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Exam : **350-601**

Title : Implementing Cisco Data Center Core Technologies (350-601 DCCOR)

Vendor : Cisco

Version : DEMO

NO.1 An engineer must monitor the traffic from the uplink Ethernet port. The traffic must be sent to an analyzer connected to interface Eth1/5 of the fabric interconnect. Which configuration must be set on the destination interface to meet this requirement?

A. unconfigured

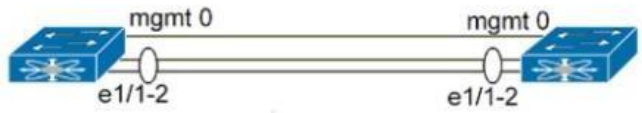
B. server

C. uplink

D. appliance

Answer: C

NO.2




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

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

Refer to the exhibit. Which action completes the vPC domain implementation?

A. Allow VLANs on the vPC peer link member interfaces.

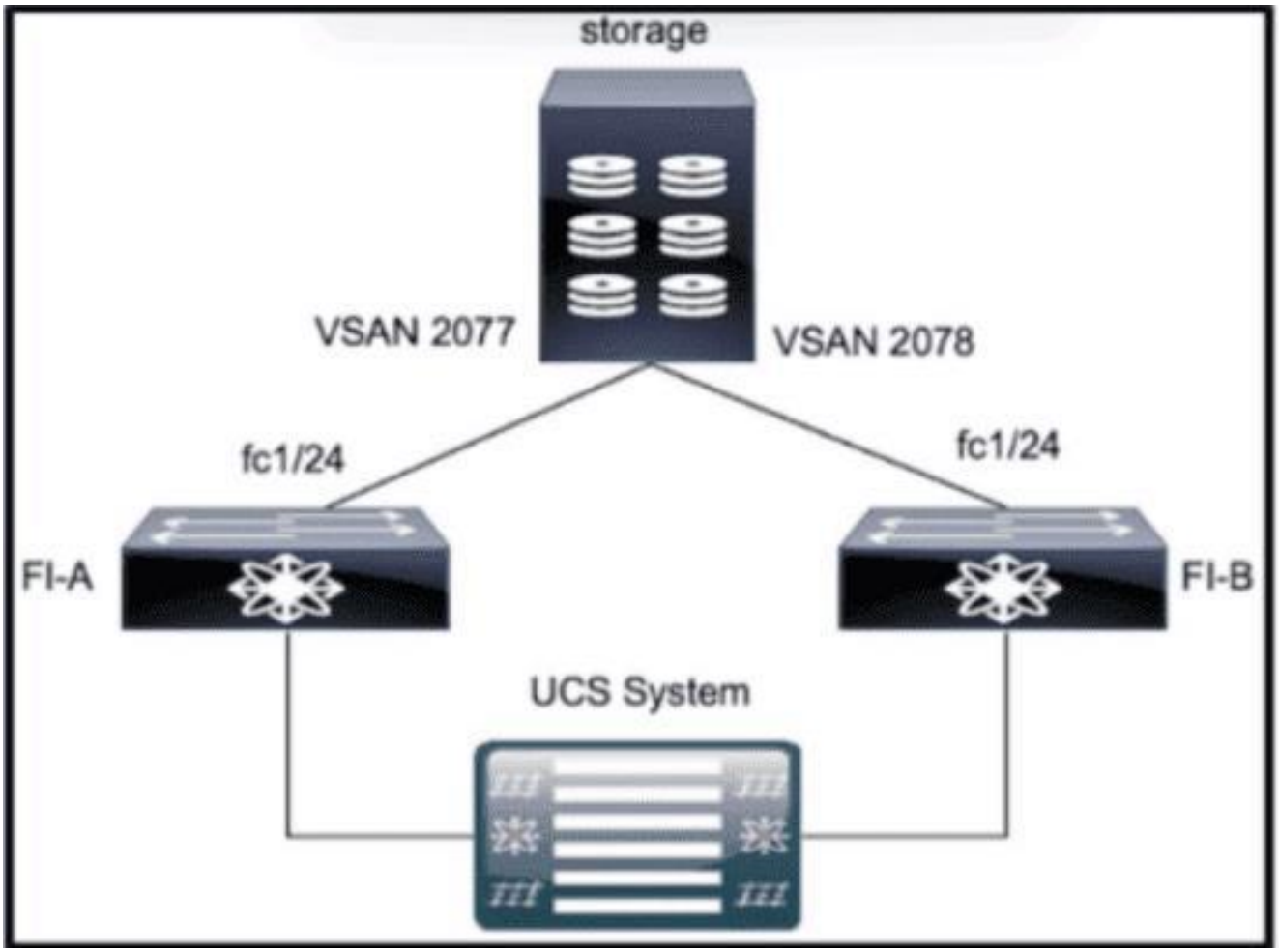
B. Include the VRF management on the vPC domain.

C. Configure the system MAC on the vPC domain.

D. Add the vPC member ports to the vPC channel group.

Answer: D

NO.3



Refer to the exhibit. VSAN 2077 has been configured as the primary path. Which configuration must be implemented to allow the Cisco UCS system to enable zoning while the device neighbor allows communication using port FC1/24 to the servers?

A. Configure FI in Fibre Channel switching mode and port (d/24 as an FCoE uplink port.

B. Configure FI in Fibre Channel switching mode and port fd/24 as a network uplink port.

C. Configure FI in Fibre Channel switching mode and port fd/24 as a Fibre Channel storage port.

D. Configure FI in Fibre Channel end-host mode and port fd/24 as an appliance port.

Answer: D

NO.4 An engineer must allow in-band Cisco IMC profile configuration and deploy local storage policies for disks and LUNs. Which set of permissions must be used for a user profile to permit these actions?

A. operations org-management

B. ls-network fault

C. ext-lan-config ls-compute

D. pn-equipment power-mgmt

Answer: C

NO.5 Refer to the exhibit. A traffic collector virtual machine is installed inside the Cisco UCS server. The collector must monitor traffic that is received on G1/2 with ERSPAN. Which set of actions must be taken to send the traffic to the traffic collector?

A. Configure ERSPAN. Configure a source session on Cisco UCS Manager.
B. Configure SPAN. Configure a source session on the SW1 switch.
C. Configure ERSPAN. Configure a source session on the SW1 switch.
D. Configure SPAN. Configure a source session on Cisco UCS Manager.
Answer: C

NO.6 Refer to the exhibit An engineer must restrict users assigned to the sangroup role on the Cisco MDS 9000 Series Switch from issuing commands on VSANs 15 to 20 Which command must the engineer run to achieve this objective?

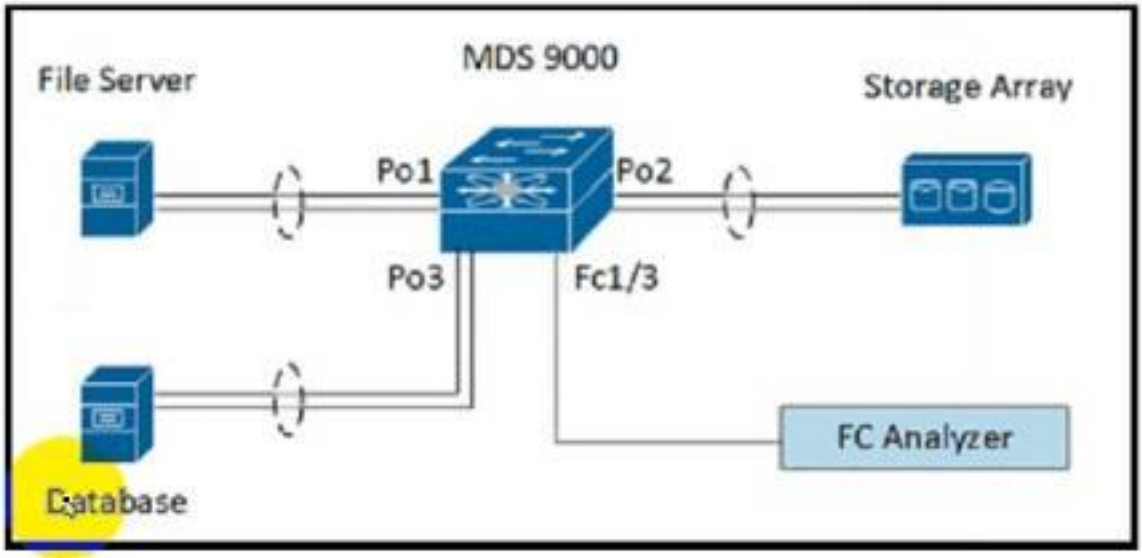
```
Role: sangroup
  Description: SAN management group
  vsan policy: deny
  Permitted vsans: 10-30

  ----------------------------------------------
  Rule    Type    Command-type      Feature
  ----------------------------------------------
    1.   permit    config                  *
    2.     deny    config               fspf
    3.   permit     debug               zone
    4.   permit      exec             fcping
```

Refer to the exhibit. An engineer must restrict users assigned to the sangroup role on the Cisco MDS 9000 Series Switch from issuing commands on VSANs 15 to 20. Which command must the engineer run to achieve this objective?

- `vsan policy deny vsan 15-20`
- `no permit vsan 15-20`
- `permit vsan 15-20`
- `no vsan policy deny`

A. vsan policy deny vsan 15-20
B. no permit vsan 15-20
C. permit vsan 15-20
D. no vsan policy deny
Answer: A

NO.7



```
interface port-channel 1
  channel mode active
interface port-channel 2
  channel mode active
interface fc1/1-2
  channel-group 1
  no shutdown
interface fc1/4-5
  channel-group 2
  no shutdown
interface fc1/7-8
  channel-group 3
  no shutdown
vsan database
  vsan 100 name fabric1
  vsan 100 interface port-channel 1
  vsan 100 interface port-channel 2
  vsan 100 interface port-channel 3
```

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

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

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

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

MDS-9000(config)# span session 1
MDS-9000(config-span)# destination interface vsan 100
MDS-9000(config-span)# source interface port-channel 1
```

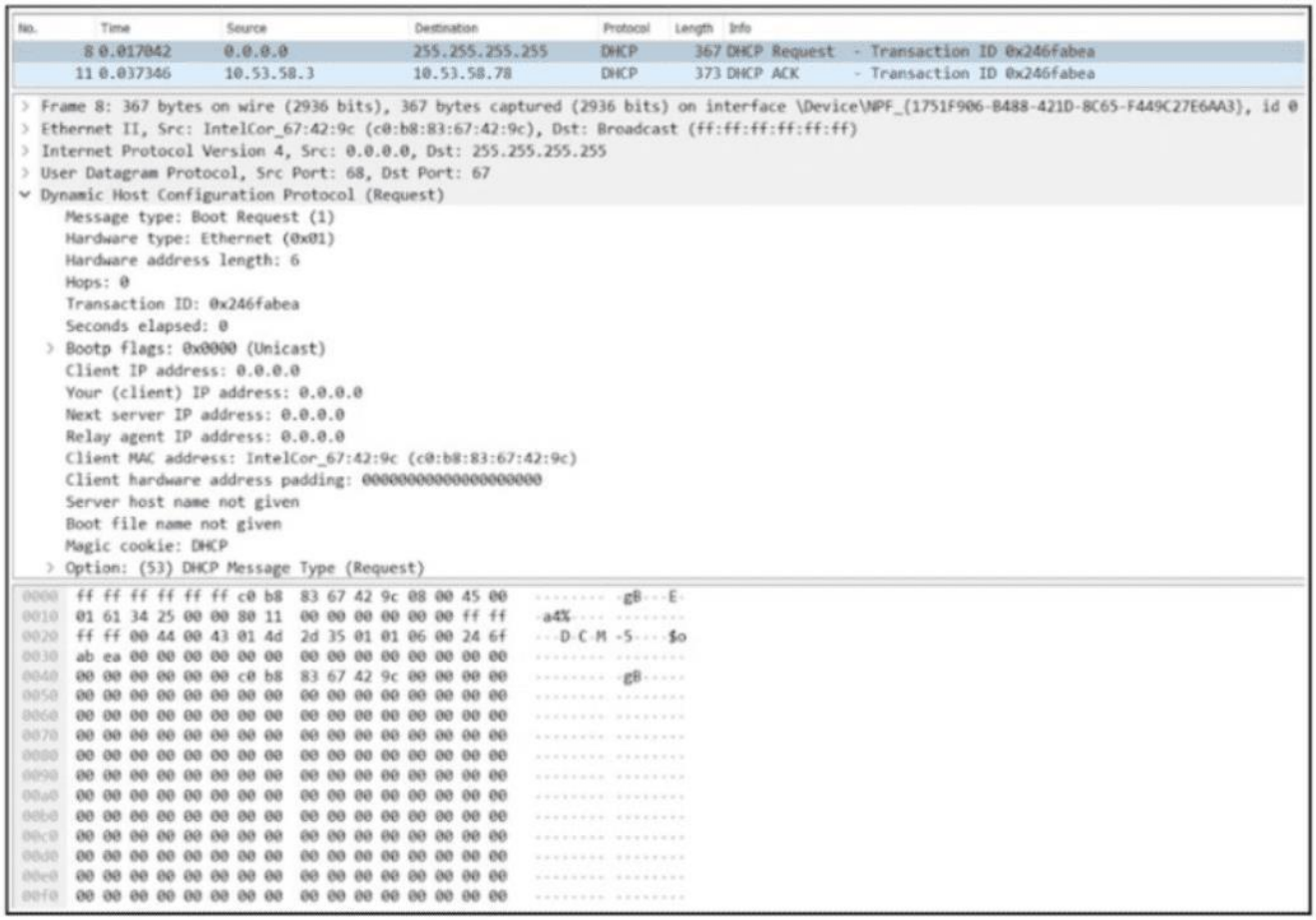
A. Option A

B. Option B

C. Option C
D. Option D
Answer: A

NO.8 An engineer requires a solution to automate the configuration and deployment of remote network devices for a customer. The engineer must keep these considerations in mind
* The customer ' s environment is based on industry-accepted standards and requires a solution that meets these standards.
* The security requirements mandate the use of a secure transport mechanism between the automation software and target devices such as SSH or TLS.
* The solution must be implemented using a human-readable language and provide the functionality to format data in XML or JSON.
Which solution must be used to meet these requirements?
A. Ansible
B. SNMP
C. REST API
D. NETCONF
Answer: D

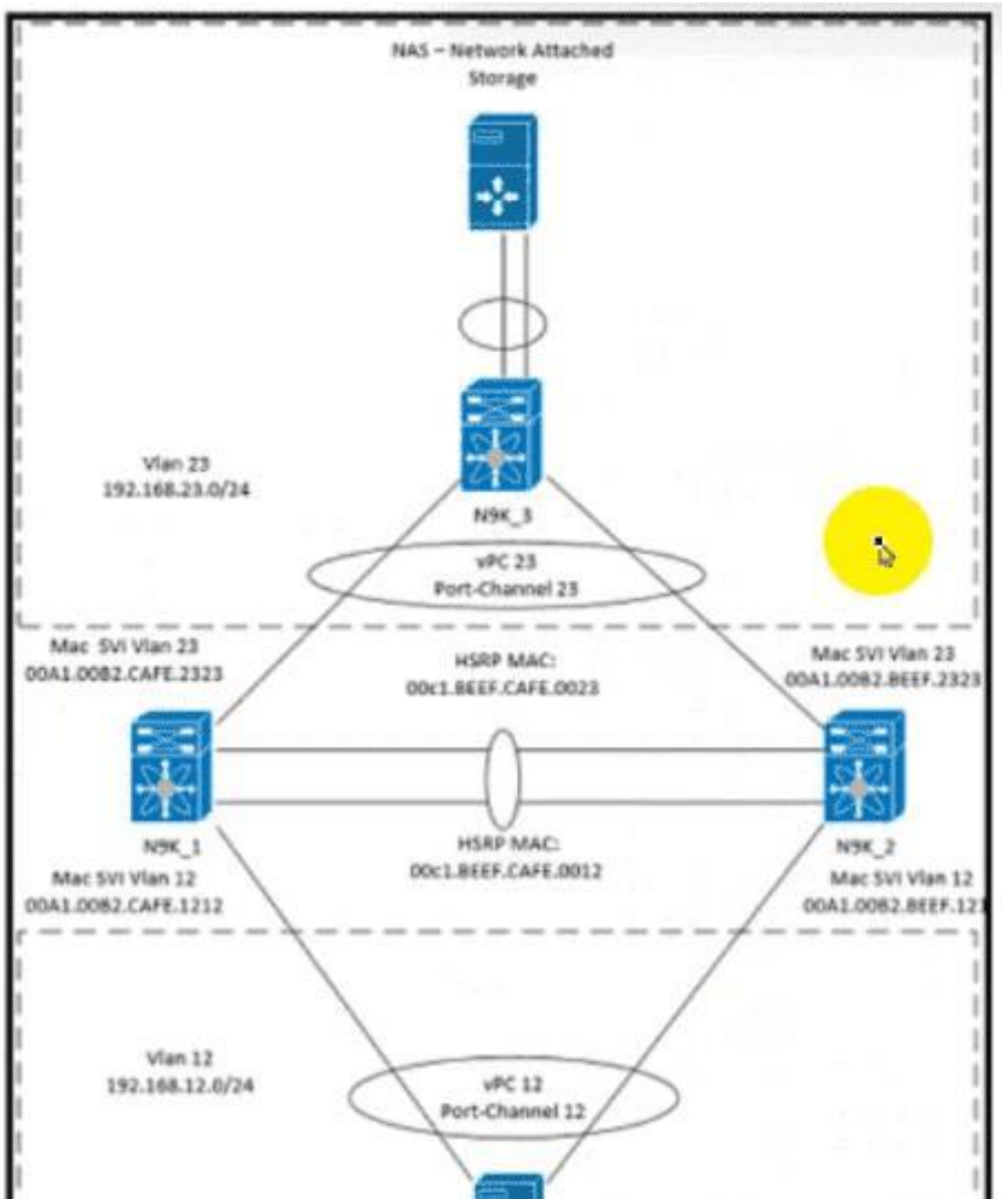
NO.9



Refer to the exhibit An engineer analyzes a Wireshark packet flow between a PC and a DHCP server What occurs in the packet flow?
A. The PC sends an anycast asking for an IP address

B. The PC receives IP address 10 53 58.3 from the DHCP server.
C. The PC sends a broadcast asking for an IP address.
D. The PC sets its IP address to 0 0 0.0 because no DHCP server is available
Answer: A

NO.10



Refer to the exhibit. A Cisco data center environment is implemented with vPC. The web server replies using the SVI MAC address as the Layer 2 header instead of the HSRP MAC address on VLAN 23. This behavior causes packet drops on the Cisco Nexus 9000 Series Switches due to the vPC loop prevention mechanism The requirement is for the vPC feature to allow N9K_1 and N9K_2 to forward traffic between the NAS server and the web server, even if the HSRP ' s MAC address is not used on

Layer 2 headers for VLAN 23. Which feature must be used to accomplish this goal?

A. Peer Gateway

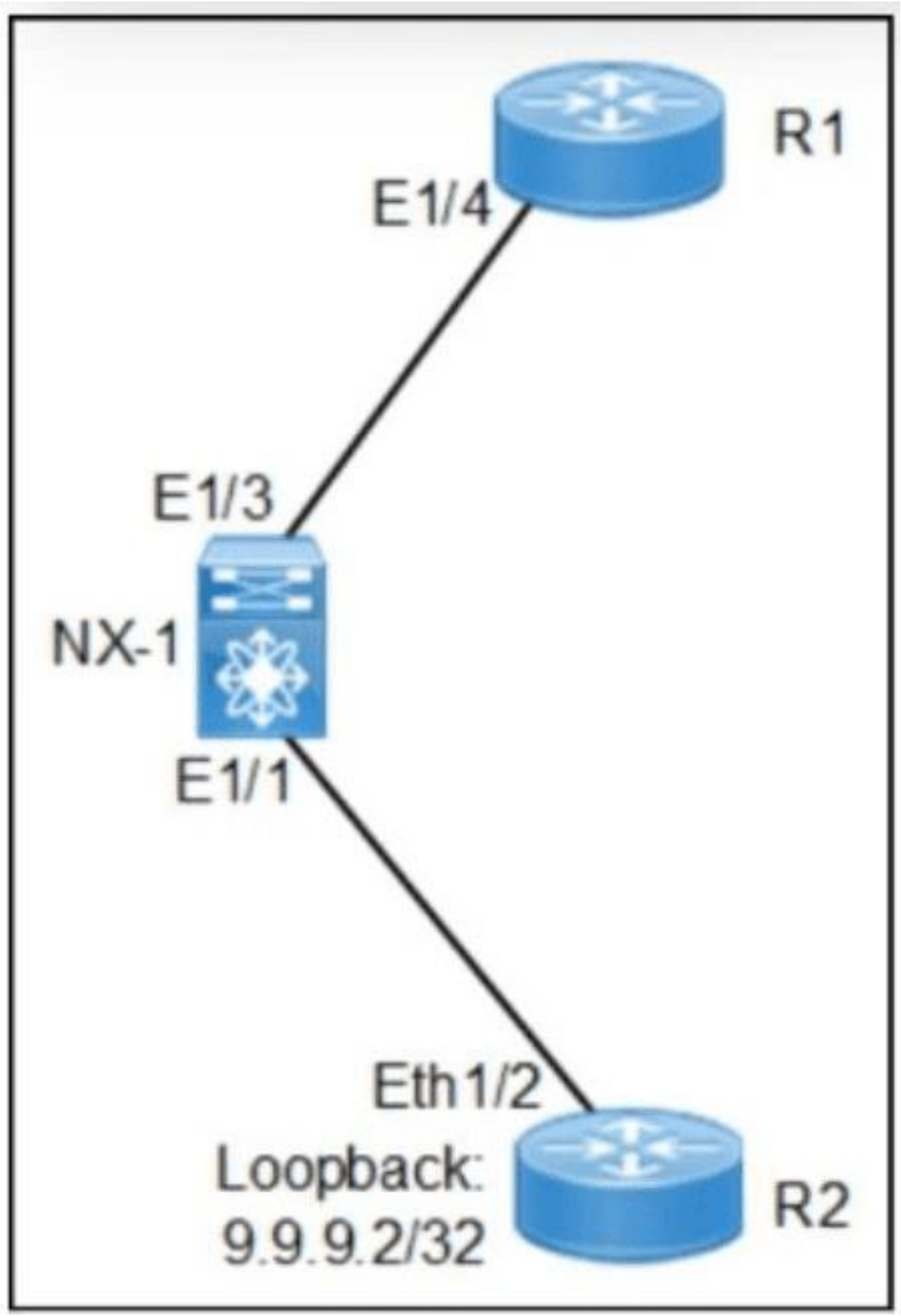
B. ARP Sync

C. L3 Peer Router

D. Object Tracking

Answer: A

NO.11



Refer to the exhibit. An engineer must configure NX-I to accept only packets that exist in the routing table with the 9.9.9.2/32 source IP address and that are reachable via interface Eth 1/1. Which attribute to the ip verify unicast source command is needed to meet these requirements?

A. interlace Elh1/2 with rx keyword
B. interface Eth1/2 with allow-default keyword
C. interface Eth1/1 with allow-default keyword
D. interface Eth1/1 with rx keyword
Answer: D

NO.12 Which data interchange format is presented in this output?


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


A. XML
B. YAML
C. JSON
D. CSS
Answer: C

NO.13 company is running a pair of cisco Nexus 7706 series switches as part of a data center segment. All network engineers have restricted read-Write access to the core switches. A network engineer must a new FCoE VLAN to allow traffic from services toward FCoE storage. Which set of actions must be taken to meet these requirements?
A. 1. Create a user-defined role and add the required privileges.2. Assign a role to a user.
B. 1. Add the required privilege to the VDC-admin role.2. Commit the changes to the active user database.
C. 1. Modify a network-operator role and add the required privileges.2. Assign a VDC-operator role to a user.

D. 1. Assign the network-admin role to a user.2. Commit the role to the switch to the active user database.

Answer: A

NO.14 An engineer is implementing VSAN 10 on multiple Cisco Nexus 5600 Series Switches and must ensure that the full zone set and active zone set are identical across the fabric. Which configuration must be implemented to meet this requirement?

A. switch(config)# zoneset distribute vsan 10

B. switch(config)#zoneset activate name ZONE10 vsan 10

C. switch(conftg)# zoneset distribute full vsan 10

D. switch(config)# zone-attribute-group name ATTR1 vsan 10

Answer: B

NO.15 A company plans to migrate some of its services to the cloud. The company does not want to manage or control the underlying cloud infrastructure. It also wants to maintain control over the deployment of its applications and configuration settings of the application-hosting environment. Which cloud service model meets these requirements?

A. Platform as a Service

B. Function as a Service

C. Infrastructure as a Service

D. Software as a Service

Answer: A

NO.16 A QoS policy on Cisco UCS must meet mese requirements:

* No-drop class must be configured

* Jumbo frames must be enabled without fragmentation.

Which configuration must be implemented to meet mese conditions?

A. Configure Platinum System class and specify an MTU value of 9100 bytes.

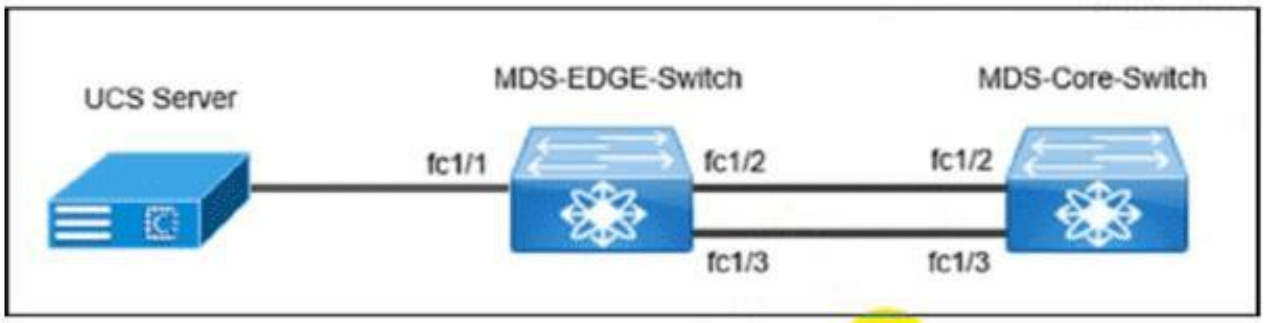
B. Configure slow-drain timers and specify an MTU value of 9100 bytes.

C. Create a Flow Control Policy and specify an MTU value of 9000 bytes.

D. Create a QoS system class and specify an MTU value of 9216 bytes.

Answer: D

NO.17




```
MDS-EDGE-SWITCH(config)# npv traffic-map server-interface
fc1/1 external-interface fc1/3

fc1/1: External interface list should contain the one in use
```

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

A. Disable the NPV feature in the MDS-EDGE-Switch.Re-enable the NPV feature.Disable interface fc1/1.

B. Disable the NPIV feature in the MDS-EDGE-Switch.Re-enable the NPIV feature.Disable interface fc1 /3.

C. Shut down fc1/1 in the MDS-EDGE-Switch.Re-apply the command.Enable interface fc1/1.

D. Shutdown fc1/3 in the MDS-EDGE-Switch.Re-apply the command.Enable interface fc1/3.

Answer: C

NO.18 Which file service protocol allows the files to appear locally mapped to the client and provides view, store, and update capabilities on a remote Linux-based storage repository that also serves as a distributed file system standard for NAS?

A. NFS

B. FTP

C. iSCSI

D. CIFS

Answer: D

NO.19 Which technology enables RDMA functionality over Ethernet between multiple broadcast domains?

A. RoCEv1

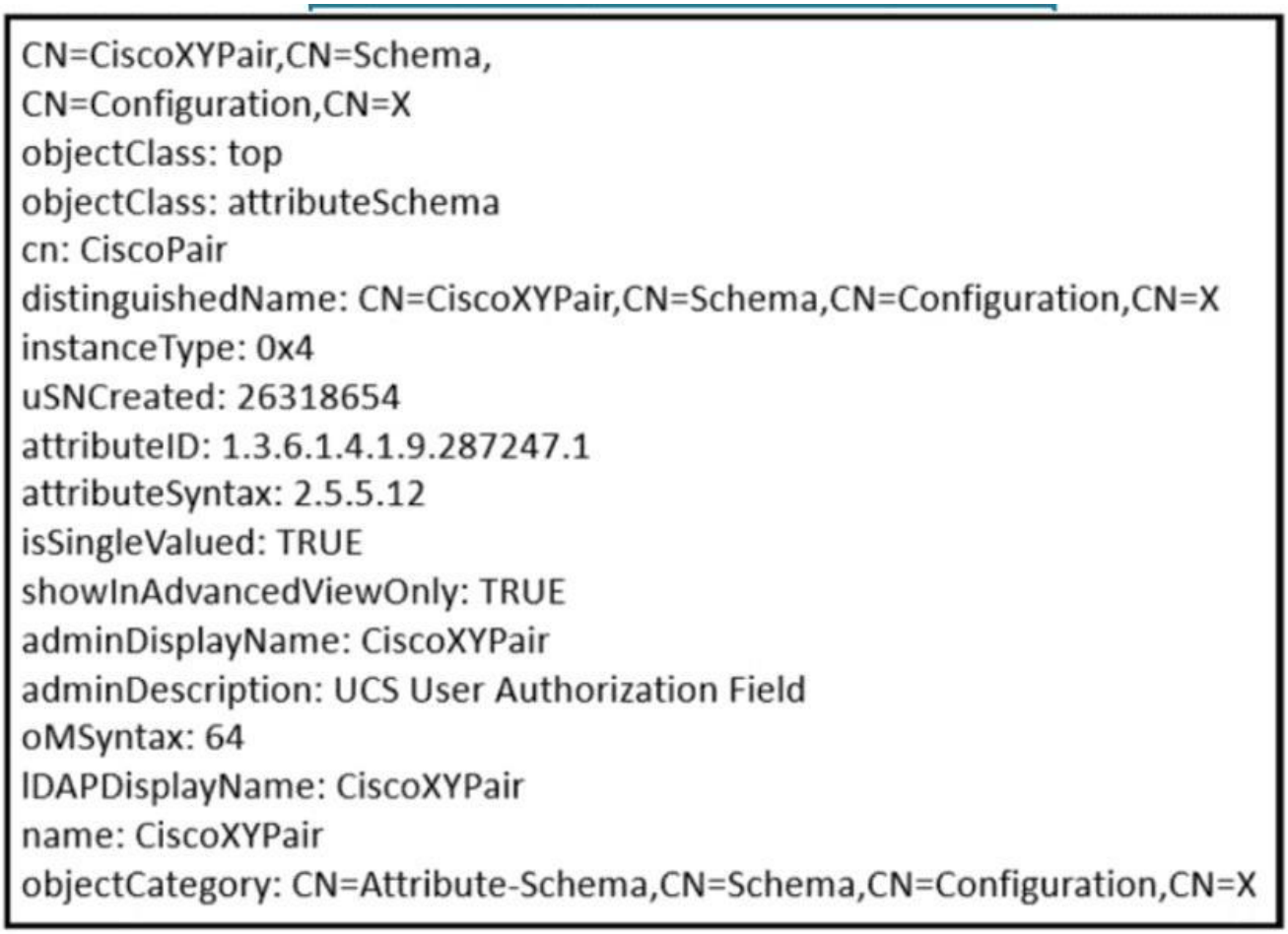
B. iWARP

C. NVMe-oF

D. RoCEv2

Answer: D

NO.20



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

* Two-factor authentication must be enabled for all UCS user authentication.
* All AAA packets must be encrypted and use TCP port 49 to establish communication.

Which set of actions needs these requirements?

Create the LDAP provider.
Change the LDAP group rule in an LDAP provider.

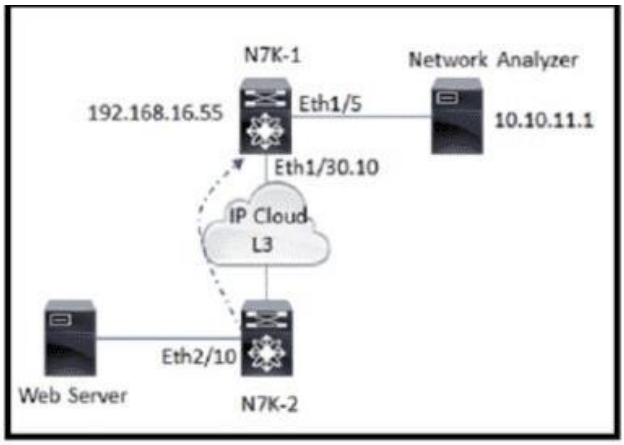
Create the RADIUS group mapping.
Change the RADIUS group rule in a RADIUS provider.

Remove the LDAP provider.
Create a TACACS+ provider in user management.

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

A. Option A
B. Option B
C. Option C
D. Option D
Answer: C

NO.21




```
! ERSPAN Source Configuration
N7k-2(config)# monitor session 1 type erspan-source
N7k-2(config-erspan-src)# erspan-id 100
N7k-2(config-erspan-src)# vrf default
N7k-2(config-erspan-src)# destination ip 192.168.16.55
N7k-2(config-erspan-src)# source interface ethernet 2/10
N7k-2(config-erspan-src)# no shut
N7k-2(config-erspan-src)# exit
N7k-2(config)# monitor erspan origin ip-address 192.168.16.10 global
```

Refer to the exhibit. An engineer is implementing an ERSPAN configuration to mirror web server traffic connected to N7K-2. Which ERSPAN configuration must be applied on N7K-1 to forward traffic to the network analyzer?

```
monitor session 1 type erspan-destination
  source vlan 10
  destination interface ethernet 1/5
  erspan-id 100
  vrf default
  no shut
```

```
monitor session 1 type erspan-destination
  source ip 192.168.16.55
  destination interface ethernet 1/5
  erspan-id 100
  vrf default
  no shut
```

```
monitor session 1 type erspan-destination
  source interface ethernet 1/30
  destination ip 10.10.11.1
  erspan-id 100
  vrf default
  no shut
```

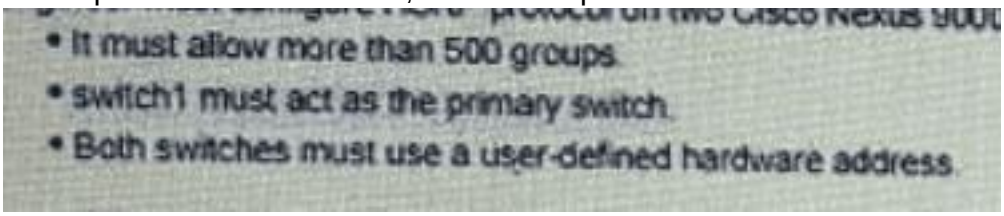
```
monitor session 1 type erspan-destination
  source interface ethernet 1/30.10
  destination interface ethernet 1/30
  erspan-id 100
  vrf default
  no shut
```

A. Option A
B. Option B
C. Option C
D. Option D
Answer: B

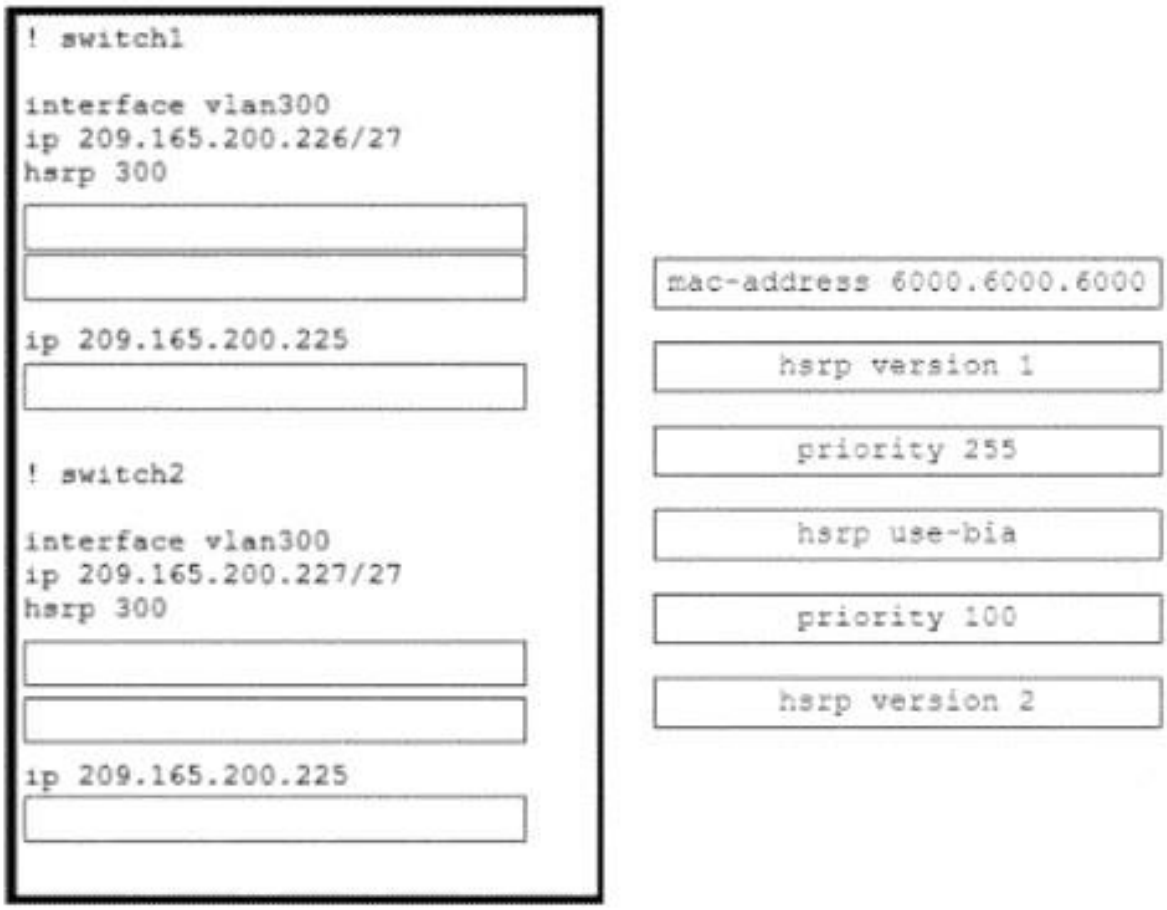
NO.22 A service profile in Cisco UCS Manager must be configured with these requirements:
* Cisco UCS Manager must identify the interfaces on the VMware ESXi host that connect to the Cisco ACI fabric switches.
* The vNIC must support traffic management when congestion occurs.
Which two policies meet these requirements? (Choose two.)
A. vNIC/vHBA Placement
B. Network Control
C. Serial Over LAN
D. LAN Connectivity
E. QoS
Answer: A D

NO.23 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:

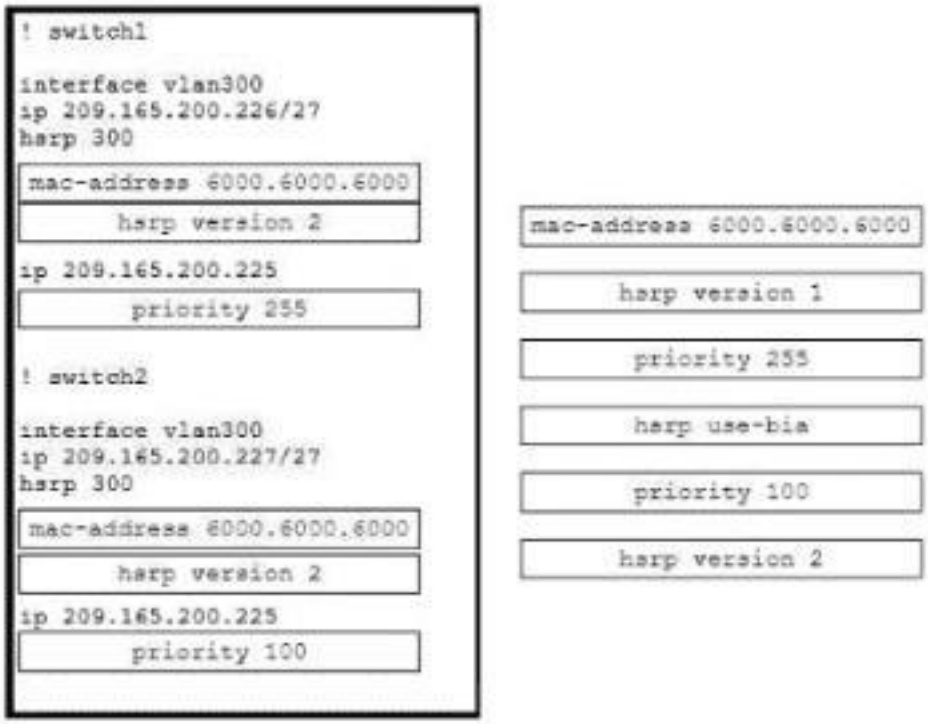


Drag and drop the commands from the the right to complete a configuration of the HSRP on the left. The commands are used more than once. Not all commands are used



Answer:

Explanation:



NO.24 An engineer must back up the configuration of a Cisco UCS system for disaster recovery The

backup must include the service profile deployed lo the server and all the associated settings The backup file must also be encrypted to protect passwords and other sensitive information Which backup type must be used?

A. full state

B. all configuration

C. system configuration

D. logical configuration

Answer: A

NO.25 An engineer configures port security on a Cisco MDS 9000 Series Switch The MDS switch configuration must meet these requirements:

*The switch must initiate the VSAN A port security database despite any conflicts.

*New devices must be statically added to me switch.

*Configuration changes for VSAN 4 must be applied throughout the fabric with any locks on the fabric released.

Which configuration set meets these requirements?

A. port-security activate vsan 4 force port-security auto-learn vsan 4 port-security distribute port-security commit

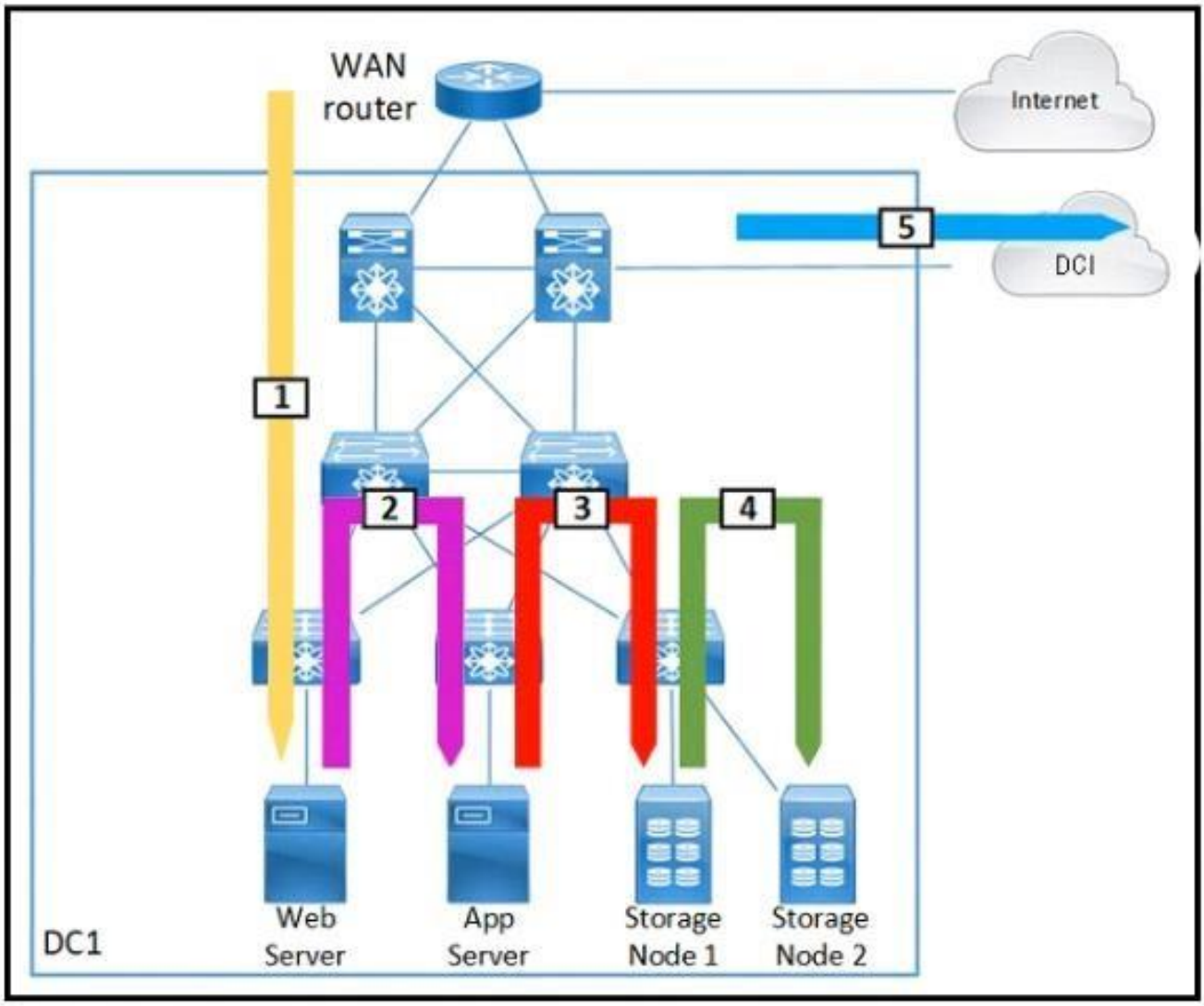
B. port-security activate vsan 4 force no port-security auto-learn vsan 4 port-security distribute port-security commit vsan 4

C. port-security activate vsan 4no port-security auto-learn vsan 4 port-security allocate port-security commit vsan 4

D. port-security activate vsan 4 port-security manual-learn vsan 4 port-security allocate port-security commit

Answer: B

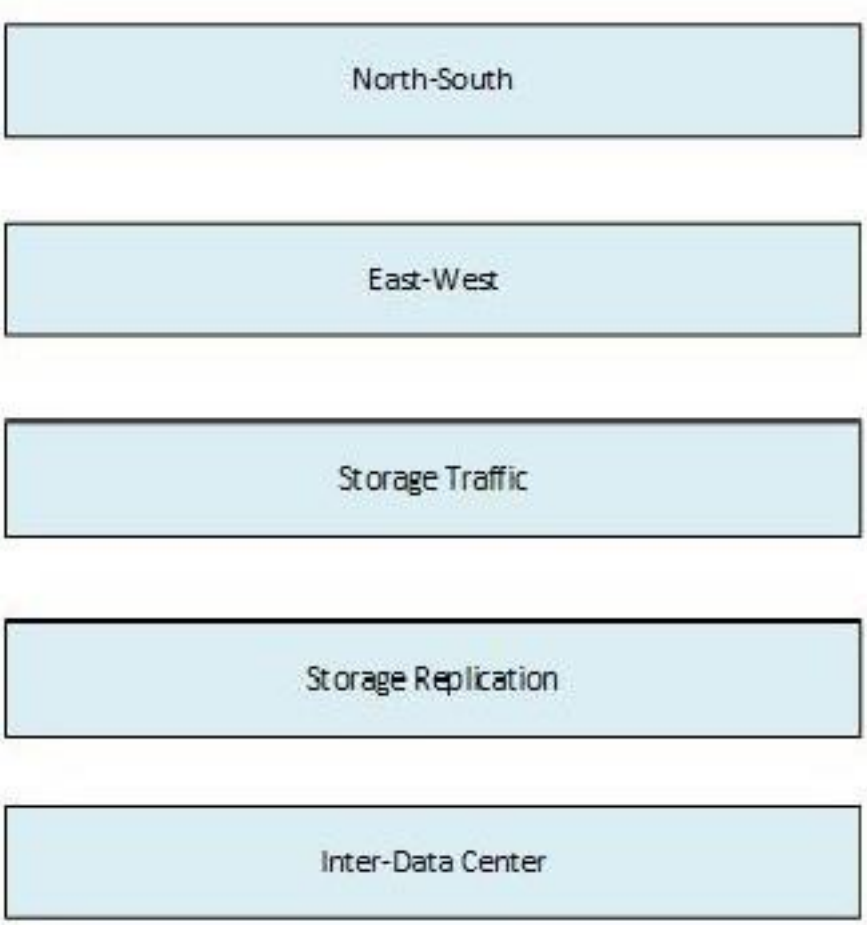
NO.26



Drag and drop each traffic flow type from the left onto the corresponding num- ber on the right Not all traffic flow types are used

Answer:

Explanation:



NO.27 The Cisco TACACS+ on a Cisco Nexus Series Switch must authenticate any user attempting to access the device and fail over to the local account if the TACACS+ server becomes unavailable. Which command accomplishes these goals?

A. aaa authentication login default fallback error local

B. aaa authentication login default group ISE local

C. aaa authentication login default local

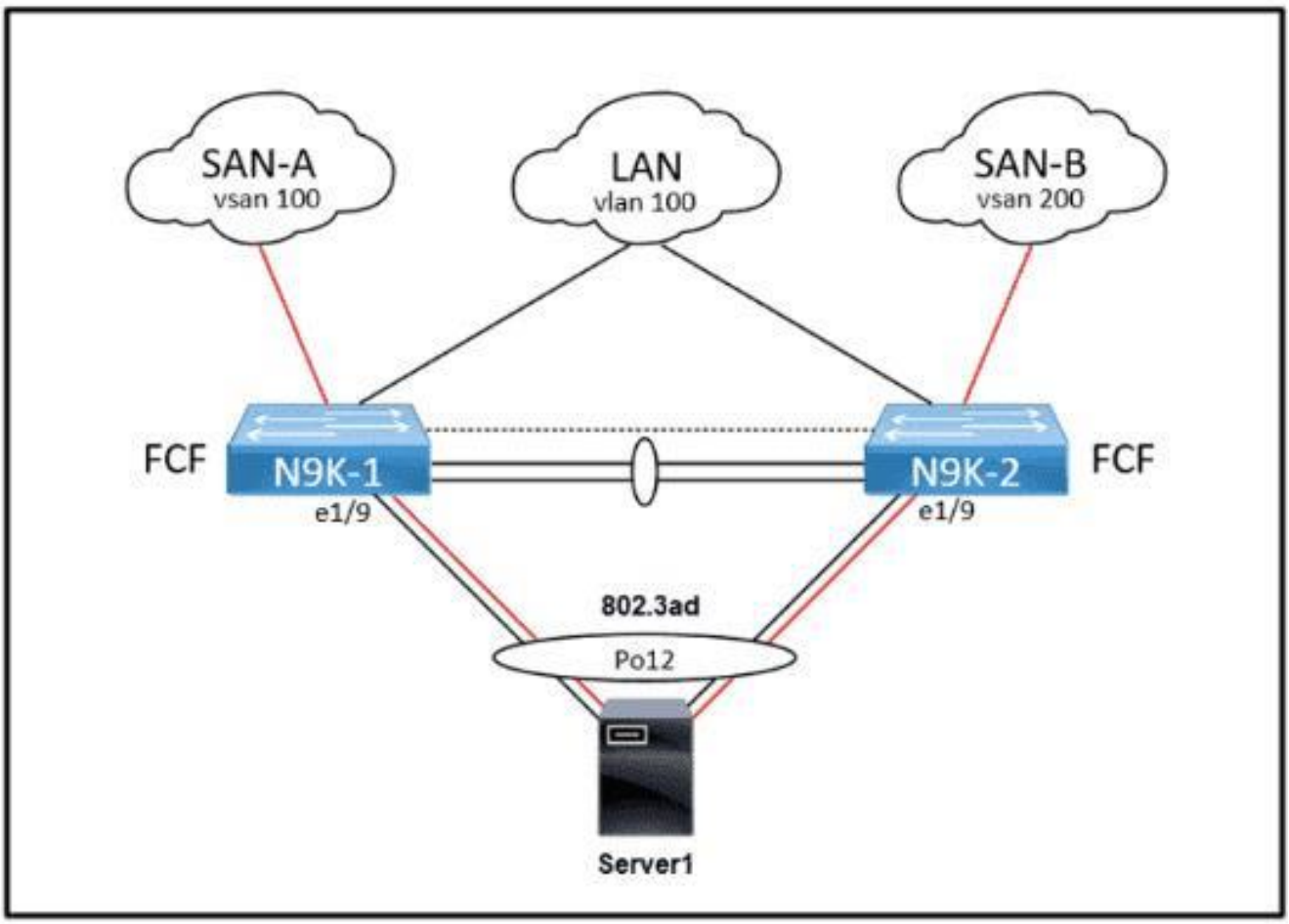
D. aaa authentication login console group local

Answer: B

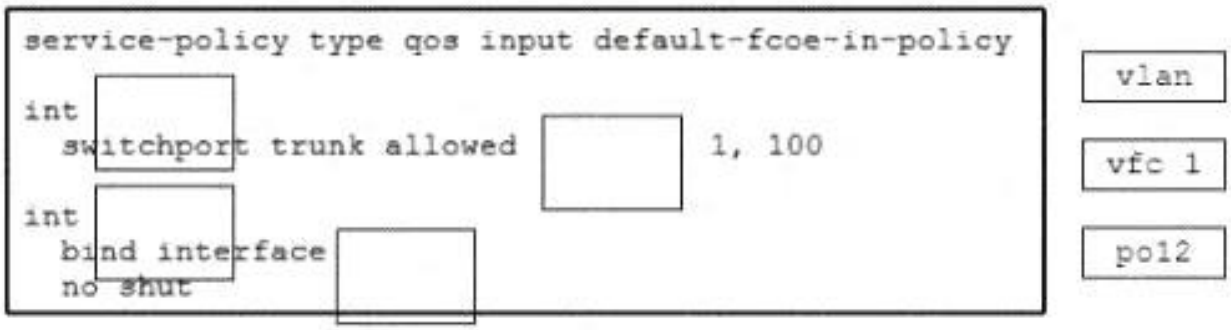
Explanation:

Option B is correct because on Cisco Nexus NX-OS, the command aaa authentication login default group < server-group > local creates the default login authentication method list and tells the switch to try the named AAA server group first, then fall back to the local user database if the AAA servers are unreachable or do not respond. Cisco's NX-OS AAA documentation states that the default login method list is used for user logins, and that the group keyword points authentication to a configured TACACS+ or RADIUS server group. It also notes that local authentication is the fallback method unless that behavior is explicitly disabled. (Cisco) The key reason the answer is B is the syntax: group ISE local means "authenticate with the TACACS+ server group named ISE first, then use local if the server is unavailable." Option C uses only local authentication, so it does not use TACACS+ at all. Option D applies to console login configuration and is not the correct default user-login command. Option A is incorrect syntax for enabling this behavior; Cisco documents fallback error local as a behavior that is already present by default and can be disabled with the no form. (Cisco)

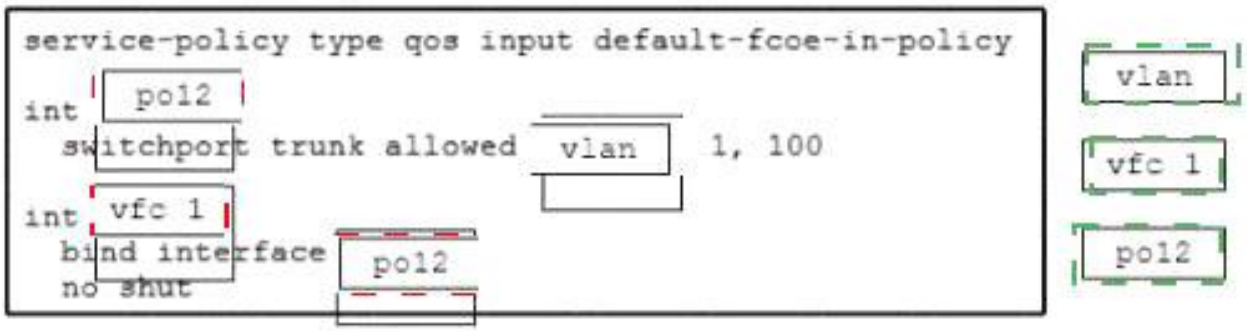
NO.28



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



Answer:



Explanation:
Po12
Vlan
Vfc1
Po12

NO.29 An engineer updated firmware on Fabric Interconnects and activates it However, the endpoint falls to boot from the new firmware image. What is expected to occur in this case?

A. The system defaults to and boots Into GOLD firmware image

B. The system defaults to the backup image version

C. The system defaults to and boots Into kickstari image

D. The system defaults to the GOLD firmware Image

Answer: B

NO.30 Refer to the exhibit.

```
mds01# sh run interface port-channel 2

interface interface port-channel 2
  switchport mode E
  switchport rate-mode dedicated
  channel mode active

mds01# sh run interface fc1/4-5

interface fc1/4
  switchport mode E
  switchport speed 4000
  switchport rate-mode dedicated
  switchport trunk mode on
  channel-group 2
  no shut

interface fc1/5
  switchport mode E
  switchport speed 4000
  switchport rate-mode dedicated
  switchport trunk mode on
  channel-group 2
  no shut
```

An engineer must connect a Cisco MDS Series Switch to a Cisco UCS domain using a port channel, but the link fails to activate. Which command activates the interface?

A. switchport speed 8000

B. switchport trunk mode off

C. switchport rate-mode shared

D. switchport mode F

Answer: A

NO.31

Refer to the exhibit Which port type must be used to complete the configuration of a monitoring session that sends traffic to a monitoring device ' ?

A. Eth1/8 as appliance port Eth1/4 as uplink port

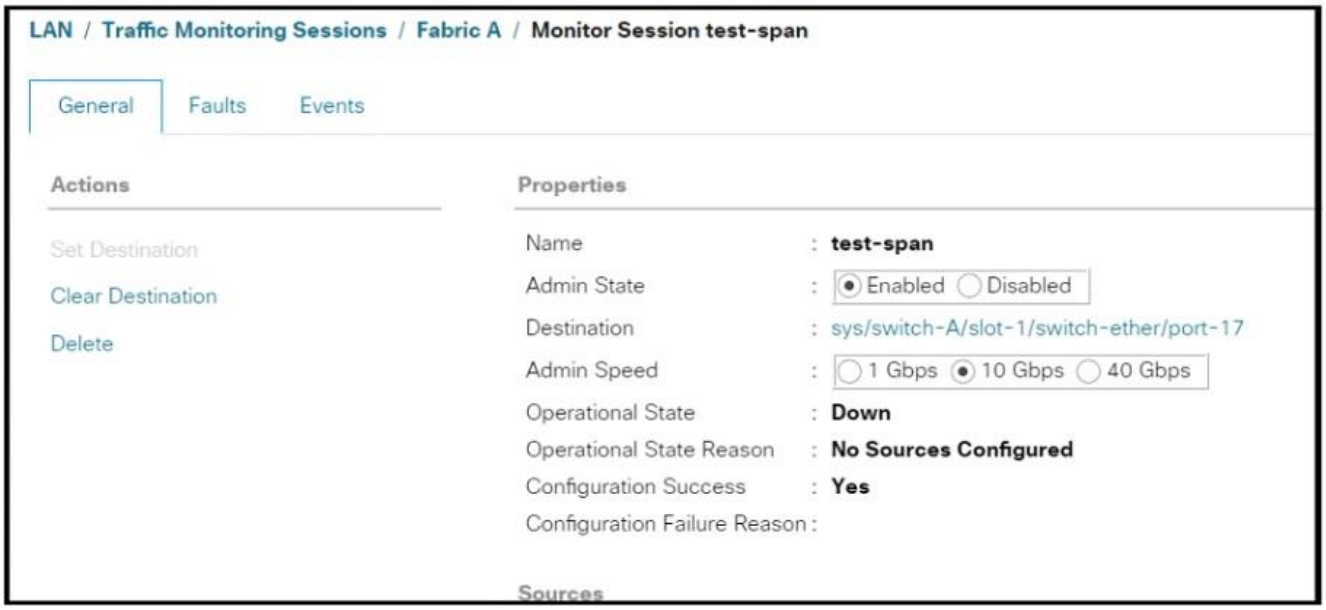
B. Eth1/8 as monitor port Eth1/4 as uplink port

C. Eth1/8 as uplink port Eth1/4 as monitor port

D. Eth1/8 as uplink port Eth1/4 as appliance port

Answer: D

NO.32 Refer to the exhibit.



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

A. all vHBAs from the service profile that correspond to this server

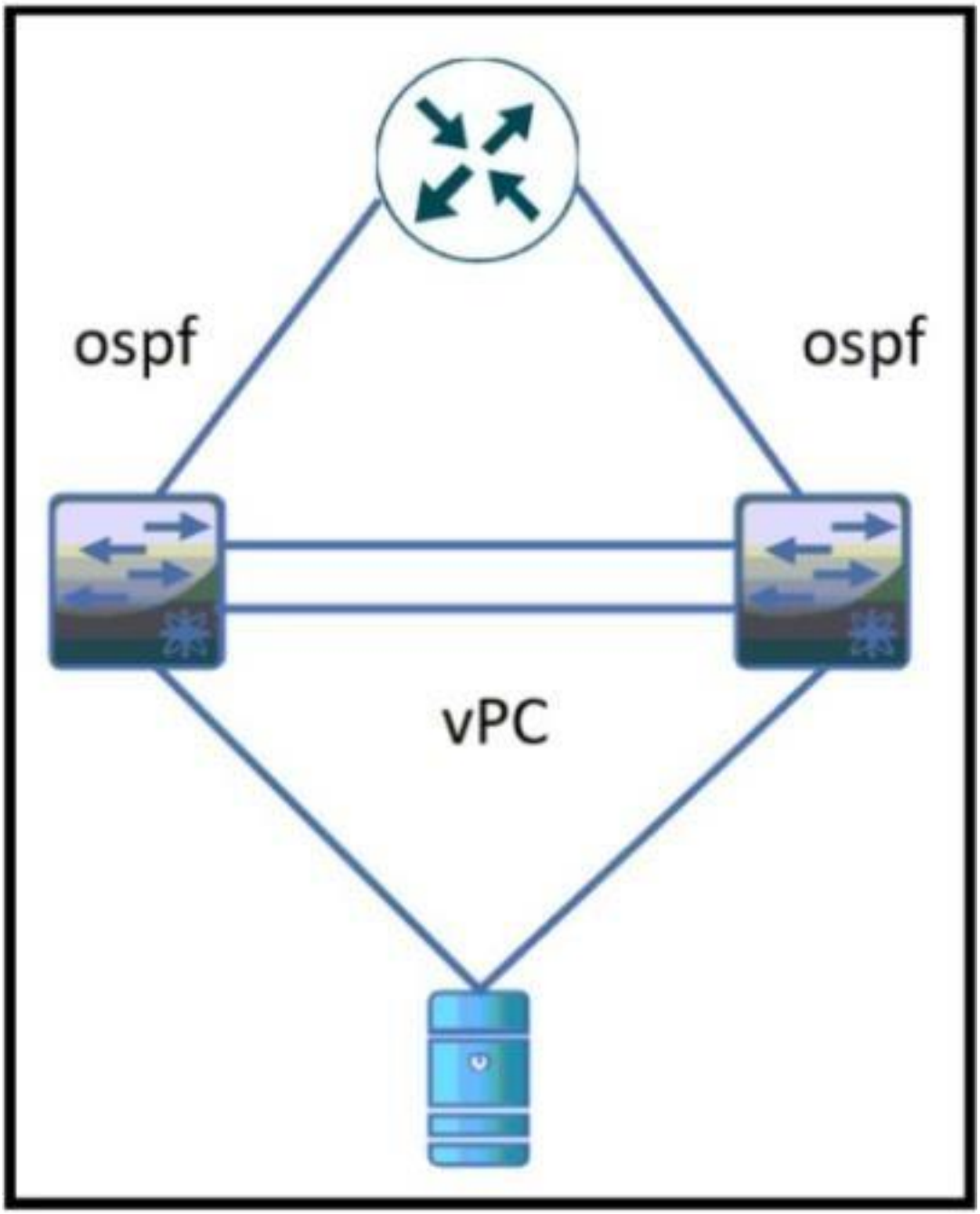
B. all uplink FCoE ports

C. all uplink Ethernet ports

D. all vNICs from the service profile that correspond to this server

Answer: D

NO.33



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

A. Set the routed uplink ports of the Cisco Nexus peers as orphans.

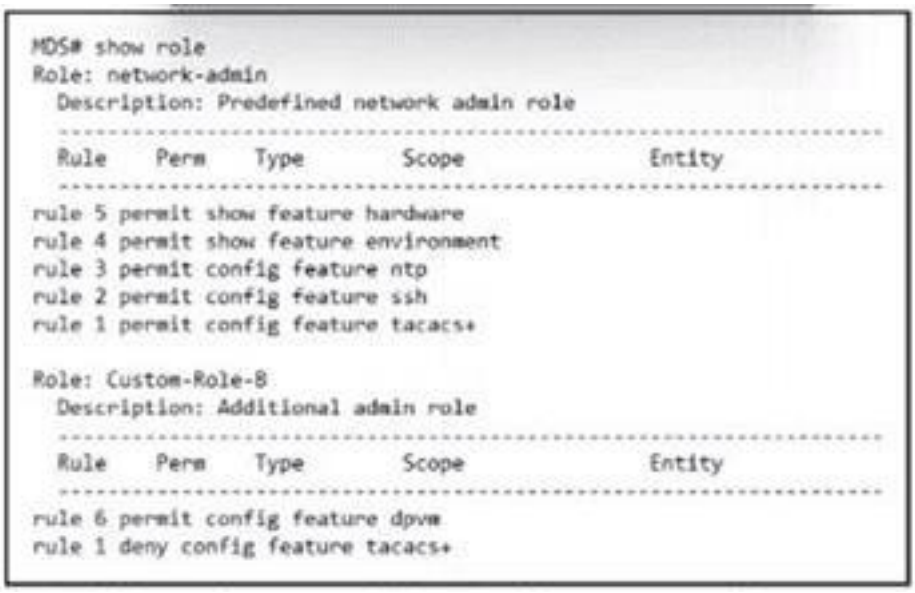
B. Increase the vPC delay restore timer.

C. Decrease the OSPF hello and dead interval timers.

D. Disable vPC ARP synchronize on the vPC peers.

Answer: B

NO.34 Refer to the exhibit.



```
MDS# show role
Role: network-admin
  Description: Predefined network admin role
  ------------------------------------------------------------------
  Rule    Perm    Type        Scope               Entity
  ------------------------------------------------------------------
rule 5 permit show feature hardware
rule 4 permit show feature environment
rule 3 permit config feature ntp
rule 2 permit config feature ssh
rule 1 permit config feature tacacs+

Role: Custom-Role-B
  Description: Additional admin role
  ------------------------------------------------------------------
  Rule    Perm    Type        Scope               Entity
  ------------------------------------------------------------------
rule 6 permit config feature dpvm
rule 1 deny config feature tacacs+
```

A Cisco MDS 9000 Series Switch is configured with RBAC. The default role applies to all users. User A is also assigned to the role Custom-Role-B. Which set of features will user A be authorized to configure?

A. NTPSSHDPVM

B. SSHDPVMTACACS+NTP

C. DPVMNTPSSHhardware

D. hardwareenvironmentDPVM

Answer: B

Explanation:

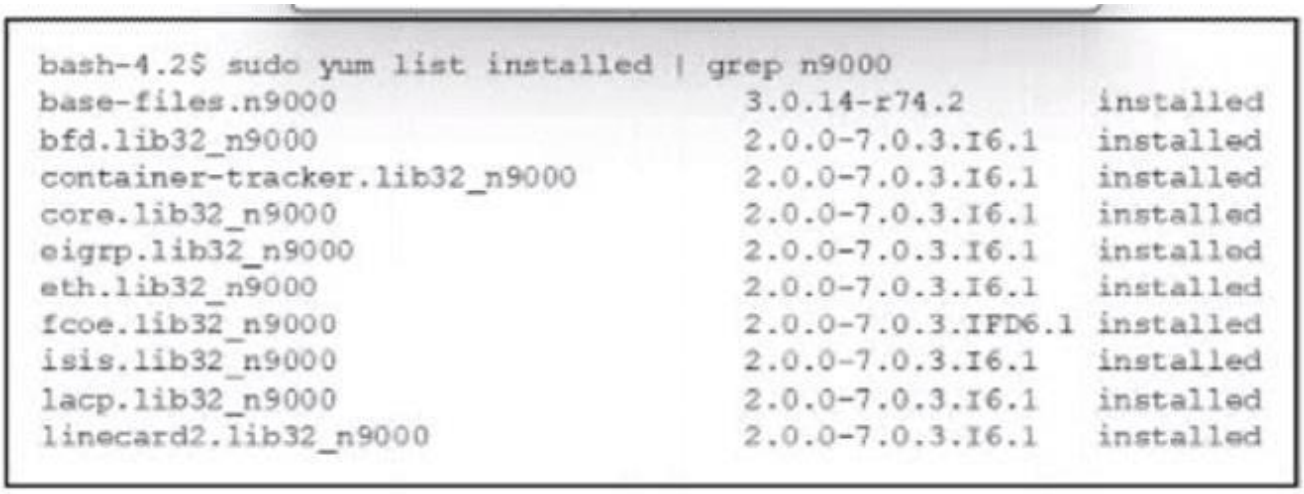
The correct answer is B because Cisco MDS RBAC authorizes a user based on the union of all permitted commands across all assigned roles. In the exhibit, the default role network-admin permits configuration of NTP, SSH, and TACACS+, while the additional role Custom-Role-B permits configuration of DPVM and includes a deny entry for TACACS+. Cisco documentation for MDS RBAC explains that when a user belongs to multiple roles, the user can execute the combined set of commands permitted by those roles, and importantly, access takes priority over deny when there is a conflict across roles.

Applying that rule here, User A is allowed to configure:

* NTP (config feature ntp) from network-admin
* SSH (config feature ssh) from network-admin
* TACACS+ (config feature tacacs+) from network-admin
* DPVM (config feature dpvm) from Custom-Role-B

The deny for TACACS+ in Custom-Role-B does not remove access because another assigned role already permits it. Options containing hardware or environment are incorrect because those are show permissions, not configuration permissions.

NO.35



```
bash-4.2$ sudo yum list installed | grep n9000
base-files.n9000                    3.0.14-r74.2        installed
bfd.lib32_n9000                     2.0.0-7.0.3.I6.1    installed
container-tracker.lib32_n9000       2.0.0-7.0.3.I6.1    installed
core.lib32_n9000                    2.0.0-7.0.3.I6.1    installed
eigrp.lib32_n9000                   2.0.0-7.0.3.I6.1    installed
eth.lib32_n9000                     2.0.0-7.0.3.I6.1    installed
fcoe.lib32_n9000                    2.0.0-7.0.3.IFD6.1  installed
isis.lib32_n9000                    2.0.0-7.0.3.I6.1    installed
lacp.lib32_n9000                    2.0.0-7.0.3.I6.1    installed
linecard2.lib32_n9000               2.0.0-7.0.3.I6.1    installed
```

Refer to the exhibit. The list of RPM packages was installed in a Bash shell of a Cisco Nexus 9000 Series Switch. Which action must be used to install and enable a BGP feature on the switch?

A. bash-4.2# feature bgp9K(config)# sudo yum -y install bgp

B. bash-4.2$ sudo yum -y install bgp9K(config)# feature bgp

C. bash-4.2$ feature bgpbash-4.2$ sudo yum -y install bgp

D. 9K(config)# sudo yum -y install bgp9K(config)# feature bgp

Answer: B

Explanation:

The correct answer is B because Cisco Nexus 9000 switches that support NX-OS with Linux Bash shell require a two-step process when a feature is delivered as an RPM package. First, the feature must be installed at the Linux level using the Bash shell and the yum package manager. This is done with the command:

sudo yum -y install bgp

This step installs the necessary binaries and dependencies for the BGP feature. After installation, the feature is not automatically active in NX-OS. The second step is to enable the feature within NX-OS CLI using:

feature bgp

This activates the control plane functionality and allows configuration of BGP on the switch.

Option A is incorrect because it attempts to enable the feature before installing it. Option C is invalid because feature bgp cannot be executed in Bash mode. Option D is incorrect because yum commands must be executed in the Bash shell, not in NX-OS configuration mode.

Thus, the correct workflow is install via Bash # enable via NX-OS CLI, which is exactly what option B describes.