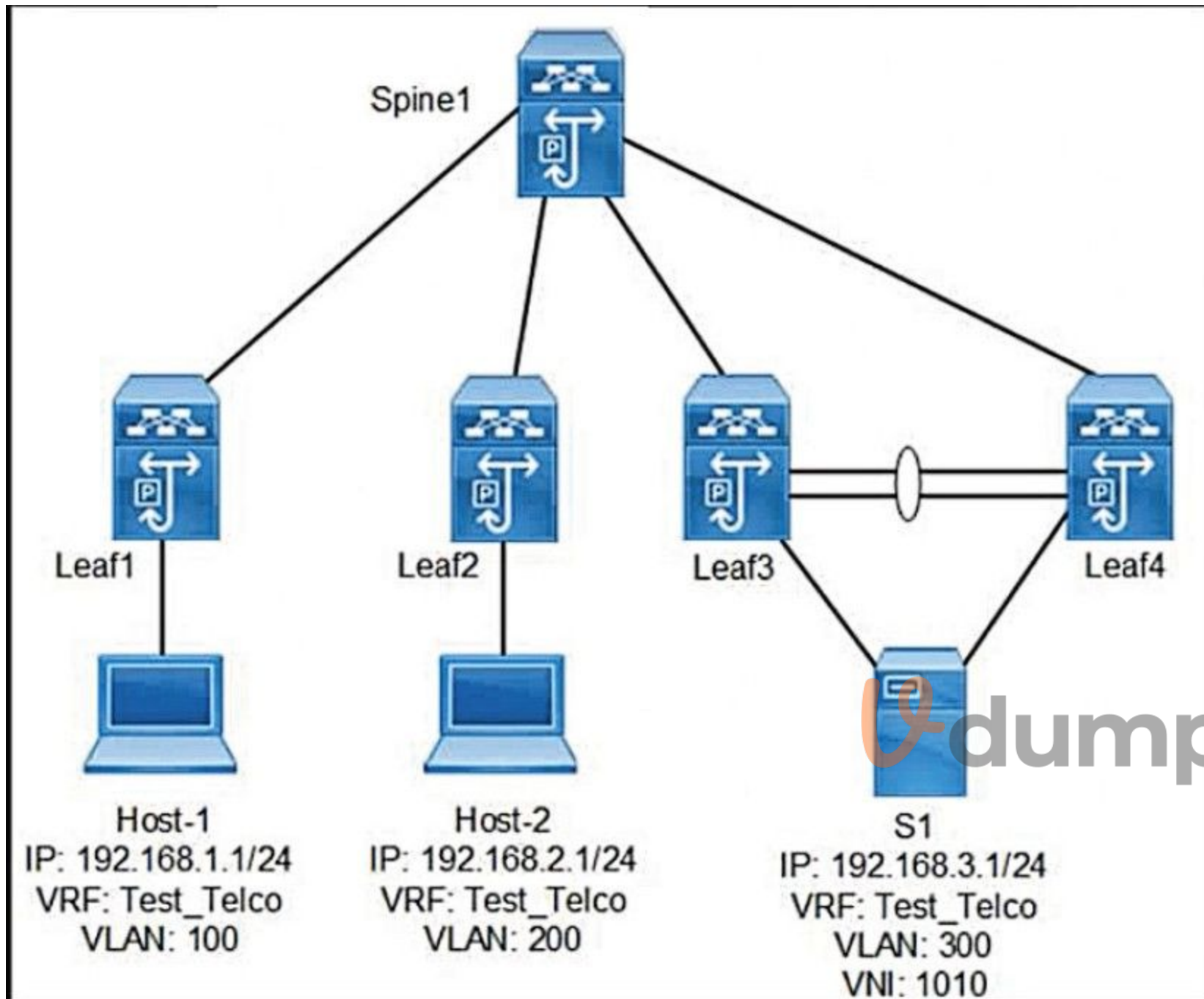
Correct Answer: A

Section:

QUESTION 196

Refer to the exhibit.





A VXLAN data center fabric consists of three hosts mapped to different VLANs. Ingress VTEPs perform Layer 2 bridging and Layer 3 routing. Egress VTEPs only perform a Layer 2 bridging lookup. Which VNI values must be set to allow inter-VNI communication?

- A. VLAN 100 to Layer 2 VNI 2020 - Test_Telco_VRF to Layer 3 VNI 5050
- B. VLAN 100 to Layer 2 VNI 2020 - VLAN 200 to Layer 2 VNI 5050
- C. VLAN 100 to Layer 2 VNI 2020 - Test_Telco_VRF to Layer 3 VNI 1010
- D. VLAN 100 to Layer 2 VNI 1010 - VLAN 200 to Layer 2 VNI 1010

Correct Answer: C

Section:

QUESTION 197

Refer to the exhibit.

```

1  [redacted] http://APIC-IP/api/node/mo/uni.json HTTP/1.1
2  Content-Type: application/json
3  Cache-Control: no-cache
4
5  {
6      "physDomP": {
7          "[redacted]": {
8              "name": "test_phy_dmn",
9              "dn": "uni/phys-test_phy_dmn"
10         },
11         "children": [{
12             "infraRsVlanNs": {
13                 "attributes": {
14                     "tDn": "uni/infra/vlanns-[test_vlan]-
15                     *
16                     dynamic"
17                 }
18             }
19         }
20     }
21 }

```

A network engineer must configure the physical domain and attach a VLAN pool to it. Which two commands accomplish this goal? (Choose two.)

- A. attributes
- B. PATCH
- C. GET
- D. POST
- E. variables

Correct Answer: C, D

Section:

QUESTION 198

An engineer must perform a configuration backup of an existing Cisco UCS Manager environment. The backup file must contain all vNIC, vHBA, and service profile template settings. Also, the engineer must validate the backup before import and requires an XML output format. Which backup type must be used to meet these requirements?

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

Correct Answer: C

Section:

QUESTION 199

An engineer is implementing VSANs on a Cisco MDS 9000 Series Switch with a native Fibre Channel. The deployment must meet these requirements:

* The host on port fc1/1 must be assigned to VSAN 10.

* The port channel 10 ISL must pass multiple VSANs, including VSAN 10.

Which configuration set meets these requirements?

- A. Activate VSAN 10 in the vFC interface. Associate VSAN 10 to interface vfc 1/1. Enable vsan F-port-channel-trunk on the ISL. Set encapsulation EISL on the switch port.
- B. Create VSAN 10 in the VSAN database. Bind VSAN 10 to interface fc1/1 in the VSAN database. Enable VSAN trunking on the ISL. Allow VSAN 10 on the ISL.
- C. Configure VSAN 10 in the interface configuration. Attach VSAN 10 to the VSAN database. Enable VSAN trunking on fc1/1. Filter all VSAN on the ISL.
- D. Disable VSAN 1 in the VSAN database. Assign VSAN 10 to the ISL. Enable VSAN trunking on the port channel members. Permit VSAN 10 in the FLOGI database.

Correct Answer: B

Section:

QUESTION 200

An engineer must perform a backup and restore in Cisco UCS to rebuild the system in a disaster recovery scenario. The backup file must be encrypted to prevent the passwords from being stored as clear text. Which backup configuration meets these requirements?

- A. Full state backup over TFTP
- B. Logical configuration backup over SCP
- C. System configuration backup over FTP
- D. All configuration backup over SFTP

Correct Answer: D

Section:

