

## Exam Questions 350-601

Implementing and Operating Cisco Data Center Core Technologies

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### NEW QUESTION 1

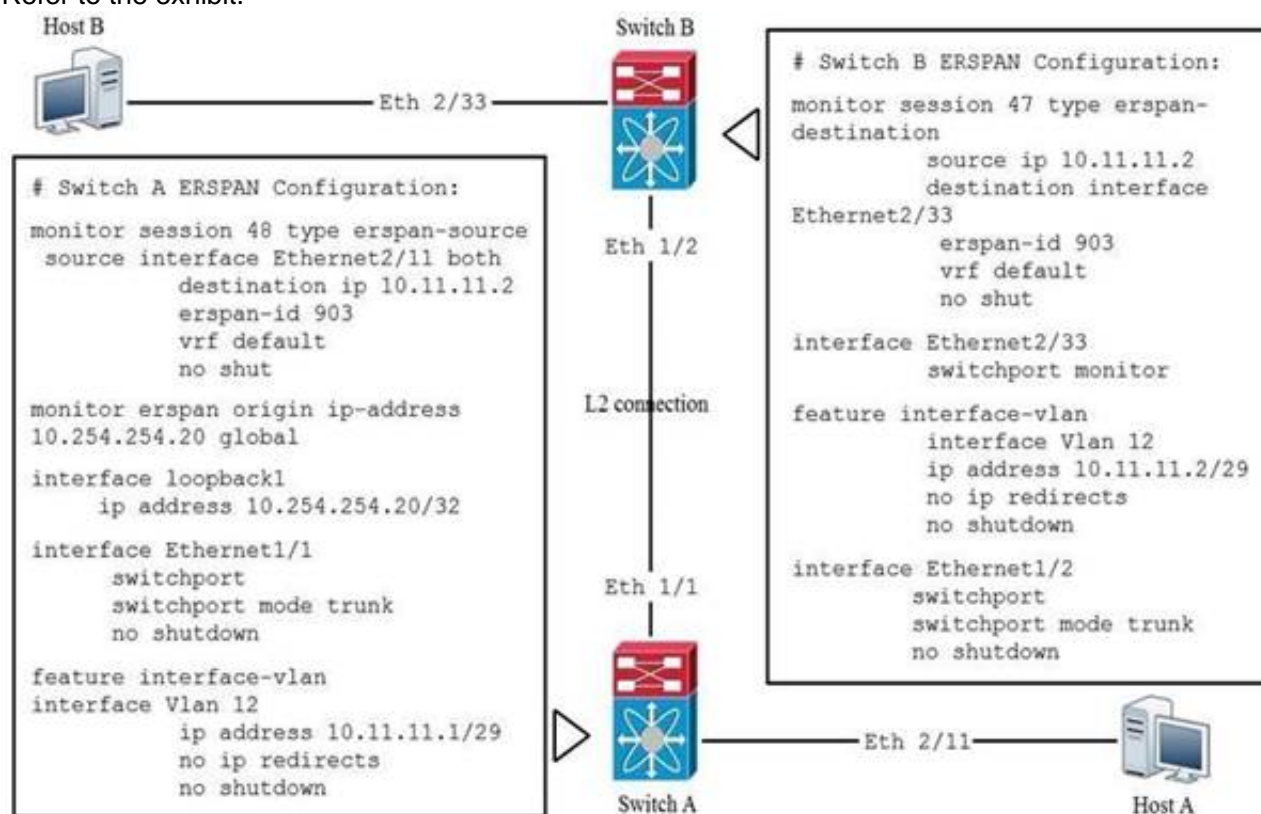
Which virtual MAC address is the default for HSRP version 2 group 10?

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

Answer: B

### NEW QUESTION 2

Refer to the exhibit.



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

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

Answer: D

### NEW QUESTION 3

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

A. Nexus-1:

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

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

Nexus-2:

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

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

B.

Nexus-1:

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

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

Nexus-2:

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

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

C. Nexus-1:

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

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

Nexus-2:

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

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

D. Nexus-1:

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

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

Nexus-2:

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

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



Answer: B

#### NEW QUESTION 4

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

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

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

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

DC2:  
**interface Overlay1**  
**otv extend-vlan 200**

C. DC1:  
**interface Overlay1**  
**otv extend-vlan 100**

DC2:  
**interface Overlay2**  
**otv extend-vlan 200**

D. DC1:  
**interface Overlay1**  
**otv extend-vlan 100**

DC2:  
**interface Overlay1**  
**otv extend-vlan 200**

Answer: A

#### NEW QUESTION 5

Which configuration implements static ingress replication?

A. **interface nve 1**  
**member vni 3716135**  
**ingress-replication protocol bgp**

B. **interface nve 1**  
**member vni 3716135**  
**peer vtep 10.0.0.4**

C. **interface nve 1**  
**member vni 3716135**  
**peer vtep 10.0.0.4**  
**ingress-replication protocol static**  
**peer-ip 10.0.0.4**

- D. **interface nve 1**  
**member vni 3716135**  
**ingress-replication protocol static**  
**peer-ip 10.0.0.4**

Answer: D

#### NEW QUESTION 6

Refer to the exhibit.

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

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

- 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**
- C. **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**
- D. **interface Overlay200**  
**otv join-interface Ethernet1/2**  
**otv extend-vlan 178. 2500-2563**  
**otv adjacency-server unicast-only**

Answer: C

#### NEW QUESTION 7

APIC EPG Resolution Immediacy is set to "Immediate".

Which statement is true about the Deployment Immediacy for VMM domains associated to EPGs?

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

Answer: A

#### NEW QUESTION 8

What happens to the default host firmware policy after a Cisco UCS Manager upgrade?

- A. It is assigned to all the service profiles that include a host firmware policy.
- B. It is replaced by a new default policy without any firmware entries.
- C. It is set to match the host firmware policy.
- D. It is updated to contain the firmware entries of all the components.

**Answer:** A

#### NEW QUESTION 9

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

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

**Answer:** AE

#### NEW QUESTION 10

Refer to the exhibit.



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

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

**Answer:** AC

#### NEW QUESTION 10

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

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

**Answer:** C

#### NEW QUESTION 15

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

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

**Answer:** B

#### NEW QUESTION 17

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

**Answer: B**

#### NEW QUESTION 20

When the default firmware package is set to a new version, which type of policy determines the timing of server reboots during the firmware upgrade?

- A. diagnostics
- B. maintenance
- C. local disk
- D. BIOS

**Answer: B**

#### NEW QUESTION 22

An engineer changed a configuration and must perform a rollback.

Which statement applies to a Cisco Nexus 5600 Series Switch?

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

**Answer: A**

#### NEW QUESTION 25

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

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

**Answer: AB**

#### NEW QUESTION 26

Multiple roles are applied to a user on the Cisco MDS 9000 Series Switch.

Which statement is true?

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

**Answer: B**

#### NEW QUESTION 31

Refer to the exhibit.

```
CISCO-UCS-A# scope org /
CISCO-UCS-A /org* # create service-profile Ciscos 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. unique system generated
- B. allocated from a UUID pool
- C. vendor assigned
- D. based on the hardware

Answer: B

#### NEW QUESTION 36

Refer to the exhibit.

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

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

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

Answer: A

#### NEW QUESTION 39

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

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

Answer: B

#### NEW QUESTION 42

DRAG DROP

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

Select and Place:

expensive and complex to manage
moderately expensive and simple to configure
most resilient, highly scalable, and high-performance storage
appliance providing file system access
lacks scalability, performance, and advanced features

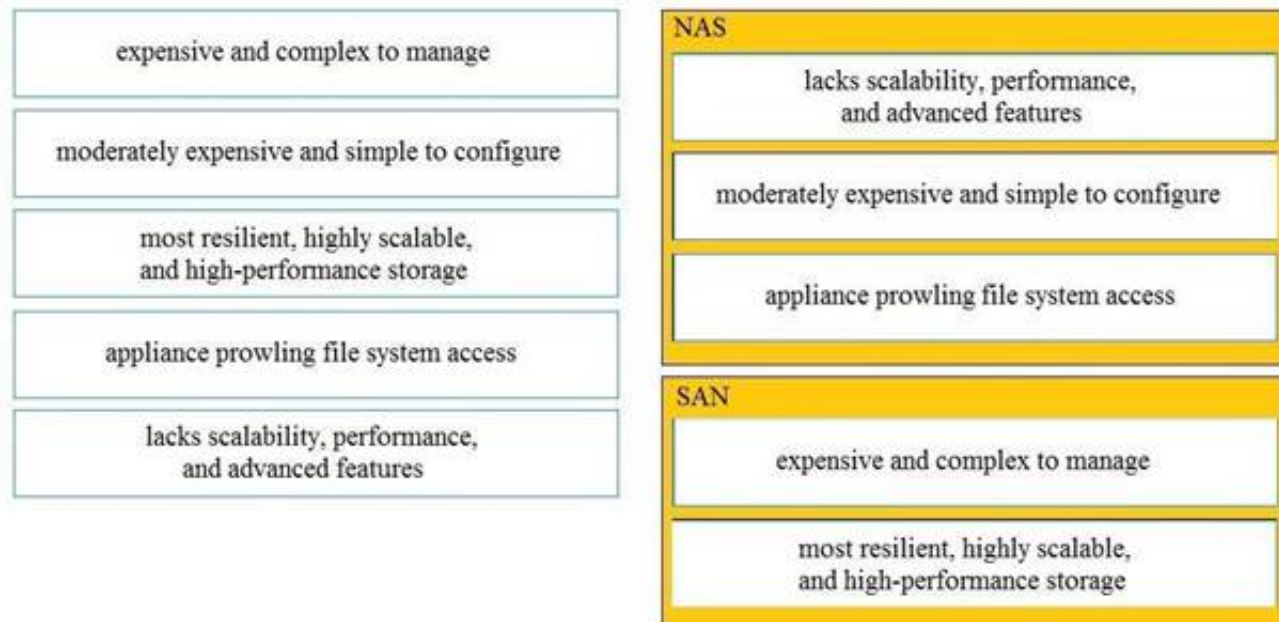
NAS
SAN

- A. Mastered
- B. Not Mastered

Answer: A



**Explanation:**



**NEW QUESTION 47**

An engineer is implementing FCoE.

Which aspect of DCBXP on a Cisco Nexus switch affects this implementation?

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

**Answer:** A

**NEW QUESTION 51**

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

- A. Cisco Tetration
- B. Cisco Data Center Network Manager
- C. Cisco ACI
- D. Cisco UCS Manager

**Answer:** B

**NEW QUESTION 55**

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

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

**Answer:** AB

**NEW QUESTION 56**

Which statement about monitoring Fibre Channel traffic on a Cisco UCS 6332 Fabric Interconnect is true?

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

**Answer:** A

**NEW QUESTION 60**

Which two statements about modifying Cisco UCS user accounts are true? (Choose two.)

- A. Disabling a user account maintains all of the data in the Cisco UCS Fabric Interconnect.
- B. The admin account can be used to log on by using SSH only.
- C. The password of the user account must contain a minimum of 10 characters.
- D. Local user accounts override the same account on a remote authentication server, such as TACACS, RADIUS, or LDAP.
- E. The password of the user account expires in 30 days.

**Answer:** AD

#### NEW QUESTION 64

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

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

**Answer:** B

#### NEW QUESTION 68

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 open-source tool meets this requirement?

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

**Answer:** C

#### NEW QUESTION 70

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

**Answer:** B

#### NEW QUESTION 75

What is an advantage of using Ansible for automation as compared to Puppet and Chef?

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

**Answer:** A

#### NEW QUESTION 79

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

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

**Answer:** D

#### NEW QUESTION 84

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

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

**Answer:** AB

#### NEW QUESTION 88

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

**Answer:** A

#### NEW QUESTION 91

A network architect is asked to design and manage geographically distributed data centers across cities and decides to use a Multi-Site Orchestrator deployment. How many orchestrators should be deployed?

- A. 5
- B. 3
- C. 4
- D. 2

**Answer:** B

#### NEW QUESTION 96

Which feature must be enabled to support the use of JSON and XML encodings when a Cisco Nexus 7000 Series Switch is deployed?

- A. Bash shell
- B. NX-API
- C. Open Agent Container
- D. LLDP

**Answer:** B

#### NEW QUESTION 99

DRAG DROP

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

san-operator	System Defined
global-admin	
server-admin	
storage-admin	
network-admin	User Defined
network-operator	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

san-operator	System Defined
global-admin	
server-admin	
storage-admin	User Defined
network-admin	
network-operator	

#### NEW QUESTION 101

DRAG DROP



An engineer is implementing security on the Cisco MDS 9000 switch.  
Drag and drop the descriptions from the left onto the correct security features on the right.  
Select and Place:

can be distributed via fabric services	Fabric Binding	Target 1
uses the Exchange Fabric Membership Data protocol		Target 2
allows a preconfigured set of Fibre Channel devices to logically connect to SAN ports	Port Security	Target 3
prevent unauthorized switches from joining the fabric or disrupting current fabric operations		Target 4

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

can be distributed via fabric services	Fabric Binding	uses the Exchange Fabric Membership Data protocol
uses the Exchange Fabric Membership Data protocol		allows a preconfigured set of Fibre Channel devices to logically connect to SAN ports
allows a preconfigured set of Fibre Channel devices to logically connect to SAN ports	Port Security	can be distributed via fabric services
prevent unauthorized switches from joining the fabric or disrupting current fabric operations		prevent unauthorized switches from joining the fabric or disrupting current fabric operations

#### NEW QUESTION 106

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 kr2016UCS-A /keyring # create certreq 10.68.68.68 sjc2016UCS-A /keyring\* # commit-buffer
- B. UCS-B # scope keyring kr2016UCS-B /keyring # create certreq ip 10.68.68.68 subject-name sjc2016 UCS- B /keyring\* # commit-both
- C. UCS-B# scope securityUCS-B /security # scope keyring kr2016UCS-B /security/keyring # set certreq 10.68.68.68 sjc2016UCS-B /security/keyring\* # commit-both
- D. UCS-A# scope securityUCS-A /security # scope keyring kr2016UCS-A /security/keyring # create certreq ip 10.68.68.68 subject-name sjc2016 UCS- A /security/keyring\* # commit-buffer

Answer: D

#### NEW QUESTION 110

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

- A. Port security can be enabled only globally and affects all VSANs.
- B. Any devices currently logged in must be added manually to the device database.
- C. Auto-learning is always enabled automatically when port security is enabled.
- D. Cisco Fabric Services must be disabled before enabling port security.

Answer: C

#### NEW QUESTION 113

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

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

Answer: D

#### NEW QUESTION 115

Refer to the exhibit.

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

What is the result of implementing this configuration?

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

**Answer: D**

#### NEW QUESTION 119

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