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QUESTION 1

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

A. Nexus-1:

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

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

Nexus-2:

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

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



B. Nexus-1:

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

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

Nexus-2:

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

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

C. Nexus-1:

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

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

Nexus-2:

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

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

D. Nexus-1:

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

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

Nexus-2:

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

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



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

Correct Answer: B

QUESTION 2

DRAG DROP

An engineer configures the netflow feature on a Cisco NX-OS device. The requirement is to reduce the amount of export data collected by using a sampler. Drag and drop the netflow configuration steps from the left onto implemented needed to meet these requirements on the right. Not all steps are used.

Select and Place:

Apply a sampler with a flow monitor to the interface	Step 1
Enable the NetFlow feature	Step 2
Define a flow monitor	Step 3
Apply a sampler with a flow record to the interface	Step 4
Define a flow record	
Apply a flow record to the interface	

Correct Answer:



Apply a sampler with a flow monitor to the interface	Enable the NetFlow feature
	Define a flow record
	Define a flow monitor
Apply a sampler with a flow record to the interface	Apply a flow record to the interface

QUESTION 3

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

1.
Establish adjacency to the remote peer by using multicast.
2.
Enable OTV advertisements for VLAN 100 to the other site.

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

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

Correct Answer: DE

QUESTION 4



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

Which two command sets configure the SPAN session that meets these requirements? (Choose two.)

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

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

Correct Answer: AE

<https://www.cisco.com/c/en/us/products/collateral/switches/nexus-5000-series-switches/white-paper-c11-733022.html>

The information to be sent is regarding dropped packets only.

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

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

QUESTION 5

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

QUESTION 6

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: D

QUESTION 7

Refer to the exhibit.



LAN / Traffic Monitoring Sessions / Fabric A / Monitor Session test-span

General | Faults | Events

Actions	Properties
Set Destination	Name : test-span
Clear Destination	Admin State : <input checked="" type="radio"/> Enabled <input type="radio"/> Disabled
Delete	Destination : sys/switch-A/slot-1/switch-ether/port-17
	Admin Speed : <input type="radio"/> 1 Gbps <input checked="" type="radio"/> 10 Gbps <input type="radio"/> 40 Gbps
	Operational State : Down
	Operational State Reason : No Sources Configured
	Configuration Success : Yes
	Configuration Failure Reason :
	Sources

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

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

Correct Answer: D

https://www.cisco.com/en/US/docs/unified_computing/ucs/sw/gui/config/guide/141/UCSM_GUI_Configuration_Guide_141_chapter45.html

Guidelines and Recommendations for Traffic Monitoring

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

- You can create and store up to 16 traffic monitoring sessions, but only two can be active at the same time.
- A traffic monitoring session is disabled by default when created. To begin monitoring traffic, you must activate the session.
- To monitor traffic from a server, add all vNICs from the service profile corresponding to the server.
- To monitor traffic from a VM, you must first determine the identity of the dynamic vNIC assigned to the VM. Follow the procedure in to find the vNIC and view its identity properties, then add the vNIC as a source for the monitoring session. If you later move the VM using VMotion, a new dynamic vNIC is assigned and you must reconfigure the monitoring source.
[Viewing Dynamic vNIC Properties in a VM](#)
- You can monitor Fibre Channel traffic using either a Fibre Channel traffic analyzer or an Ethernet traffic analyzer. When Fibre Channel traffic is monitored using an Ethernet traffic monitoring session, with an Ethernet destination port, the destination traffic will be FCoE.
- Because a traffic monitoring destination is a single physical port, a traffic monitoring session can monitor only a single fabric. To monitor uninterrupted vNIC traffic across a fabric failover, you must create two sessions—one per fabric—and connect two analyzers. Add the vNIC as the traffic source for both sessions.
- All traffic sources must be located within the same switch as the destination port.
- A port configured as a destination port cannot also be configured as a source port.
- A member port of a port channel cannot be configured individually as a source. If the port channel is configured as a source, all member ports are source ports.

QUESTION 8

Which two components are used by the Cisco Nexus switches telemetry process? (Choose two)



- A. data encoding
- B. data manipulation
- C. telemetry agent
- D. telemetry compression
- E. data collection

Correct Answer: AE

QUESTION 9

```
switch# show radius-server
Global RADIUS shared secret:*****
retransmission count:5
timeout value:10
following RADIUS servers are configured:
  myradius.cisco.users.com:
    available for authentication on port:1812
    available for accounting on port:1813
  172.22.91.37:
    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: Server5 on auth-port 1812, acct-port 1813
  group Group5:
```

Refer to the exhibit. 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 fallback error local
- D. aaa authentication login default group local

Correct Answer: C

Reference: https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/6-x/security/configuration/guide/b_Cisco_Nexus_9000_Series_NX-OS_Security_Configuration_Guide/b_Cisco_Nexus_9000_Series_NXOS_Security_Configuration_Guide_chapter_0111.html

QUESTION 10

Refer to the exhibit.

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

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

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

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

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

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

- A. system configuration



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

Correct Answer: A

https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/cli/config/guide/1-0-2/b_CLI_Config_Guide_1-0-2/CLI_Config_Guide_1-0-2_chapter29.pdf

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

```
Enter the configuration method. (console/gui) ? console
Enter the setup mode; setup newly or restore from backup. (setup/restore) ? restore
NOTE:
  To configure Fabric interconnect using a backup file on a remote server,
  you will need to setup management interface.
  The management interface will be re-configured (if necessary),
  based on information stored in the backup file.

Continue to restore this Fabric interconnect from a backup file (yes/no) ? yes
Physical Switch Mgmt0 IPv4 address : 192.168.10.10
Physical Switch Mgmt0 IPv4 netmask : 255.255.255.0
IPv4 address of the default gateway : 192.168.10.1

Enter the protocol to get backup file (scp/ftp/tftp/sftp) ? scp
Enter the IP address of backup server: 20.10.20.10
Enter fully qualified backup file name: Backup.bak
Enter user ID: user
Enter password:
Retrieved backup configuration file.
Configuration file - Ok

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

QUESTION 11

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



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

Correct Answer: D

QUESTION 12

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

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

Correct Answer: B

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

Introduction

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

QUESTION 13

An engineer installed a new Nexus switch with the mgm0 interface in vrf management. Connectivity to the rest of the network needs to be tested from the guest shell of the NX-OS. Which command tests connectivity from the shell of the NXOS?



```
[guestshell@guestshell ~]$ ping 173.37.145.84 vrf management
[guestshell@guestshell ~]$ chvrf management ping 173.37.145.84
[guestshell@guestshell ~]$ iping vrf management ip 173.37.145.84
[guestshell@guestshell ~]$ dohost "ping vrf management 173.37.145.84"
```

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

Correct Answer: B

QUESTION 14

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

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

Correct Answer: B

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_01001.html

- **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.

QUESTION 15

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: CD

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