

Exam Questions 350-601

Implementing and Operating Cisco Data Center Core Technologies

<https://www.2passeasy.com/dumps/350-601/>



NEW QUESTION 1

An engineer must configure a Cisco UCS domain for monitoring and management by the Cisco Intersight SaaS platform. After the setup is complete, administrators must have full control to configure the device through Cisco UCS Manager and Intersight. Which set of actions accomplishes this task?

- A. Configure Device Connector Access Mode as Allow Control in Device Console Claim the device on Intersight as UCSM Managed Mode.
- B. Configure Device Connector Access Mode as Allow Control in Cisco UCS Manager Claim the device on intersightc as Intersight Managed Mode
- C. Configure Device Connector Access Moao as Allow Control in Device Consol
- D. Claim the device on intersight as Intersight Managed Mode
- E. Configure Device Connector Access Mode as Allow Control in Cisco UCS Manager Claim the device on intersight as UCSM Managed Mode
- F. Option A
- G. Option B
- H. Option C
- I. Option D

Answer: C

NEW QUESTION 2

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

Answer: A

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

NEW QUESTION 3

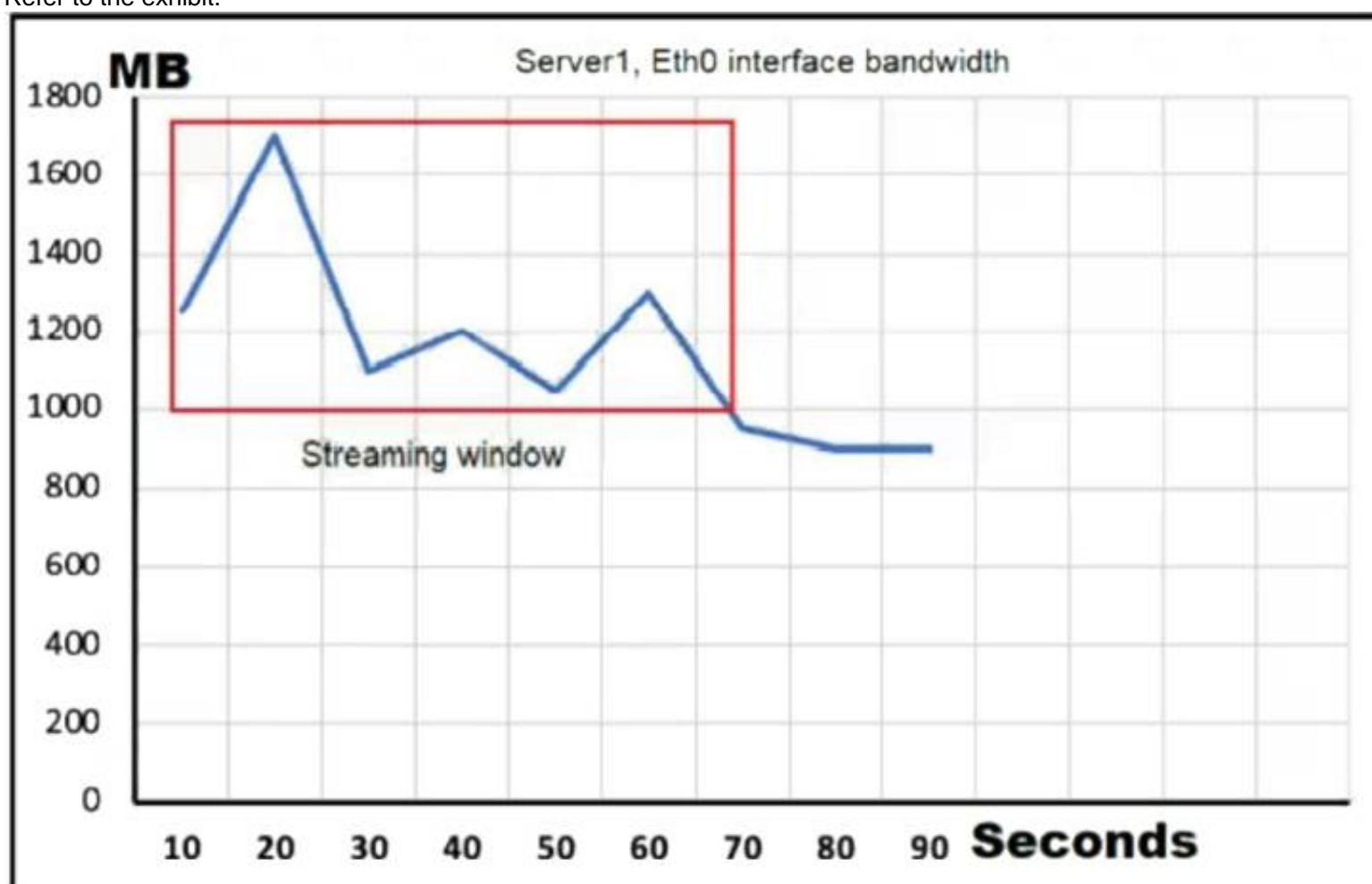
Which solution provides remote and direct file-level access to users and systems?

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

Answer: D

NEW QUESTION 4

Refer to the exhibit.



Server1 is connected to a Cisco Nexus 9000 Series Switch via a 1-Gb port channel. The storm control is applied to the Eth0 device with a zero percent value. What does the switch do to traffic that traverses the switch interfaces during the streaming window that exceeds the bandwidth of the interfaces?

- A. forwards all traffic
- B. forwards half of the traffic
- C. suppresses all traffic
- D. drops all of the excess traffic

Answer: B

NEW QUESTION 5

Refer to the exhibit.

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

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

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

Answer: D

Explanation:

https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/CLI-User-Guides/Admin-Management/3-1/b_Cisco_UCS_Manager_CLI_Administration_Mgmt_Guide_3_1/b_Cisco_UCS_Manager_CLI_Administration_Mgmt_Guide_3_1_chapter_01100.html

NEW QUESTION 6

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

Answer: BE

Explanation:

https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/Reference-Docs/Privileges/4-1/b-U

NTP 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.

NEW QUESTION 7

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

Answer: DE

Explanation:

https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/Admin-Managem

Maintenance Policy

The maintenance policy specifies how deploys 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 activities 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 reboot, shutdown, and reset, or server 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.

NEW QUESTION 8

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.

Answer: B

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-o

NEW QUESTION 9

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

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Diagram Description automatically generated

NEW QUESTION 10

What is a feature of NFS?

- A. role-based access control
- B. Kerberos-based security model
- C. block-based file access
- D. zone-based access control

Answer: B

Explanation:

<https://www.cisco.com/c/en/us/support/docs/security-vpn/kerberos/16087-1.html#modifiednfs>

Kerberos Security Implications of the Modified NFS

This implementation is not completely secure. For starters, user data is still sent across the network in an unencrypted, and therefore interceptable, form. The low-level, per-transaction authentication is based on a <CLIENT-IP-ADDRESS, CLIENT-UID> pair provided unencrypted in the request packet. This information could be forged and thus security compromised. However, it should be noted that only while a user is actively using her/his files (that is, while logged in) are valid mappings in place and therefore this form of attack is limited to when the user in question is logged in. When a user is not logged in, no amount of IP address forgery will permit unauthorized access to her/his files.

NEW QUESTION 10

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

Answer: AC

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.

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

NEW QUESTION 14

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 the burned-in MAC address of the converged network adapter for all FCoE operations.
- B. 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.
- C. 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.
- D. FCoE does not use a MAC address
- E. 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.

Answer: B

Explanation:

https://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/Data_Center/UF_FCoE_final.html#wp1154912

NEW QUESTION 17

An engineer configures port security on a Cisco MDS 9000 Series Switch. The MDS switch configuration must meet these requirements

- The switch must inmate the VSAN 4 port security database despite any conflicts.
- New devices must be statically added to the switch.
- Configuration changes for VSAN 4 must be applied throughout the fabric with any lodes on the fabric released

Which configuration set meets these requirements?

- ☐ port-security activate vsan 4
no port-security auto-learn vsan 4
port-security allocate
port-security commit vsan 4
- ☐ port-security activate vsan 4
port-security manual-learn vsan 4
port-security allocate
port-security commit
- ☐ port-security activate vsan 4 force
port-security auto-learn vsan 4
port-security distribute
port-security commit
- ☐ port-security activate vsan 4 force
no port-security auto-learn vsan 4
port-security distribute
port-security commit vsan 4

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

Answer: D

NEW QUESTION 21

A network engineer must SPAN only the ingress traffic of a Cisco MDS 9000 series switch from interface fc 1/23 to interface fc 1/24. Which two configuration must be applied to complete this task? (Choose two)



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

Answer: AC

NEW QUESTION 25

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

Answer: A

NEW QUESTION 27

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

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

Answer: B

Explanation:

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

NEW QUESTION 31

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?

- ☐ MDS-A(config)# logging console 5
MDS-A(config-console)# exec-timeout 300
- ☒ MDS-A(config)# line console
MDS-A(config-console)# speed 38400
MDS-A(config-console)# exec-timeout 5
MDS-A(config)# logging console 4
- ☐ MDS-A(config)# console
MDS-A(config-console)# speed 38400
MDS-A(config-console)# session-limit 5
MDS-A(config)# logging console 5
- ☐ MDS-A(config)# logging line 4
MDS-A(config-console)# session-limit 300

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

Answer: B

Explanation:

DETAILED STEPS

	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.

NEW QUESTION 35

The engineer must configure SPAN on a cisco Nexus 5000 Series switch to get a capture of the traffic from these applications for an in-depth packet analysis. Which two characteristics must be considered? (Choose two.)

- A. The Ethernet, FC, vFC, port channel, SAN port channel can be used as SPAN source ports.
- B. The rx/tx option is available for VLAN or VSAN SPAN sessions.
- C. SPAN source port can be monitored in multiple SPAN sessions.
- D. Only Ethernet, FC, vFC, port channel port types can be a destination SPAN port.
- E. A SPAN source port cannot be a destination SPAN port.

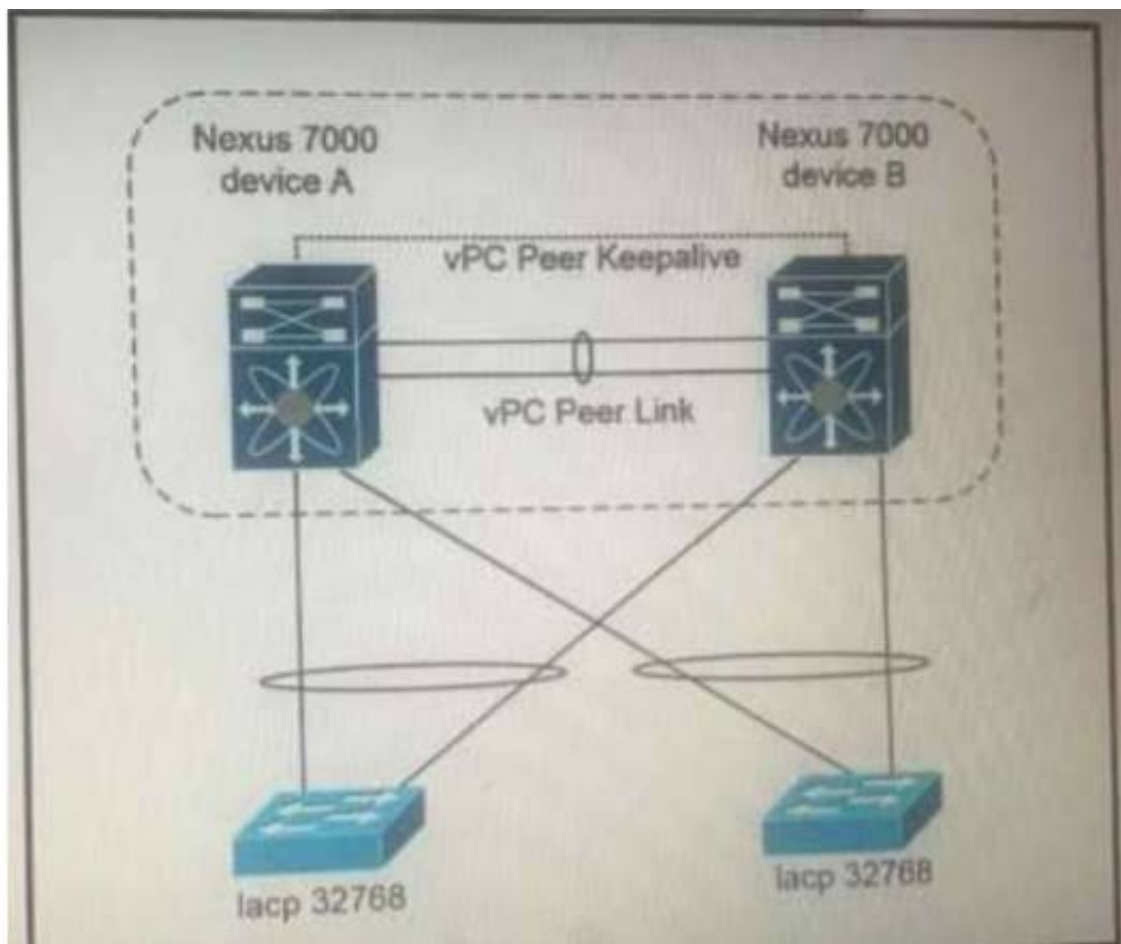
Answer: AE

Explanation:

https://www.cisco.com/en/US/docs/switches/datacenter/nexus5000/sw/configuration/guide/cli_rel_4_1/Cisco_N

NEW QUESTION 36

Refer to the exhibit.



Which configuration ensure that the cisco Nexus 7000 series switches are the primary devices for LACP?

- A. `N7K_A(config-vpc-domain)# system-priority 4000`
`N7K_B(config-vpc-domain)# system-priority 4000`
- B. `N7K_A(config-vpc-domain)# system-priority 100`
`N7K_B(config-vpc-domain)# system-priority 200`
- C. `N7K_A(config-vpc-domain)# system-priority 32768`
`N7K_B(config-vpc-domain)# system-priority 32768`
- D. `N7K_A(config-vpc-domain)# role priority 1`
`N7K_B(config-vpc-domain)# role priority 2`

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

Answer: C

NEW QUESTION 38

An engineer needs to create a new user in the local user database on Cisco UCS Fabric Interconnect. The user needs permissions to change the following configuration inside UCS Manager version 3.1:

- vNIC and vHBA profiles
- Fan speed and power redundancy profile of UCS Manager

Which two roles must be assigned to a user to achieve this goal? (Choose two.)

- A. server-compute
 B. facility-manager
 C. operations
 D. server-equipment
 E. server-profile

Answer: AD

NEW QUESTION 43

A server engineer wants to control power usage on a Cisco UCS C-Series rack server down to the component level.

Which two components support specific power limits? (Choose two.)

- A. storage controller
 B. network controller
 C. processor
 D. graphic card
 E. memory

Answer: CE

Explanation:

https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/c/sw/gui/config/guide/4_1/b_Cisco_UCS_C-serie

NEW QUESTION 44

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

Answer: D

Explanation:

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

Guidelines and Recommendations for Traffic Monitoring

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

- You can create and store up to 16 traffic monitoring sessions, but only two can be active at the same time.
- A traffic monitoring session is disabled by default when created. To begin monitoring traffic, you must activate the session.
- To monitor traffic from a server, add all vNICs from the service profile corresponding to the server.
- To monitor traffic from a VM, you must first determine the identity of the dynamic vNIC assigned to the VM. Follow the procedure in to find the vNIC and view its identity properties, then add the vNIC as a source for the monitoring session. If you later move the VM using VMotion, a new dynamic vNIC is assigned and you must reconfigure the monitoring source.

Viewing Dynamic vNIC Properties in a VM

- You can monitor Fibre Channel traffic using either a Fibre Channel traffic analyzer or an Ethernet traffic analyzer. When Fibre Channel traffic is monitored using an Ethernet traffic monitoring session, with an Ethernet destination port, the destination traffic will be FCoE.
- Because a traffic monitoring destination is a single physical port, a traffic monitoring session can monitor only a single fabric. To monitor uninterrupted vNIC traffic across a fabric failover, you must create two sessions—one per fabric—and connect two analyzers. Add the vNIC as the traffic source for both sessions.
- All traffic sources must be located within the same switch as the destination port.
- A port configured as a destination port cannot also be configured as a source port.
- A member port of a port channel cannot be configured individually as a source. If the port channel is configured as a source, all member ports are source ports.

NEW QUESTION 48

Due to a newly announced security advisory, a company has been informed that they must update the configuration of 500 network devices that are deployed in their network. The engineering team must assist the operations team to prepare for this update. The operations team does not have direct access to the network devices and must log in via a Linux server. This is the first time that the team is making a network-wide configuration and must change all devices without first installing additional software on the network devices. The operations team is unfamiliar with automation and scripting technologies. Which automation tool must be used to accomplish this goal?

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

Answer: B

NEW QUESTION 50

What is a benefit of Cisco HyperFlex All-Flash Stretched cluster deployment as compared to All-HDD Stretched cluster deployment?

- A. lower cost
- B. lower number of IOPS
- C. higher cost
- D. higher number of IOPS

Answer: D

NEW QUESTION 51

Port security is statically configured on a Cisco Nexus 7700 Series switch and F3 line card. The switch is configured with an Advanced Services license. Which two actions delete secured MAC addresses from the interface? (Choose Two)

- A. The address must be removed from the configuration.
- B. The address must reach the age limit that is configured for the interface.
- C. The interface must be converted to a routed port.
- D. The device must be restarted manually.
- E. Shutdown and then no shutdown must be run on the interface.

Answer: AC

Explanation:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/6_x/nx-os/security/configuration/guide/b_Cisco_Static_Method

The static learning method allows you to manually add or remove secure MAC addresses to the running configuration of an interface. If you copy the running configuration to the startup configuration, static secure MAC addresses are unaffected if the device restarts.

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

- You explicitly remove the address from the configuration.
- You configure the interface to act as a Layer 3 interface.

Adding secure addresses by the static method is not affected by whether dynamic or sticky address learning is enabled.

NEW QUESTION 54

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

Answer: A

NEW QUESTION 57

An engineer upgrades the bash on the Cisco Nexus 9000 Series Switch.

```
guestshell:~$ sudo [MISSING_COMMAND] /bootflash/bash-4.2_8642092948678a-r8x86_64.rpm.rpm
Preparing...
##### [100%]
1:bash ##### [100%]
update-alternatives: Linking //bin/sh to /bin/bash
```

Which command must be used to complete the task?

- A. rpm -qa
- B. rpm -Uhv
- C. upgrade -U
- D. update -vh

Answer: B

NEW QUESTION 61

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 fc1-12 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

Answer: D

NEW QUESTION 66

When deploying a Cisco HyperFlex edge with a pair of switches, what is the minimum number of interfaces in trunk mode required on each HX node?

- A. 1
- B. 2
- C. 4
- D. 6

Answer: B

NEW QUESTION 71

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

Data storage and file sharing requests are sent and received.

The protocol is regularly used on Linux and UNIX systems.

Software is deployed on a lightweight OS that is embedded in the hardware.

The vendor-agnostic protocol is supported on any hardware and OS.

NFS

NAS

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

NFS
Data storage and file sharing requests are sent and received The protocol is regularly used on Linux segment
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

NEW QUESTION 73

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

A)

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

B)

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

C)

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

D)

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

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

Answer: A

NEW QUESTION 75

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.

Answer: B

Explanation:

Graphical user interface, text, application Description automatically generated



Note If you belong to **multiple roles**, you can execute a union of all the commands permitted by these roles. Access to a command takes priority over being **denied access** to a command. For example, suppose you belong to a TechDocs group and you were denied access to configuration commands. However, you also belong to the engineering group and have access to configuration commands. In this case, you will have access to configuration commands.

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

NEW QUESTION 77

What is an advantage of streaming telemetry over SNMP?

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

Answer: B

NEW QUESTION 78

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

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

Answer: A

NEW QUESTION 79

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

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

- A. Mastered
- B. Not Mastered

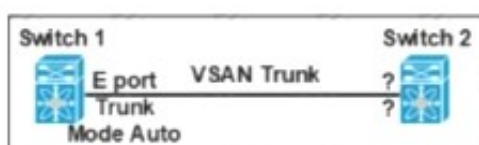
Answer: A

Explanation:

Diagram Description automatically generated

NEW QUESTION 83

Refer to the exhibit.



Which feature must be used to configure on switch 2 to establish a VSAN trunk between switch 1 and switch 2?

- A. F portTrunk Mode Passive
- B. E PortTrunk Mode On
- C. N PortTrunk Mode Active
- D. NP PortTrunk Mode Auto

Answer: B

NEW QUESTION 84

Refer to the exhibit.

```

1  . /etc/init.d/functions
2  exec="/usr/bin/chef-client"
3  prog="chef-client"
4  [ -e /etc/sysconfig/$prog ] && . /etc/sysconfig/$prog
5  config=${CONFIG-/etc/chef/client.rb}
6  pidfile=${PIDFILE-/var/run/chef/client.pid}
7  reload() {
8    echo -n $"Reloading $prog: "
9    [ -n "$?" ] && {
10     retval=$?
11     echo
12     return $retval
13   }
14   case "$1" in
15     reload)
16       rh_status_q || exit 7
17       ;;
18     exit 2
19     esac
20   exit $?

```

A developer must create a Bash script that performs a Chef Client reload in the event of a system reset. Which command completes the script?

- ☐ A. `killproc -n $pidfile $exec -SIGHUP`
- ☐ B. `killproc -pi $pidfile $exec -HUP`
- ☐ C. `killproc -n $pidfile $exec -HUP`
- ☐ D. `killproc -p $pidfile $exec -HUP`

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

Answer: D

NEW QUESTION 89

A cisco Nexus 9000 series switch experiences a startup configuration corruption. The engineer must implement a procedure to recover configuration file from the switch. Which command set must be used?

- A. * 1. Copy the running-configuration to the startup configuration.* 2. Clear the current configuration of the switch.* 3. Restart the device.* 4. Copy a previously saved configuration file to the running configuration.
- B. * 1. Clear the current configuration of the switch* 2. Restart the device.* 3. Copy the running configuration to the startup configuration* 4. Copy a previously saved configuration file to the running configuration
- C. * 1. Clear the current configuration of the switch* 2. Restart the device.* 3. Copy a previously saved configuration file to the running-configuration* 4. Copy the running-configuration to the startup configuration.
- D. * 1.Restarting device.* 2. Copy the running-configuration file to a remote server.* 3. Clear the current configuration of the switch.* 4. Copy the running configuration to the startup configuration

Answer: C

Explanation:

Problems, such as memory corruption, can occur that make it necessary for you to recover your configuration from a backed-up version.

Each time that you enter a copy running-config startup-config command, a binary file is created and the ASCII file is updated. A valid binary configuration file reduces the overall boot time significantly. A binary file cannot be uploaded, but its contents can be used to overwrite the existing startup configuration. The write erase command clears the binary file.

SUMMARY STEPS

- * 1. write erase
- * 2. reload
- * 3. copy configuration-file running-configuration
- * 4. copy running-config startup-config <https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/93x/fundamentals/configuration/guide>

NEW QUESTION 93

A network engineer must prevent data corruption due to cross fabric communication in an FCoE environment. Which configuration must be applied to the Cisco Nexus Unified Switches to achieve this objective?

- A. Switch(config)#fcoe fcmmap 0e,fc,2a
- B. Switch(config-if)# no fcoe fcf-priority 0
- C. Switch(config-if) # shutdown lan
- D. Switch(config) # no fcoe fcf-priority

Answer: A

Explanation:

2. switch(config)# fcoe fcmmap fabric-map
3. (Optional) switch(config)# no fcoe fcmmap fabric-map

DETAILED STEPS

	Command or Action	Purpose
Step 1	switch# configure terminal	Enters configuration mode.
Step 2	switch(config)# fcoe fcmmap fabric-map	Configures the global FC-Map. The default value is 0E.FC.00. The range is from 0E.FC.00 to 0E.FC.FF.
Step 3	switch(config)# no fcoe fcmmap fabric-map	(Optional) Resets the global FC-Map to the default value of 0E.FC.00.

This example shows how to configure the global FC-Map:

```
switch# configure terminal
```

```
switch(config)# fcoe fcmmap 0e.fc.2a
```

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/fcoe/b_Cisco_Nexus_5000_Series_NX-OS_Fibre_Channel_over_Ethernet_Configuration_Guide/_Cisco_Nexus_5000_Series_NX-OS_Fibre_Channel_over_Ethernet_Configuration_Guide_chapter3.html
You can prevent data corruption due to cross-fabric talk by configuring an FC-Map that identifies the Fibre Channel fabric for this Cisco Nexus device. When the FC-Map is configured, the switch discards the MAC addresses that are not part of the current fabric.
switch(config)# fcoe fcmmap fabric-map Configures the global FC-Map. The default value is 0E.FC.00. The range is from 0E.FC.00 to 0E.FC.FF.
https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/fcoe/513_n1_1/b_Cisco_n5k_fcoe_co

NEW QUESTION 98

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 these requirements?

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

Answer: C

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."

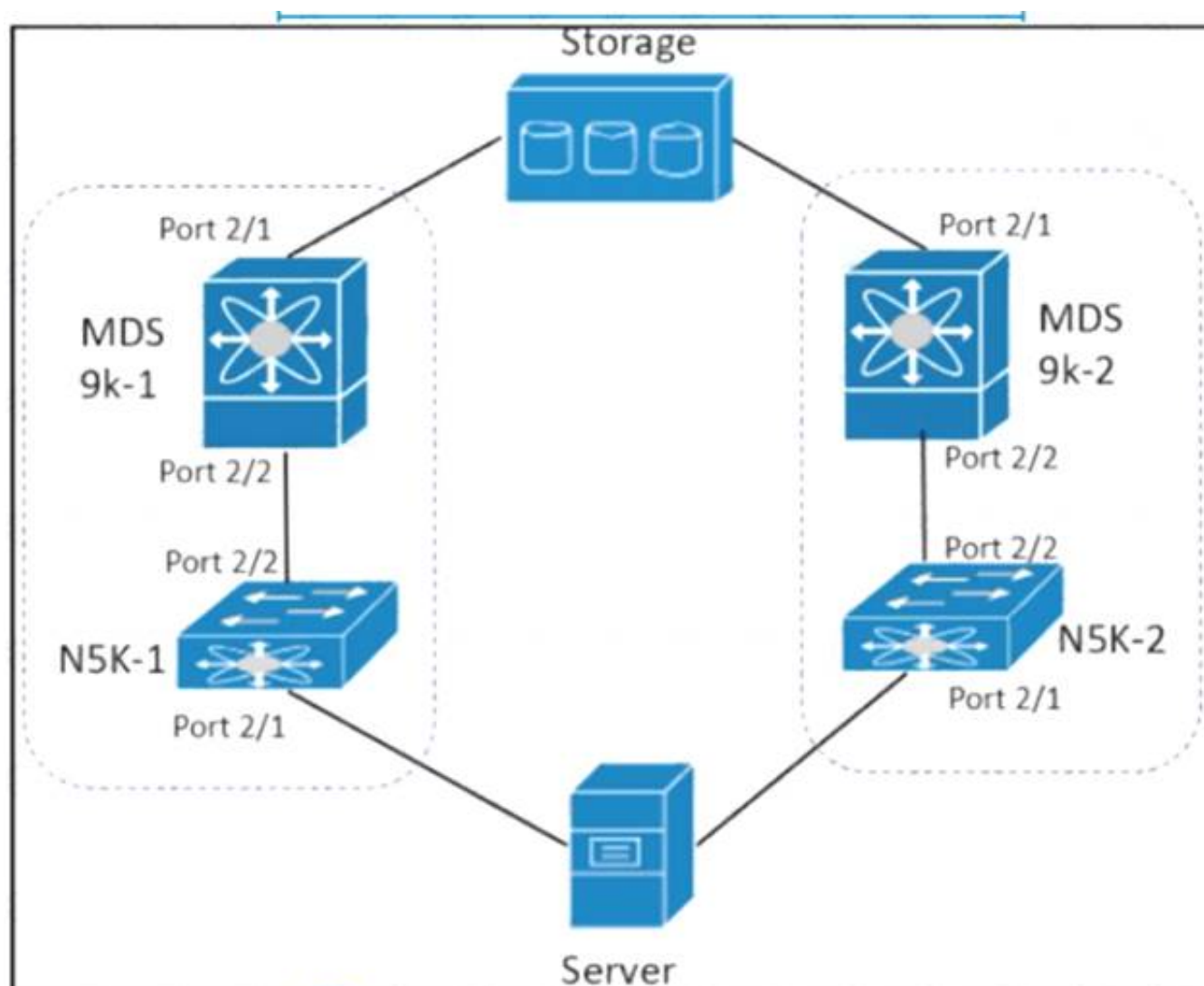
https://www.cisco.com/c/dam/en/us/products/collateral/servers-unified-computing/ucs-c-series-rackservers/whitepaper_c11-740103.pdf

<https://www.cisco.com/c/dam/en/us/products/collateral/servers-unified-computing/ucs-devops-integration-sol-br>

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.

NEW QUESTION 103

Refer to the exhibit.



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.

```

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

interface fc 2/1

interface port 2/1

interface port 2/2

npv enable

switchport mode F

switchport mode NP

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 106

An engineer must add a new VRF (DC DC) to the network that runs with Multiprotocol Border Gateway Protocol (MP-BGP) and EVPN. The requirement for the new VRF is to allow communication of network prefixes between PE1 and PE2. Which two sets of steps should be taken to complete the VRF configuration? (Choose two)



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

Answer: DE

NEW QUESTION 111

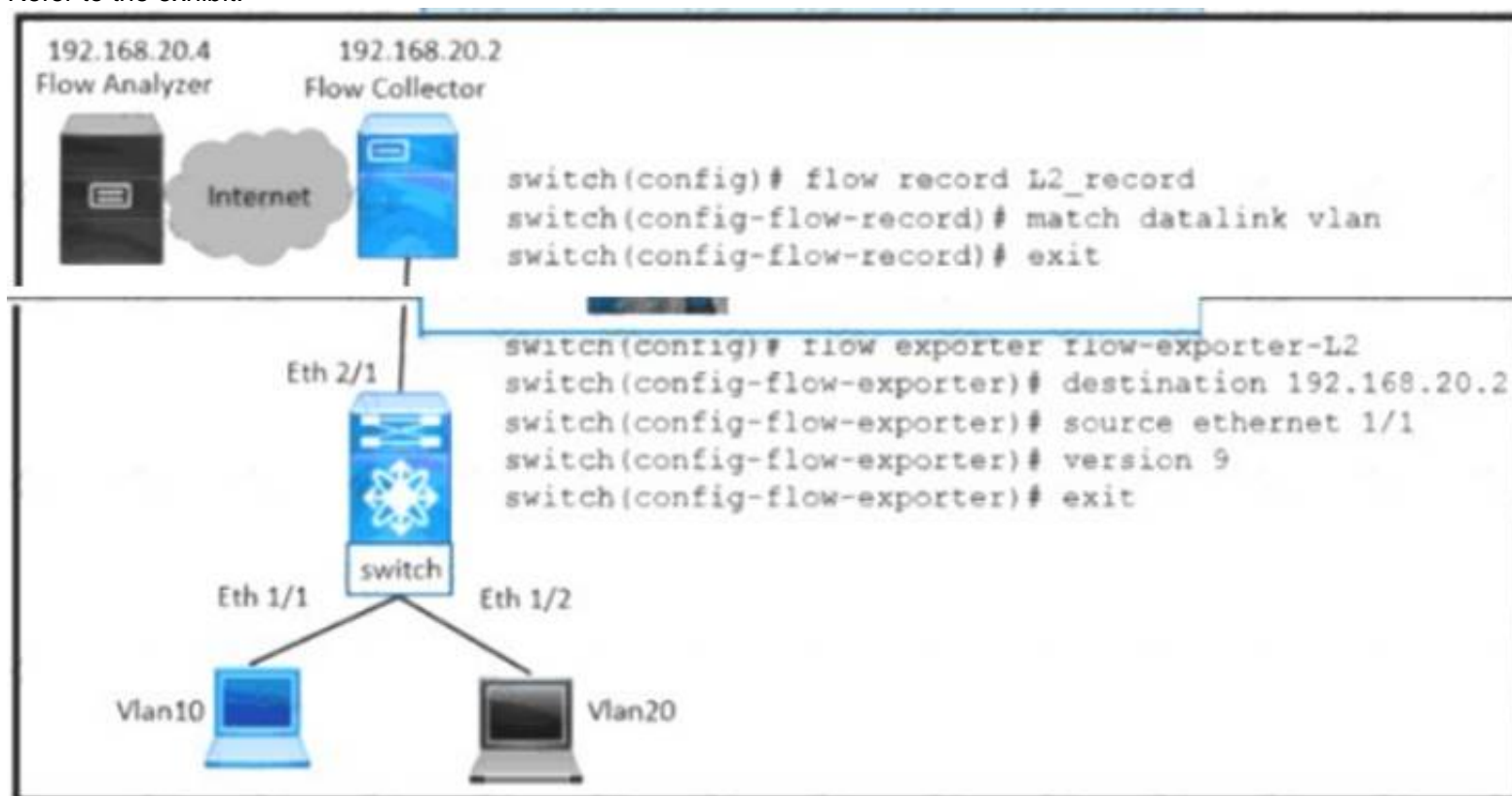
Which two features are used to allow a nondisruptive upgrade for the ISSU process? (Choose two.)

- A. connectivity management processor
- B. nonstop forwarding
- C. graceful restart
- D. stateful switchover
- E. advanced services license

Answer: BD

NEW QUESTION 114

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?

visit - <https://www.2PassEasy.com>

NEW QUESTION 116

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

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

Answer: D

Explanation:

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

https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/System-Monitoring/3-2/b_UCSM_GUI_System_Monitoring_Guide_3_2/b_UCSM_GUI_System_Monitoring_Guide_3_2_chapter_01101.pdf

NEW QUESTION 118

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

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

Answer: B

Explanation:

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

Introduction

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

NEW QUESTION 119

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

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

Answer: B

Explanation:

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

Saving Cores

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

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

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

Saving the Last Core to Bootflash

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

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/6_2/configuration/guides/system_management/nx-os/sysmgmt_cli_6-x/sys.html
https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/6_2/configuration/guides/system_management/nx-os/sysmgmt_cli_6-x/sys.html#37039

NEW QUESTION 123

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>

Answer: A

Explanation:

Graphical user interface, text, application Description automatically generated

Parallel Upgrade

Parallel Upgrade with I/O Modules

Starting with Cisco NX-OS Release 5.2(1), multiple linecards can be simultaneously upgraded, and the infrastructure support is available. This decreases the ISSU time when compared with an ISSU upgrade that is done serially (one card at a time).

To start a parallel upgrade, use the following command: `install all kickstart image system image parallel`

Up to three linecards can be upgraded in parallel with this command. During the upgrade process, the upgrade of the linecards is displayed in the output as follows:

```
Non-disruptive upgrading.
[#          ] 0%
Module 5 upgrade completed successfully.

Module 3 upgrade completed successfully.
```

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

NEW QUESTION 124

Drag and drop the mechanisms to collect data from a network from the left onto their characteristics on the right

CLI-based scripts	Polling can take 5-10 minutes.
SNMP	Unstructured and susceptible to change and scripts failure.
syslog	It sends data from the device to a specific endpoint, for instance, JSON or by using Google protocol buffers.
telemetry	It pushes messages in the format "seq no:timestamp: %facility-severity MNEMONIC:description" and has limits in scale and efficiency.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Table Description automatically generated with low confidence

NEW QUESTION 129

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 all 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

Answer: D

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/system-management/guide/b_Cisco_Nexus_7000_Series_NX-](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus7000/sw/system-management/guide/b_Cisco_Nexus_7000_Series_NX-OS_System_Management_Configuration_Guide-RI/configuring_online_diagnostics.html)

[OS_System_Management_Configuration_Guide-RI/ configuring_online_diagnostics.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/93x/system-management/bcisco-nexus-9000-series-nx-os-system-management-configuration-guide-93x/b-cisco-nexus-9000-seriesnxos-system-management-configuration-guide-93x_chapter_011010.html)

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

NEW QUESTION 133

A DNS server with IP address 192.168.1.1 is deployed in a data center A network engineer must configure a Cisco UCS Fabric Interconnect to use this DNS.

Which configuration should be applied?

- ☐ **Option A:**
 fcl-mgmt-A# scope system
 fcl-mgmt-A /system # create dns 192.168.1.1
 fcl-mgmt-A /system* # commit-buffer
- ☐ **Option B:**
 fcl-mgmt-A# scope fabric-interconnect a
 fcl-mgmt-A /fabric-interconnect # set name 192.168.1.1
 fcl-mgmt-A /fabric-interconnect # scope system
 fcl-mgmt-A /system # commit-buffer
- ☐ **Option C:**
 fcl-mgmt-A# scope fabric-interconnect a
 fcl-mgmt-A /fabric-interconnect # set name 192.168.1.1
 fcl-mgmt-A /fabric-interconnect* # commit-buffer
- ☒ **Option D:**
 fcl-mgmt-A# scope system
 fcl-mgmt-A /system # scope services
 fcl-mgmt-A /system/services # create dns 192.168.1.1
 fcl-mgmt-A /system/services* # commit-buffer

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

Answer: D

NEW QUESTION 136

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

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

- ☐ **Option A:**
 data1# scope sol
 data1 /sol # set enabled yes
 data1 /sol *# set encrypted tls1.2
 data1 /sol *# set port 3389
 data1 /sol *# set session max 2
 data1 /sol *# set deny-local yes
- ☐ **Option B:**
 data1# scope cimc
 data1 /cimc # set enabled yes
 data1 /cimc *# set encrypted tls
 data1 /cimc *# set kvm-port 1972
 data1 /cimc *# set max-sessions 1
 data1 /cimc *# set local-session deny
- ☐ **Option C:**
 data1# scope oob
 data1 /oob # set enabled no
 data1 /oob *# set encrypted yes
 data1 /oob *# set kvm-port 2068
 data1 /oob *# set max-sessions 1
 data1 /oob *# set local-access no
- ☒ **Option D:**
 data1# scope kvm
 data1 /kvm # set enabled yes
 data1 /kvm *# set encrypted yes
 data1 /kvm *# set kvm-port 3168
 data1 /kvm *# set max-sessions 1
 data1 /kvm *# set local-video no

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

Answer: D

NEW QUESTION 139

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

- A. event manager applet fcns_policyevent fcns entries max-per-switch 1500
action 1.0 syslog priority warnings msg FCNS DB entries have reached the EEM limit
action 2.0 policy-default
- B. event manager applet fcns_policy override _fcns_entries_max_per_switch
action 1.0 syslog priority errors "CNS DB entries have reached the EEM limit"
action 2.0 policy-default
- C. event manager applet fcns_policy override _fcns_entries_max_per_switch
event fcns entries max-per-switch 1500
action 1.0 syslog priority warnings msg FCNS DB entries have reached the EEM limit
- D. event manager applet fcns_policy action 1.0 syslog priority warnings msg FCNS DB entries have reached the EEM limit
action 2.0 event-default

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

Answer: C

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 fcns_policy override fcns_entries_max_per_switch
event fcns entries max-per-switch 1500 action 1.0 syslog priority warnings msg FCNS DB entries have reached the EEM limit.

NEW QUESTION 140

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.* 2. Assign a role to a user.
- B. * 1. Add the required privilege to the VDC-admin role.
- C. Commit the changes to the active user database.
- D. * 1. Modify a network-operator role and add the required privileges.* 2. Assign a VDC-operator role to a user.
- E. * 1. Assign the network-admin role to a user.* 2. Commit the role to the switch to the active user database

Answer: B

NEW QUESTION 145

What is a benefit of using Cisco Tetration?

- A. It collects telemetry data from servers and then uses software sensors to analyze flow information.
- B. It collects near-real time data from servers and inventories the software packages that exist on servers.
- C. It collects policy compliance data and process details.
- D. It collects enforcement data from servers and collects interpacket variation.

Answer: A

NEW QUESTION 150

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

- ④ event manager applet local- backup
 event cli match "copy running-config startup-config"
 action 1 cli copy running-config bootflash:/current_config.txt
 action 2 syslog msg Configuration saved and copied to bootflash
- event manager applet local- backup
 ④ event cli match "write memory"
 action 1 cli copy running-config bootflash:/current_config.txt
 action 2 snmp-trap strdata "Configuration saved and copied to bootflash"
- ④ event manager applet local- backup
 event cli match "copy running-config startup-config"
 action 1 cli copy running-config bootflash:/current_config.txt
 action 2 syslog msg Configuration saved and copied to bootflash
 action 3 event-default
- ④ event manager applet local- backup
 event cli match "write memory"
 action 1 cli copy running-config bootflash:/current_config.txt
 action 2 syslog msg Configuration saved and copied to bootflash
 action 3 event-default

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

Answer: C

Explanation:

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

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

NEW QUESTION 151

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. interface Overlay200otv join-interface Ethernet1/2 otv extend-vlan 178, 2500-2563otv use-adjacency-server 20.1.1.1 unicast-only
- B. interface Overlay200otv join-interface Ethernet1/2 otv extand-vlan 178, 2500-2563otv adjacency-server unicast-only
- C. interface Overlay200otv join-interface Ethernet1/2 otv extend-vlan 178, 2500-2563
- D. interface Overlay200otv join-interface Ethernet1/2 otv extend-vlan 178, 2500-2563otv use-adjacency-server 20.1.1.1 20.2.1.1 unicast-only

Answer: D

NEW QUESTION 155

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 based on a human-readable and easy to parse format such as XML or JSON. Which solution must be used to meet these requirements?

- A. SNMP
- B. REST API
- C. Ansible
- D. NETCONF

Answer: D

Explanation:

<https://www.cisco.com/c/en/us/products/collateral/ios-nx-os-software/ios-xe/nb-06-cisco-ios-xe-faq-en.html>

NEW QUESTION 159

Refer to the exhibit.

```
show install all impact epld bootflash:n9000-epld.6.1.2.I3.1.img
```

What is the outcome of this command when the EPLD is updated on a Cisco Nexus 9000 series switch?

- A. displays the compatibility of the EPLD upgrade and the image in the bootflash
- B. shows a simulated upgrade of the EPLD
- C. upgrades the EPLD on the switch disruptively
- D. displays the impact of the upgrade on the operation of the switch

Answer: D

Explanation:

You can use the show install impact epld bootflash: command to determine whether the EPLDs can be upgraded for all the modules or for specific modules on a switch. This command indicates the current EPLD images, new EPLD images, and whether the upgrades would be disruptive to switch operations. <https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/6-x/epld/n9k-epld-rn-61.html>

NEW QUESTION 164

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.

Answer: B

Explanation:

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

NEW QUESTION 165

An engineer must migrate a Cisco UCS C-Series server from Cisco SingleConnect to direct integration mode. The Cisco UCS Manager Rack Server Discovery Policy and Rack Management Connection Policy are set to immediate and Auto-Acknowledge. Which set of steps accomplishes this task?

- ☐ Disconnect the cables from the FEX.
Connect the cables to appliance ports on the fabric interconnect.
Reset the Cisco IMC of the server.
- ☐ Disconnect the cables from the FEX.
Connect the cables to server ports on the fabric interconnect.
Reset the Cisco IMC of the server.
- ☒ Disconnect the cables from the FEX.
Connect the cables to appliance ports on the fabric interconnect.
Reacknowledge the server.
- ☐ Disconnect the cables from the FEX.
Connect the cables to server ports on the fabric interconnect.
Reacknowledge the server.

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

Answer: D

NEW QUESTION 168

A customer reports Fibre Channel login requests to a cisco MDS 9000 series Switch from an unauthorized source. The customer requires a feature that will allow all devices already logged in and learned in and learned to be added to the Fibre channel active database. Which two features must be enabled to accomplish this goal?

(Choose two.)

- A. Auto-learning
- B. Port security
- C. Enhanced zoning
- D. Device aliases

E. Smart aliases

Answer: AB

Explanation:

https://www.cisco.com/en/US/docs/storage/san_switches/mds9000/sw/rel_3_x/configuration/guides/fm_3_3_1/p 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.

NEW QUESTION 170

Drag and drop the Hyperflex characteristics from the left onto the appropriate Hyper Hex node types on the right.

uses only SSD drives for caching

contains HDDs for the capacity layer

uses SSD drives or NVMe storage for caching

has SSD drives for the capacity layer

recommended for repeatable and sustainable high performance, especially for scenarios with a larger working set of data

recommended for capacity-sensitive solutions, lower budgets, and fewer performance-sensitive applications

Hybrid Node

All Flash Node

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

uses only SSD drives for caching

contains HDDs for the capacity layer

uses SSD drives or NVMe storage for caching

has SSD drives for the capacity layer

recommended for repeatable and sustainable high performance, especially for scenarios with a larger working set of data

recommended for capacity-sensitive solutions, lower budgets, and fewer performance-sensitive applications

Hybrid Node

uses only SSD drives for caching

contains HDDs for the capacity layer

recommended for capacity-sensitive solutions, lower budgets, and fewer performance-sensitive applications

All Flash Node

uses SSD drives or NVMe storage for caching

has SSD drives for the capacity layer

recommended for repeatable and sustainable high performance, especially for scenarios with a larger working set of data

NEW 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

Answer: A

NEW QUESTION 177

Refer to the exhibit.

```
#!/bin/env python
from cli import *

[ ]

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

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

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

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

Answer: D

NEW QUESTION 182

An engineer is implementing a Cisco ACI fabric and must use static VLAN range as part of a VMM deployment. The static VLAN must be incorporated into the dynamic VLAN pool. The existing VLAN pool is set for dynamic allocation. Which action accomplishes this goal?

- A. Add the VLAN to the pool configured with Inherit Allocation Mode from parent.
- B. Change the existing VLAN pool to static allocation mode.
- C. Add a static VLAN allocation range to the VLAN pool.
- D. Create a static reservation within the dynamic VLAN pool.

Answer: C

NEW QUESTION 185

A network architect considers a Cisco HyperFlex design solution for a company. The proposed solution is for a virtual environment that is not performance-sensitive, but the solution must have high storage capacity and a low cost. Which Cisco HyperFlex storage configuration should be used?

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

Answer: B

Explanation:

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

NEW QUESTION 186

Refer to the exhibit


```
MDS-B# show role
Role: network-admin
Description: Predefined Network Admin group. This role cannot be modified.
Vsan policy: permit (default)
-----
Rule    Type    Command-type    Feature
-----
1       permit  clear           *
2       permit  config          *
3       permit  debug           *
4       permit  exec            *
5       permit  show            *

Role: default-role
Description: This is a system defined role and applies to all users.
Vsan policy: permit (default)
-----
Rule    Type    Command-type    Feature
-----
1       permit  show            system
2       permit  show            snmp
3       permit  show            module
4       permit  show            hardware
5       permit  show            environment

Role: san-users
Description: SAN users
Vsan policy: permit (default)
-----
```

A network engineer created a new role to be assigned to the SAN users. The requirement is for users to have these characteristics:

- permitted to show access to the system, SNMP, module, and hardware information
- permitted to run debug zone and exec fcping commands
- restricted from accessing show feature environment command

Which configuration set meets these requirements?

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

Answer: D

NEW QUESTION 188

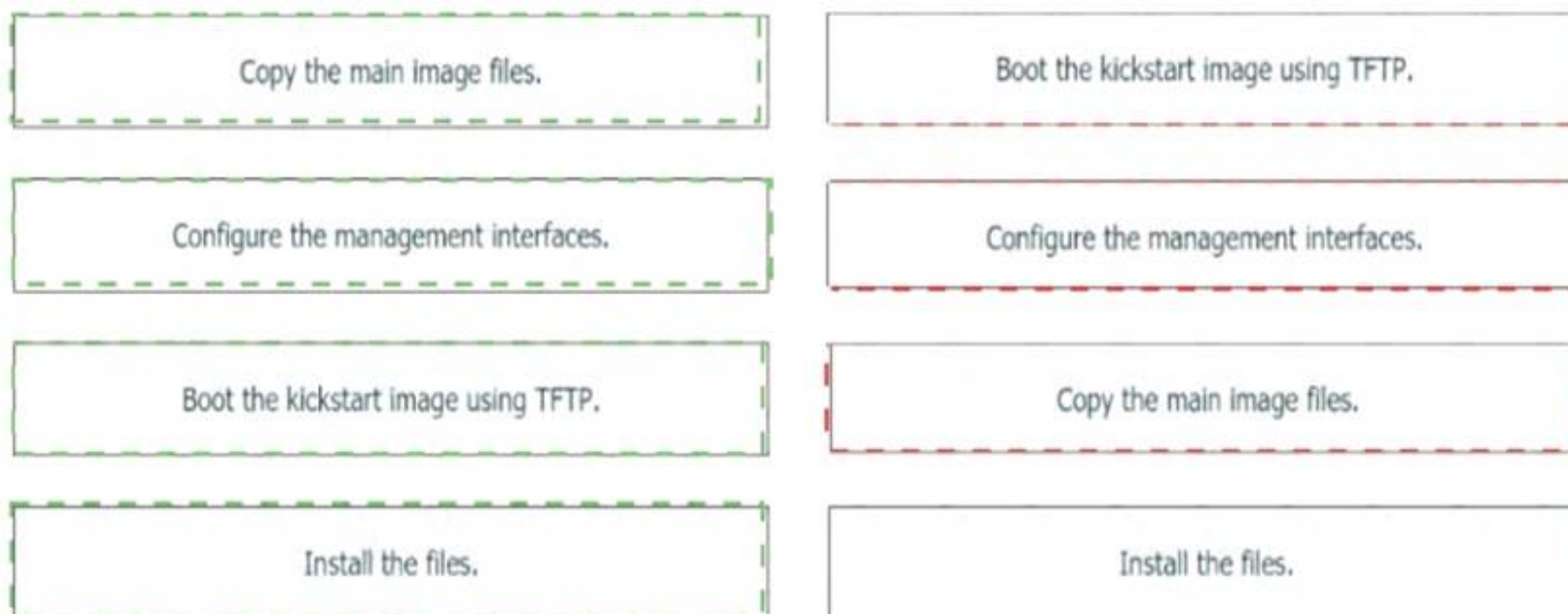
Drag and drop the steps on the left onto the order that they must be implemented on the right to recover a fabric interconnect when there is no working image on the bootflash.

Copy the main image files.	step 1
Configure the management interfaces.	step 2
Boot the kickstart image using TFTP.	step 3
Install the files.	step 4

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 190

A content delivery network sends video traffic to a multicast distribution device where the receiver requests the traffic from the multicast distribution device through an IGMP join message. When the traffic reaches the multicast routing device from a CDN, the switching network populates the multicast routing table in the group (S, G) and the multicast distribution device sends the required traffic back to the receiver. Which feature is used to send back the traffic from the streamer to the receiver in the group (S, G)?

- A. RP
- B. IGMP
- C. Reverse Path Forwarding
- D. Source Specific Multicast

Answer: C

NEW QUESTION 192

Refer to the exhibit.

```

; Router 1 configuration
interface loopback1
 ip address 10.10.32.121/30
 ip ospf network point-to-point
 ip router ospf 1 area 0.0.0.0
 ip pim sparse-mode

ip pim rp-address 10.10.32.122 group-list 225.0.0.0/8 bi-dir
    
```

In a bidirectional PIM network using Phantom RP as an RP redundancy mechanism, two Cisco NX-OS routers have these requirements:

- R1 must be the active RP.
- R2 must be the backup RP that is used only if R1 is not reachable.

Drag and drop the configuration steps to complete the configuration for Router 2. Not all configuration steps are used.

```

; Router 2 configuration
interface loopback1
 ip address 
 ip ospf network 
 ip router ospf 1 area 0.0.0.0
 ip pim 

ip pim rp-address  group-list 225.0.0.0/8 bi-dir
    
```

- | | | | |
|-----------------|--------------|----------------|------------|
| 10.10.32.121/32 | 10.10.32.121 | point-to-point | broadcast |
| 10.10.32.121/29 | 10.10.32.122 | sparse-mode | dense-mode |

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, text, application Description automatically generated

Answer :

ip address 10.10.32.121/29

ip ospf network point-to-point

router ospf 1 area 0.0.0.0

ip pim sparse-mode

ip pim rp-address 10.10.32.122 group-list 255.0.0.0/8 bi-dir

NEW QUESTION 197

An engineer installed a new Nexus switch with the mgm0interface 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 NX-OS?

- ☐ [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

Answer: B

NEW QUESTION 198

Which feature is supported with an In-Service Software Upgrade on a Cisco Nexus 9000 Series Switch?

- A. configuration changes during an upgrade
- B. nondisruptive upgrades via nonstop forwarding
- C. zero downtime downgrades via dual supervisor modules
- D. upgrades to Individual modules and line cards

Answer: B

NEW QUESTION 203

An engineer configures a role for a new user in Cisco UCS Manager The role should allow the user to configure vHBAs, vNICs, and server port types. Which role should be assigned to allow the engineer to complete this task?

- A. network administrator
- B. operations
- C. server-compute
- D. AAA administrator

Answer: A

NEW QUESTION 207

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

Answer: C

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-computing-system/200221- Auto-negotiation-not-enabling-by-default.html

NEW QUESTION 209

Refer to the exhibit.

```
switch# show vpc brief
Legend:
      (*) - local vPC is down, forwarding via vPC peer-link

vPC domain id          : 10
Peer status             : peer adjacency formed ok
vPC keep-alive status   : peer is alive
Configuration consistency status: success
Type-2 consistency status : success
vPC role                : primary
Number of vPCs configured : 1
Peer Gateway            : Enabled
Dual-active excluded VLANs : -

vPC Peer-link status
-----
id  Port  Status Active vlans
--  ---  -----
1   Po20  up    100-105

vPC status
-----
id  Port  Status Consistency Reason           Active vlans
--  ---  -----
7   Po7   up    success success           100-104
8   Po8   up    success success           100-102
9   Po9   up    success success           100-103
```

Which VLANs are capable to be assigned on vPC interfaces?

- A. 100-103
- B. 100-104
- C. 100-102
- D. 100-105

Answer: D

NEW QUESTION 211

An engineer must export the Cisco UCS Manager configuration for backup purposes. The requirement is to export the configuration that contains the AAA and RBAC configuration Also the file must be stored a human-readable format 'Much backup type must be selected to meet these requirements?

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

Answer: B

NEW QUESTION 216

Refer to the exhibit.

```
N7Switch# sh run | section callhome
callhome
email-contact admin@acme.com
phone-contact +1-800-123-4567
streetaddress 111 Somestreet st. Sometown, Somewhere
destination-profile full_txt email-addr netadmin@acme.com
transport email smtp-server 192.168.1.25 port 25
transport email from N7Switch@acme.com
enable
alert-group Inventory user-def-cmd show logging last 100
N7Switch#
```

A network engineer is configuring the Smart Call Home feature on a Cisco Nexus Series Switch. An email must be generated that contains the last 100 lines of the log every time a new piece of hardware is inserted into the chassis. Which command must be added to the configuration to receive the email?

- A. alert-group Linecard-Hardware user-def-cmd show logging last 100
- B. destination-profile Operations alert-group Inventory
- C. destination-profile Operations message-level 2
- D. alert-group Operations user-def-cmd show logging last 100

Answer: A

NEW QUESTION 220

A network engineer must migrate a Cisco WSA virtual appliance from one physical host to another physical host by using VMware vMotion. What is a requirement

for both physical hosts?

- A. The hosts must run Cisco AsyncOS 10.0 or greater.
- B. The hosts must have access to the same defined network.
- C. The hosts must run different versions of Cisco AsyncOS.
- D. The hosts must use a different datastore than the virtual appliance

Answer: B

NEW QUESTION 225

An engineer is implementing the Cisco ACI fabric and must create two different vPCs from leaf switches A and B. The vPCs are deployed as follows:

- vPC 1 encompasses ports Eth 1 /1 on leaf A and B and connects to server 1.
- vPC 2 encompasses port Eth1/2 on leaf A and B and connects to server 2.

A leaf switch profile listing leaves A and B is already configured Which ACI object must be created to meet these requirements?

- A. two vPC interface policy groups
- B. one access port interface policy group
- C. two PortChannel interface policy groups
- D. one vPC interface policy group

Answer: A

NEW QUESTION 229

An engineer must implement the FCoE on the Cisco Nexus 9000 Series Switch-based infrastructure. The deployment will contain dual-homed fabric extenders and must support jumbo frames with port channels. Which two sets of actions complete the configuration? (Choose two.)

- ☒ Configure the interface with mtu 9516.
Disable the feature NPIV.
- ☒ Create a virtual Fibre Channel interface.
Bind vFC to physical interface.
- ☐ Create a FCoE switch profile.
Enable config sync.
- ☐ Create a dedicated VSAN for FEX.
Bind VSAN to FEX uplinks.
- ☐ Execute fcoe enable-fex.
Configure FEX uplinks with mtu 9216.

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

Answer: BE

NEW QUESTION 231

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.

Answer: C

Explanation:

https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/CLI-User-Guides/Firmware-Mgmt/ Graphical user interface, text, application, email
 Description automatically generated

Step 6	UCS-A /chassis/server/adapter # activate firmware version-num [set- startup-only]	Activates the selected firmware version on the adapter. Use the set-startup-only keyword if you want to move the activated firmware into the pending-next-boot state and not immediately reboot the server. The activated firmware does not become the running version of firmware on the adapter until the server is rebooted. You cannot use the set-startup-only keyword for an adapter in the host firmware package.
--------	--	---

NEW QUESTION 235

An engineer must configure the HSRP protocol to implement redundancy using two Cisco Nexus Series Switches In addition, the HSRP must meet these requirements

- Switch1 must retain the primary role if switch2 goes offline
 - Switch1 must retain the primary role until normal conditions are restored.
 - Switch1 and switch2 must ensure that the routing tables are converged before taking the active role
 - switch2 must retain the primary role if the default gateway is not reachable Drag and drop the configuration commands from the right to the left to meet the requirements. The commands
- are used more than once Not all commands are used

```
! switch1
track 100 ip route 0.0.0.0/0 reachability

interface ethernet 1/1
ip 209.165.200.226/27

hsrp 200
ip 209.165.200.225
priority 210
[ ]
[ ]
no shutdown

! switch2
track 100 ip route 0.0.0.0/0 reachability

interface ethernet 1/1
ip 209.165.200.227/27

hsrp 200
ip 209.165.200.225
[ ]
[ ]
no shutdown
```

- preempt delay minimum 30
- track 100 decrement 200
- track 200 decrement200
- preempt sync 30

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

```
! switch1
track 100 ip route 0.0.0.0/0 reachability

interface ethernet 1/1
ip 209.165.200.226/27

hsrp 200
ip 209.165.200.225
priority 210
track 100 decrement 200
preempt delay minimum 30
no shutdown

! switch2
track 100 ip route 0.0.0.0/0 reachability

interface ethernet 1/1
ip 209.165.200.227/27

hsrp 200
ip 209.165.200.225
track 100 decrement 200
preempt delay minimum 30
no shutdown
```

- preempt delay minimum 30
- track 100 decrement 200
- track 200 decrement200
- preempt sync 30

NEW QUESTION 240

A network engineer needs to upgrade the EPLDs of the fabric modules for a Cisco MDS director-class switch. In which order are components reloaded during the process?

- A. one fabric module at the time
- B. all fabric modules followed by the entire switching platform
- C. all fabric modules in parallel
- D. one module and one supervisor at the time

Answer: C

Explanation:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/7_3/release_notes/epld/epld_rn_7x.html

Graphical user interface, text, application Description automatically generated

Installing a Fabric Module EPLD Update

The Cisco MDS 9700 series and Cisco MDS 9513 director class switch have dedicated fabric modules. These modules contain EPLDs, which can be upgraded as described in this section. All other Cisco MDS switches do not have these modules, so this process is not applicable for them.

For Cisco MDS 9700 Series of switches, use the `install all epld uri parallel xbar-module slot` command to update EPLD images on the fabric modules. This process reloads the updated module. To ensure that the data traffic performance is not affected while the module is reloading, check the fabric bandwidth utilization by using the `show hardware fabric-utilization detail` command. If there is adequate reserve fabric bandwidth available before the update starts, then the update will be nondisruptive.

NEW QUESTION 244

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.

Answer: C

NEW QUESTION 247

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

Answer: CD

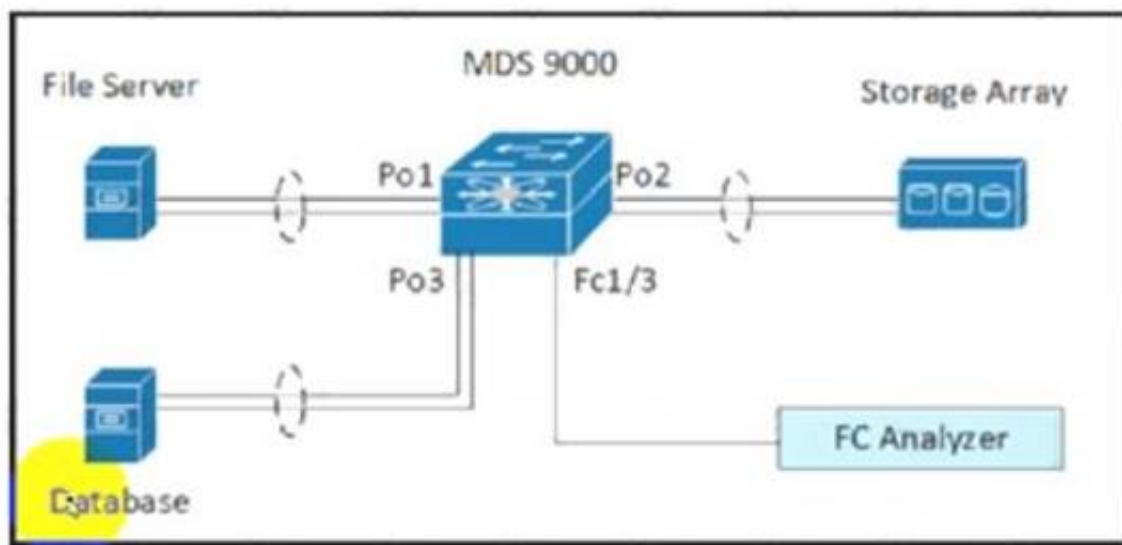
Explanation:

<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

NEW QUESTION 252

Refer to the exhibit.



```

interface port-channel 1
  channel mode active
interface port-channel 2
  channel mode active
interface fcl/1-2
  channel-group 1
  no shutdown
interface fcl/4-5
  channel-group 2
  no shutdown
interface fcl/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
  
```

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: B

NEW QUESTION 254

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

Answer: A

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

Authentication

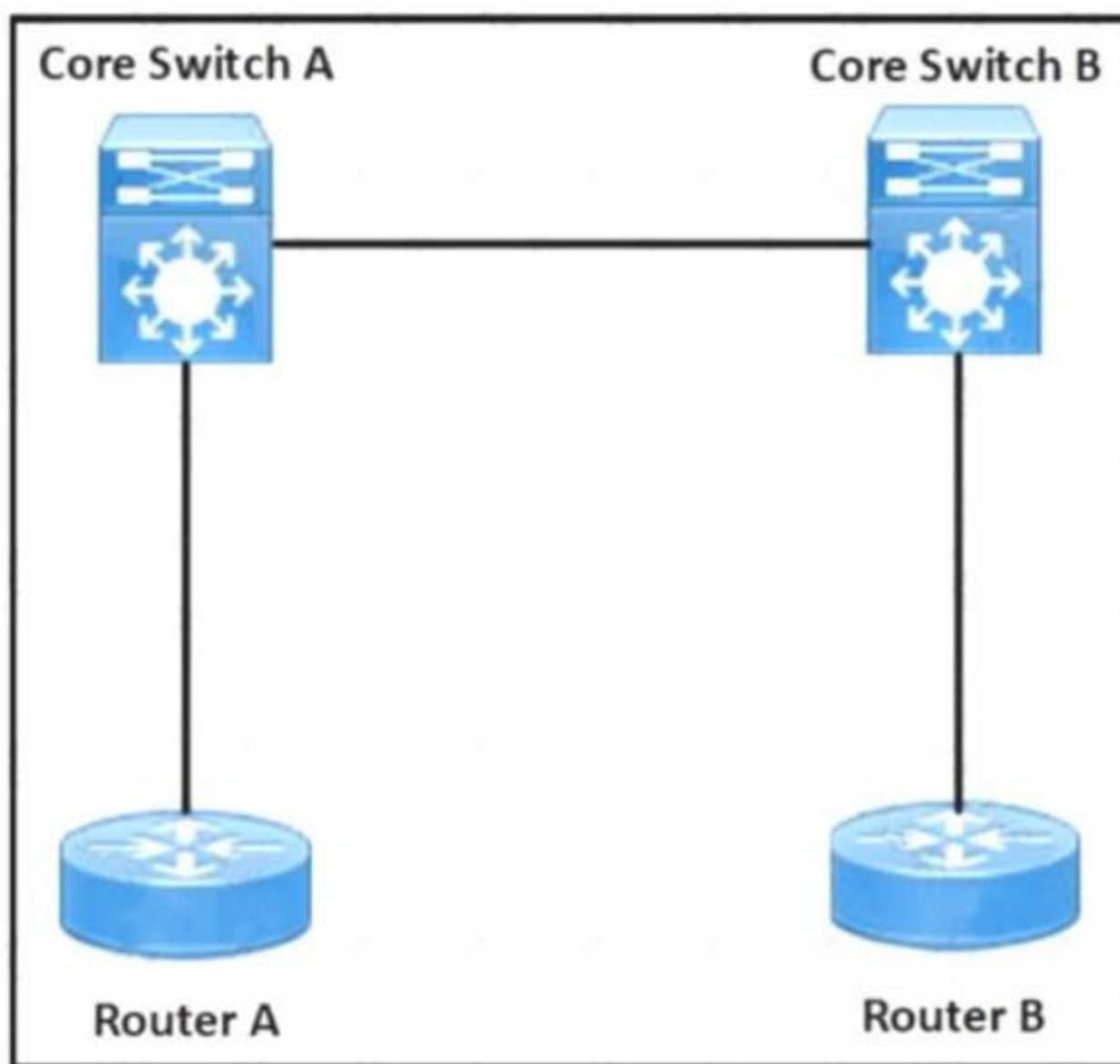
REST API username- and password-based authentication uses a special subset of request Universal Resource Identifiers (URIs), including **aaaLogin**, **aaaLogout**, and **aaaRefresh** as the DN targets of a POST operation. Their payloads contain a simple XML or JSON payload containing the MO representation of an **aaaUser** object with the attribute name and **pwd** defining the username and password: for example, **<aaaUser name='admin' pwd='password'/>**. The response to the POST operation will contain an authentication token as both a Set-Cookie header and an attribute to the **aaaLogin** object in the response named **token**, for which the XPath is **/imdata/aaaLogin/@token** if the encoding is XML. Subsequent operations on the REST API can use this token value as a cookie named **APIC-cookie** to authenticate future requests.

Subscription

The REST API supports the subscription to one or more MOs during your active API session. When any MO is created, changed, or deleted because of a user- or system-initiated action, an event is generated. If the event changes the data on any of the active subscribed queries, the APIC will send out a notification to the API client that created the subscription.

NEW QUESTION 256

Refer to the exhibit.



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

vlan 10
  vn-segment 10010

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

A network engineer configures the VXLAN between the routers in a data center. The VLAN 10 must be extended between routers A and B. The initial VXLAN configuration is completed on Router A. Which configuration finishes the VXLAN configuration on Router A?

A.

```
vrf context tenant1
vni 10010
```

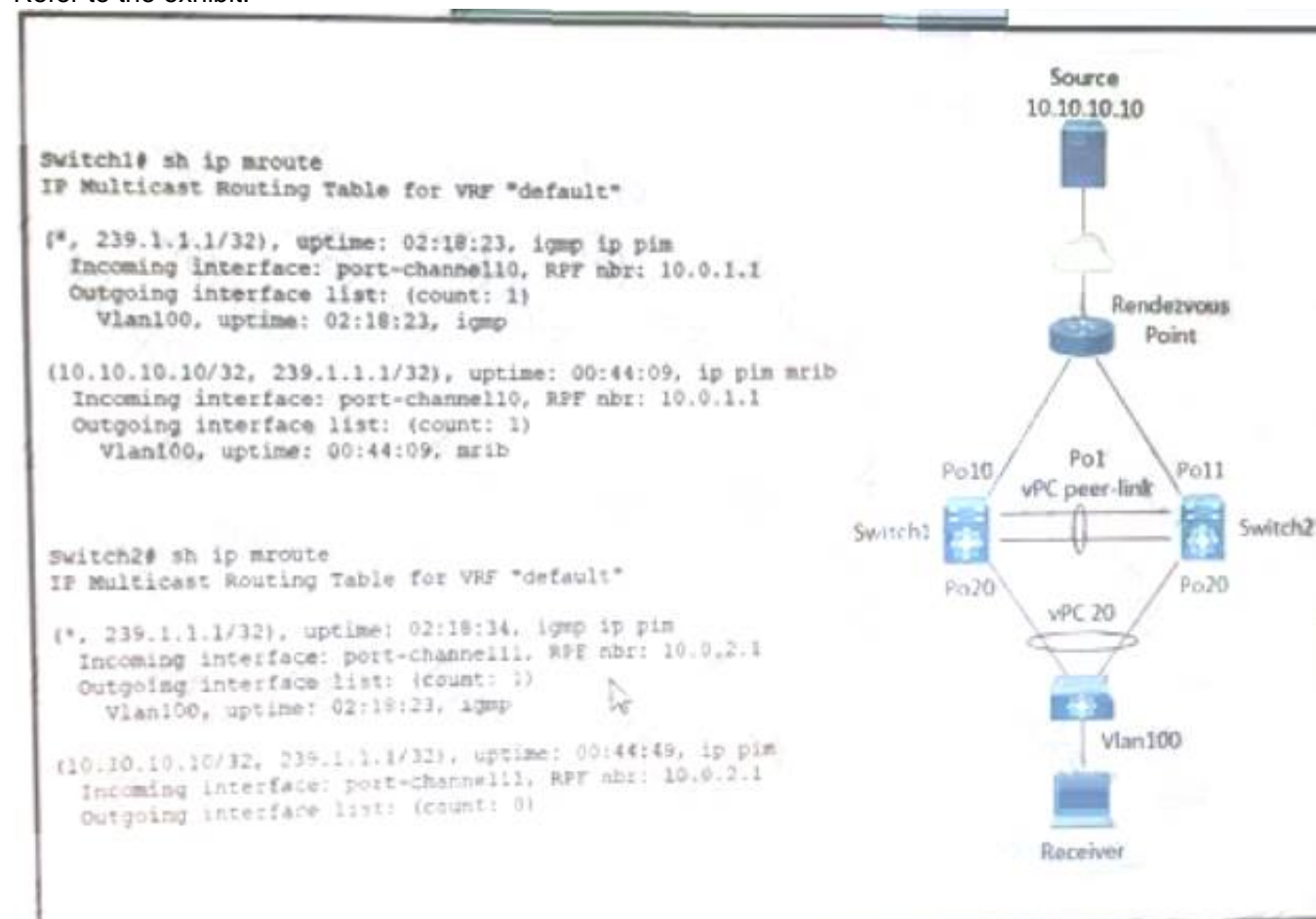
```
Interface nve1
source-interface lo0
no shutdown
member vni 10010 interface 10.10.0.1
```


- B. **system bridge-domain 10**
member vni 10010
interface nve1
no shutdown
source-interface lo0
- C. **Interface nve1**
no shutdown
source-interface lo0
vni 10100 I2
rd auto
- D. **Interface nve1**
no shutdown
source-interface lo0
member vni 10010 mcast-group 231.1.1.1

Answer: C

NEW QUESTION 257

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.

Answer: C

Explanation:

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

NEW QUESTION 258

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

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

Answer: BE

Explanation:

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

NEW QUESTION 261

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

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

Answer: C

Explanation:

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

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

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

NEW QUESTION 265

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.

Answer: C

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/aci-fundamentals/b_ACI-Fundament

NEW QUESTION 270

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

Answer: C

Explanation:

https://www.cisco.com/en/US/docs/unified_computing/ucs/sw/cli/config/guide/1.4.1/CLI_Config_Guide_1_4_1
 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 #
```

NEW QUESTION 274

Which two settings must be configured before enabling a Cisco UCS Manager domain for Cisco Intersight connectivity? (Choose two.)

- A. syslog redirection
- B. DNS servers
- C. SMTP servers
- D. NTP servers
- E. SMTP reply-to-address

Answer: BD

Explanation:

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

NEW QUESTION 277

An engineer must configure OSPF routing on Cisco Nexus 9000 Series Switches. The IP subnet of the Eth 1/2 interface for both switches must be advertised via OSPF. However, these interfaces must not establish OSPF adjacency or send routing updates. The current OSPF adjacency over the interface Eth1/1 on SW1 and Eth1/1 on SW2 must remain unaffected. Which configuration must be applied to both Nexus switches to meet these requirements?

- A. interface ethernet 1/2passive-interface default
- B. Interface ethernet 1/2lp ospf network point-to-point
- C. interface ethernet 1/2ip ospf passive-interface
- D. interface ethernet 1/2no ip ospf passive-Interface

Answer: C

NEW QUESTION 281

Refer to the exhibit.

```
switch# show install all impact epld n9000-epld.9.2.1.img
Compatibility check:
Module      Type      Upgradable      Impact      Reason
-----
1           SUP      YES             disruptive   Module Upgradable

Retrieving EPLD versions... Please wait.

Images will be upgraded according to following table:
Module  Type  EPLD      Running-Version  New-Version  Upg-Required
-----
1       SUP  MI FPGA   0x23             0x23         No
1       SUP  IO FPGA   0x06             0x06         No
1       SUP  MI FPGA2  0x23             0x23         No
```

A network engineer plans to upgrade the current software images of a Cisco Nexus switch. What is the impact of starting the EPLD upgrade?

- A. The switch reboots one time for the new EPLD versions to take effect.
- B. The switch reboots multiple times for the new EPLD versions to take effect.
- C. The switch skips the EPLD upgrade for each EPLD device of the switch.
- D. The switch skips the EPLD upgrade for MIFPGA and proceeds with the other EPLD devices.

Answer: C

Explanation:

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

NEW QUESTION 285

A network architect wants to propose a scalable network monitoring solution in which data is repeatedly acquired from network devices. The solution must use a push model and provide close to realtime access to operational data. Which technology must be used to meet these requirements?

- A. streaming telemetry
- B. logging
- C. SNMPv3
- D. CLI-based scripting

Answer: A

Explanation:

<https://blogs.cisco.com/developer/its-time-to-move-away-from-snmp-and-cli-and-use-model-driven-telemetry>

Why Model-Driven Telemetry?

Model-Driven Telemetry is a new approach for network monitoring in which data is streamed from network devices continuously using a push model and provides near real-time access to operational statistics. You can precisely define what data you want to subscribe to using standard YANG models (YANG is a data modeling language used to model configuration and state data manipulated by the NETCONF protocol) with no CLI required. It allows network devices to continuously stream real time configuration and operating state information to subscribers. Structured data is published at a defined cadence, or on-change, based upon the subscription criteria and data type.

NEW QUESTION 286

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

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

Answer: C

Explanation:

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/system_management/503_n1_1/cisco_n5k_system_mgmt_cg_rel_503_n1_1_chapter11.pdf
https://www.google.com/url?sa=t&source=web&rct=j&url=https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/system_management/503_n1_1/cisco_n5k_system_mgmt_cg_rel_503_n1_1_chapter11.pdf&ved=2ahUKEwjQ8ubTuK3xAhWm3jgGHZ9gB0oQFjAAegQIBRAC&usg=AOvVaw2j0nnvXiChAoVoxxX2Qx0g

NEW QUESTION 287

A host EPG Client wants to talk to a webserver in EPG 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.

Answer: D

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

NEW QUESTION 289

Refer to the exhibit.

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

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

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

Which configuration must be added to meet these requirements?

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

Answer: C

NEW QUESTION 294

Drag and drop the storage technologies from the left onto the correct descriptions on the right.

NFSv2	uses client machine authentication
Kerberos	uses users authentication
NFSv4	authenticates clients and servers in NFSv4
RADIUS	authenticates clients to corporate directory systems

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Application Description automatically generated

The release of NFSv4 brought a revolution to authentication and security to NFS exports. NFSv4 mandates the implementation of the RPCSEC_GSS kernel module, the Kerberos version 5 GSS-API mechanism, SPKM-3, and LIPKEY. With NFSv4, the mandatory security mechanisms are oriented towards authenticating individual users, and not client machines as used in NFSv2 and NFSv3. https://web.mit.edu/rhel-doc/5/RHEL-5-manual/Deployment_Guide-en-US/s1-nfs-security.html

NEW QUESTION 297

An engineer must configure the remote SSH management connectivity for Cisco Nexus 9000 Series Switches to meet these requirements

- The connectivity must be permitted from a jump host with an IP address of 10.10.10.10/24
- All switches must be permitted to connect via SSH to other devices from the subnet of 10.20.20.0/24. Which configuration set accomplishes these requirements?

- ☒ line vty
 ip access-class acl-1 out
 ip access-class acl-2 in
- ip access-list acl-1
 permit ip 10.10.10.10/32 any
 ip access-list acl-2
 permit tcp 10.20.20.0/32 any
- ☐ line vty
 ip access-class acl-1 in
 ip access-class acl-2 out
- ip access-list acl-1
 permit tcp 10.10.10.10/32 any eq 22
 ip access-list acl-2
 permit tcp 10.20.20.0/24 any
- ☐ line vty
 ip access-class acl-1 in
 ip access-class acl-2 in
- ip access-list acl-1
 permit ip 10.10.10.10/32 any
 ip access-list acl-2
 permit tcp 10.20.20.0/32 any
- ☐ line vty
 ip access-class acl-1 in
 ip access-class acl-2 in
- ip access-list acl-1
 permit tcp 10.10.10.10/32 any eq 22
 ip access-list acl-2
 permit tcp 10.20.20.0/24 any

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

Answer: B

NEW QUESTION 300

Which communication method does NFS use for requests between servers and clients?

- A. XDR
 B. SSC
 C. PRC
 D. SMB

Answer: C

Explanation:

<https://www-uxsup.csx.cam.ac.uk/pub/doc/redhat/WS2.1/rhl-rg-en-7.2/ch-nfs.html>

NEW QUESTION 301

Refer to the exhibit.

```
vlan 10
 fcoe vsan 10

interface ethernet 1/3
 spanning-tree port type edge trunk
 switchport mode trunk
 switchport trunk allowed vlan 1, 10
```

An engineer must configure FCoE on a Cisco Nexus switch. Which two command sets complete this configuration? (Choose two.)

☒ interface vfc 10
bind interface fcoe-vfc 1/3
no shut

☐ vsan database
vsan 10 interface ethernet 1/3

☒ interface fcoe 10
bind interface ethernet 1/3
no shut

☐ interface vfc 10
bind interface ethernet 1/3
no shut

☐ vsan database
vsan 10 interface vfc 10

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

Answer: DE

Explanation:

```
switch# configure terminal

switch(config)# vsan database

switch(config-vsan)# vsan 2 interface vfc 4
```

This example shows how to bind a virtual Fibre Channel interface to an Ethernet interface:

```
switch# configure terminal

switch(config)# interface vfc 4

switch(config-if)# bind interface ethernet 1/4
```

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/fcoe/421_n1_1/b_Cisco_n5k_fcoe_config_gd_re_421_n1_1/Cisco_n5k_fcoe_config_gd_re_421_n1_1_chapter4.html

NEW QUESTION 305

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

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

Answer: B

NEW QUESTION 308

An engineer is implementing NetFlow on a Cisco Nexus 7000 Series Switch. Drag and drop the NetFlow commands from the left into the correct order they must be entered on the right.

N7K-1(config)# interface <interface> N7K-1(config-if)# ip flow monitor NetflowMonitor input	Step 1
N7K-1(config)# feature netflow	Step 2
N7K-1(config)# flow exporter NetflowMonitor N7K-1(config)# flow record NetflowMonitor	Step 3
N7K-1(config)# flow monitor NetflowMonitor	Step 4

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

- 1- feature netflow
- 2- flow exporter
- 3- flow monitor
- 4- interface<interface>

NEW QUESTION 309

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

Answer: D

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_

NEW QUESTION 311

Refer to the exhibit.

```
show incompatibility-all system bootflash:n7000-s1-dk9.4.2.4.bin
```

Software downgrade is required on a Cisco Nexus 7000 Series Switch. What is displayed when this command is executed?

- A. features and commands that are removed automatically from the configuration
- B. features that are enabled automatically after the downgrade
- C. compatibility of software in the system bootflash file
- D. impact of a software upgrade in ISSU and chassis reload

Answer: A

NEW QUESTION 315

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

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

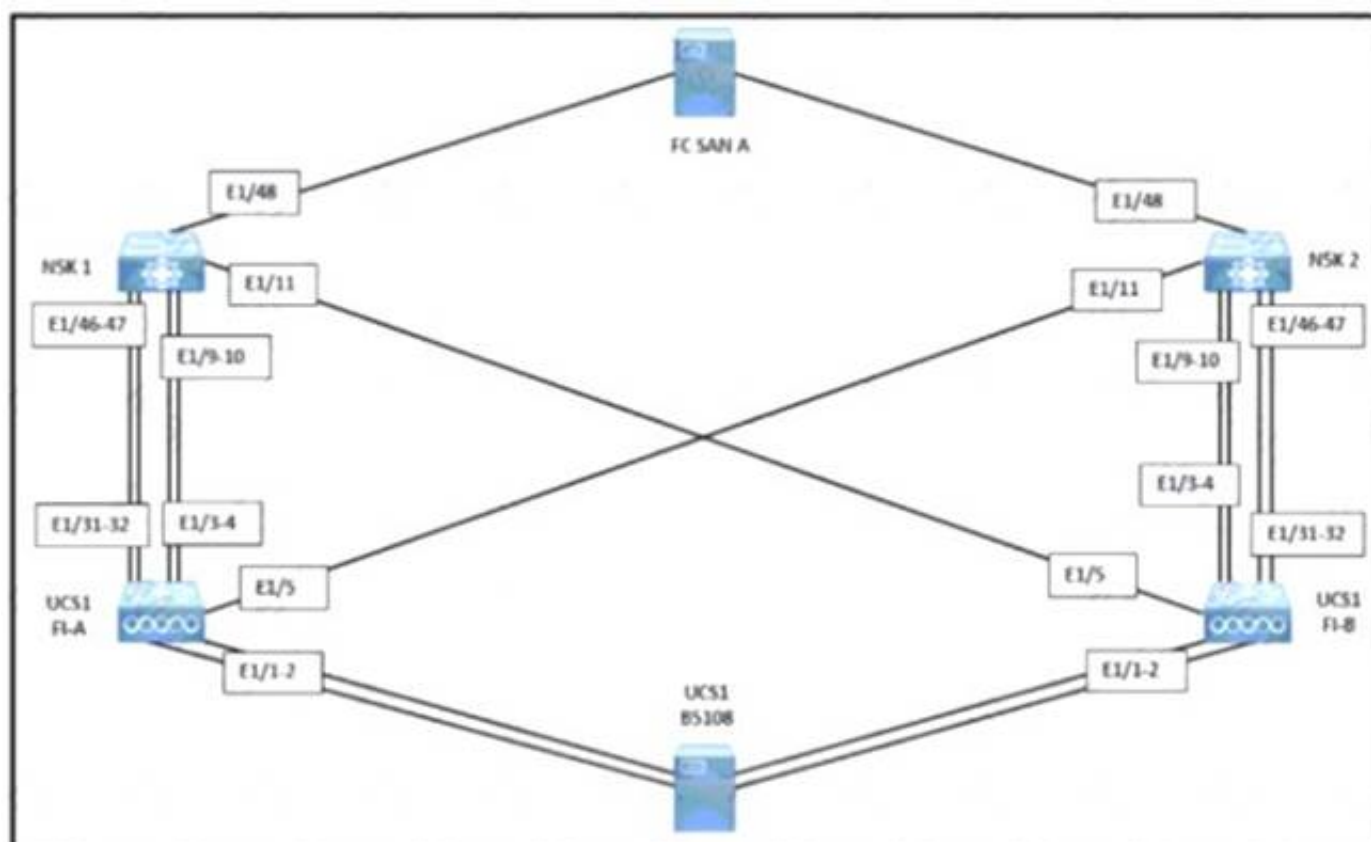
Private Cloud: owned, managed, and operated by a single organization.

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

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

NEW QUESTION 318

Refer to the exhibit.



A network engineer must configure port E1/31- 32 to forward only storage server traffic of VLAN 200 on Cisco fabric interconnects A and B. Port E1/31- 32 is not reserved for any other traffic. Which port type must be configured to accomplish this goal?

- A. unified uplink
- B. uplink
- C. FCoE uplink
- D. FCoE storage

Answer: C

NEW QUESTION 323

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

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

Answer: AE

Explanation:

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

NEW QUESTION 326

A customer data center experiences bandwidth contention that affects the servers connected to the NPV enabled switch. The NPV switch is connected to the NPV switch using two 10 Gb uplinks, but the traffic originating from the connected hosts to the core switch exceeds the available bandwidth. The engineers decided to add a third uplink to the NPV server to increase the available bandwidth. Which set of commands must be used to provision the new uplink?

- Ⓐ switch2(config)# npv auto-load-balance disruptive
 I uplink to NPV Core
 switch2(config-if)# switchport mode np
- Ⓑ switch2(config)# port-channel load-balance ethernet source-dest-port
 I uplink to NPV Core
 switch2(config-if)# switchport mode np
- Ⓒ switch2(config)# npv traffic-map server-interface
 I uplink to NPV Core
 switch2(config-if)# switchport mode npiv
- Ⓓ switch2(config)# npv auto-load-balance
 I uplink to NPV Core
 switch2(config-if)# switchport mode npiv

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

Answer: B

NEW QUESTION 328

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

Answer: B

NEW QUESTION 330

An engineer must configure a monitoring solution for a Cisco Nexus 9000 Series Switch based data center. The solution must provide real-time insight into the network health with subscription-based monitoring. The monitoring must be initiated from the client side, and the data must be sent via encryption. Which configuration steps complete the configuration?

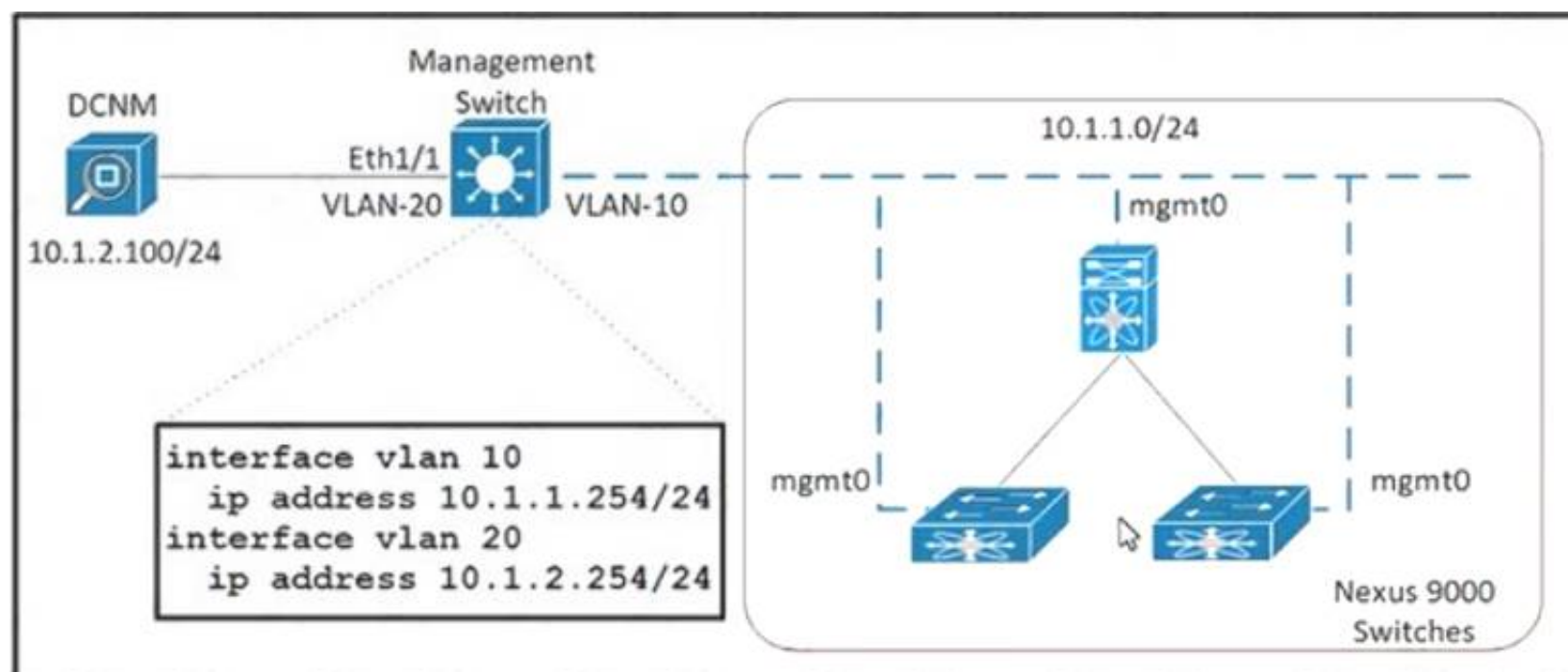
- ☐ Set the telemetry feature on the Nexus switch.
Specify a certificate for telemetry transport.
Configure a sensor group and destination.
- ☒ Enable GRPC on the Nexus switch.
Generate a certificate.
Configure gNMI inputs in Telegraf and output to InfluxDB.
- ☐ Configure Grafana on the Nexus switch.
Specify the logging certificate.
Enable syslog level 7 export to Grafana.
- ☐ Activate SNMPv3 on the Nexus switch.
Set the globalEnforcePriv parameter.
Configure an SNMP agent to poll information.

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

Answer: A

NEW QUESTION 335

Refer to the exhibit.



An engineer must deploy 70 Cisco Nexus 9000 Series Switches in a new environment. The requirement is to use Cisco DCNM as a management tool to deploy, manage and monitor the new switches. In addition, DCNM is configured with a zero-touch POAP feature to facilitate fabric creation. Which action meets these requirements?

- A. Configure SNMP on the new Nexus switches to send SNMP messages to the DCNM server
- B. Create a SPAN session on the management switch to send the traffic from VLAN 10 to Ethernet 1/1.
- C. Configure an IP helper address on interface VLAN 10 of the management switch
- D. Create common credentials on all of the new Nexus switches

Answer: C

NEW QUESTION 336

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

Answer: B

Explanation:

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

NEW QUESTION 338

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 file to provision the targets?

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

Answer: A

NEW QUESTION 343

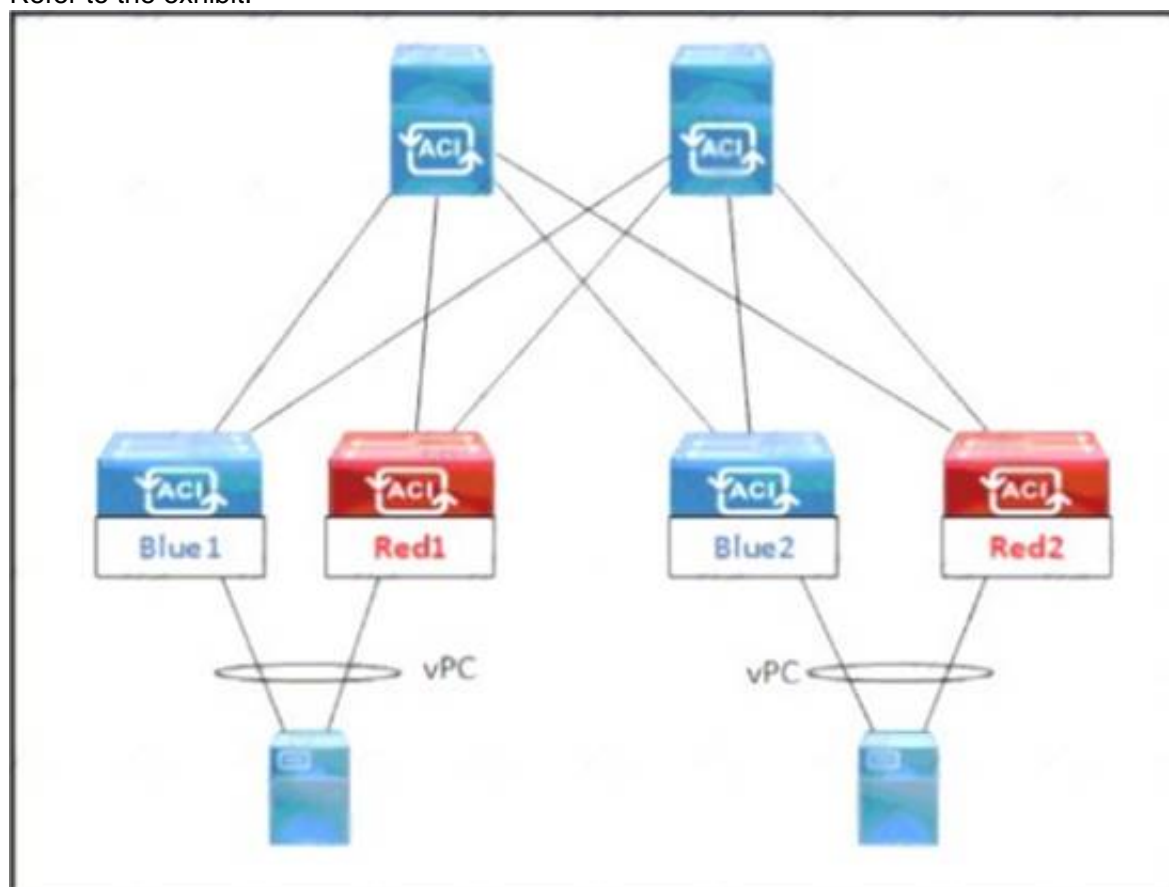
An engineer must allow communication between the APIC controller and an OpenStack OpFlex agent. The agent is running on a compute node directly plugged to a Cisco ACI leaf switch. The engineer must enable and extend Infra VLAN on the port facing the compute and extend the Infra VLAN to the host. Which action must be taken to meet these requirements?

- A. Enable the Infra VLAN on the Interface Profile policy
- B. Enable the Infra VLAN on the Attachable Access Entity Profile.
- C. Add the infra VLAN via the physical domain.
- D. Add the infra VLAN via the VMM domain.

Answer: C

NEW QUESTION 346

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

Answer: D

NEW QUESTION 347

An engineer performs a Cisco UCS C480 ML M5 installation from a Cisco UCS Manager As a part of the design the server must perform an iSCSI boot from the storage array Which configuration must be performed in the SAN settings in the root organization to satisfy that condition?

- A. Implement a WWPN pool
- B. Create a virtual iSCSI vNIC
- C. Enable a host SAN pool
- D. Create an IQN suffix pool

Answer: D

NEW QUESTION 350

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

Answer: C

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.

NEW QUESTION 355

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

Answer: C

Explanation:

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

- [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

NEW QUESTION 357

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.

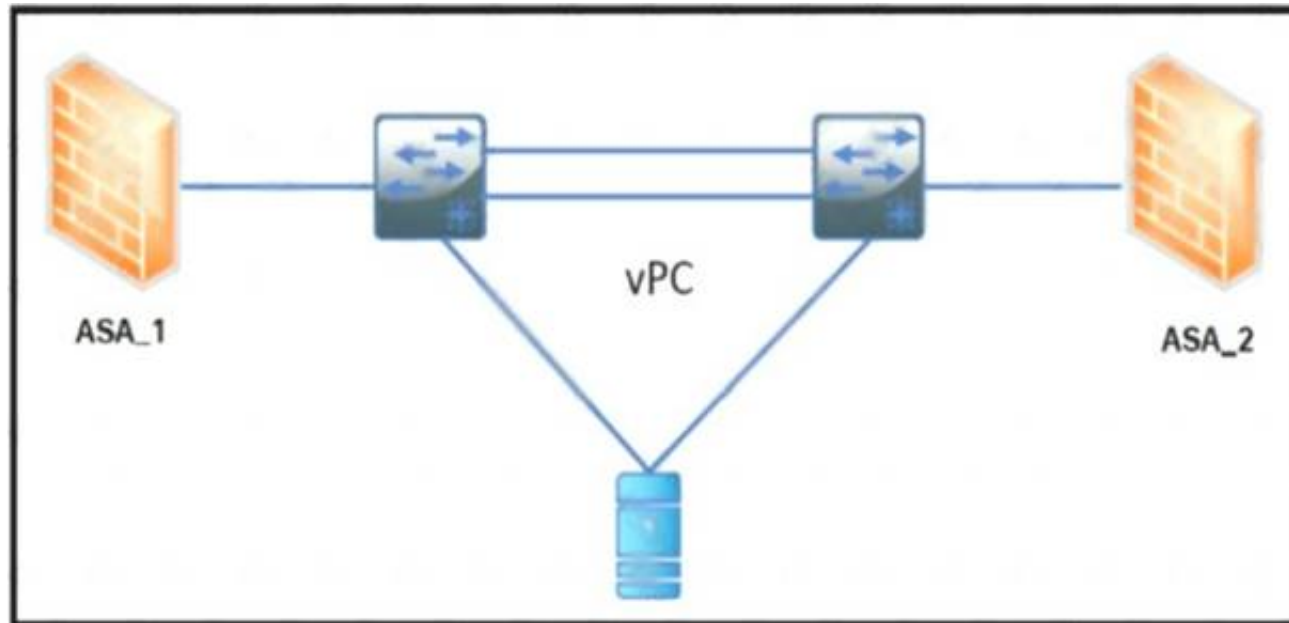
```
interface fc1/1
no switchport ignore bit-errors
switchport fcrxbbcredit 255 mode Fx
switchport rate-mode dedicated
```
- D.

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

Answer: A

NEW QUESTION 360

Refer to the exhibit



The ASA 1 acts as a Layer 3 gateway for all servers. The servers lose the gateway connectivity when the vPC peer links go down and the vPC keepalive remains up. Which action improves the high availability in the network?

- A. Create a static port channel with two links from each firewall to the switch
- B. Activate the vPC orphan-port suspend feature on the switch ports connected to the firewall
- C. Implement the IP reoVect feature on the vPC devices
- D. Enable the vPC peer gateway feature on the vPC devices

Answer: D

NEW QUESTION 364

An engineer configures a storage environment for a customer with high- security standards. The secure environment is configured in vsan 50. The customer wants to maintain a configuration and active databases and prevent unauthorized switches from joining the fabric. Additionally, the switches must prevent rogue devices from connecting to their ports by automatically learning the WWPNs of the ports connected to them for the first time. Which two configuration sets must be used to meet these requirements? (Chose two.)

- ☒ port-security enable
port-security activate vsan 50
- ☒ clear fabric-binding activate vsan 50
fabric-binding activate vsan 50
- ☐ fabric-binding activate vsan 50 force
- ☐ fcsp enable
fcsp auto-active
- ☐ fcsp dhchap hash md5 sha1

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

Answer: AC

NEW QUESTION 369

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

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

Which solution meets these requirements?

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

Answer: B

NEW QUESTION 373

An engineer must generate a Cisco UCS Manager backup. The backup should include all logical configuration and contain all system and logical configuration settings. Which backup type should be selected to meet these requirements?

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

Answer: C

NEW QUESTION 376

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 sjc2016UCS-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 sjc2016UCS-A /security/keyring* # commit-buffer

Answer: D

Explanation:

https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/CLI-User-Guides/Admin-Management/4-0/b_Cisco_UCS_Manager_CLI_Administration_Mgmt_Guide_4-0/b_Cisco_UCS_Manager_CLI_Administration_Mgmt_Guide_4-0_chapter_0110.html

NEW QUESTION 380

What is a characteristic of the NFS protocol?

- A. It is used for booting Cisco UCS B-Series servers.
- B. It is used to access a storage array at a block level.
- C. It uses UDP and HTTP as its transport.
- D. It uses remote procedure calls with TCP/IP for transport.

Answer: D

NEW QUESTION 381

A SAN administrator must Implement Infrastructure monitoring for the Fibre Channel storage environment. The storage environment consists of a standalone Cisco Nexus 9000 Series Switch and Cisco MDS 9000 Series Switches. The goal is to be able to visualize the SAN support VXLAN overlays and identify storage slow drain issues. Which monitoring solution accomplishes this task?

- A. Cisco Prime Infrastructure
- B. Cisco DCNM
- C. Cisco APIC
- D. Cisco Intersight

Answer: B

NEW QUESTION 382

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

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

Answer: D

Explanation:

https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-manager/GUI-User-Guides/Admin-Managem

Locales

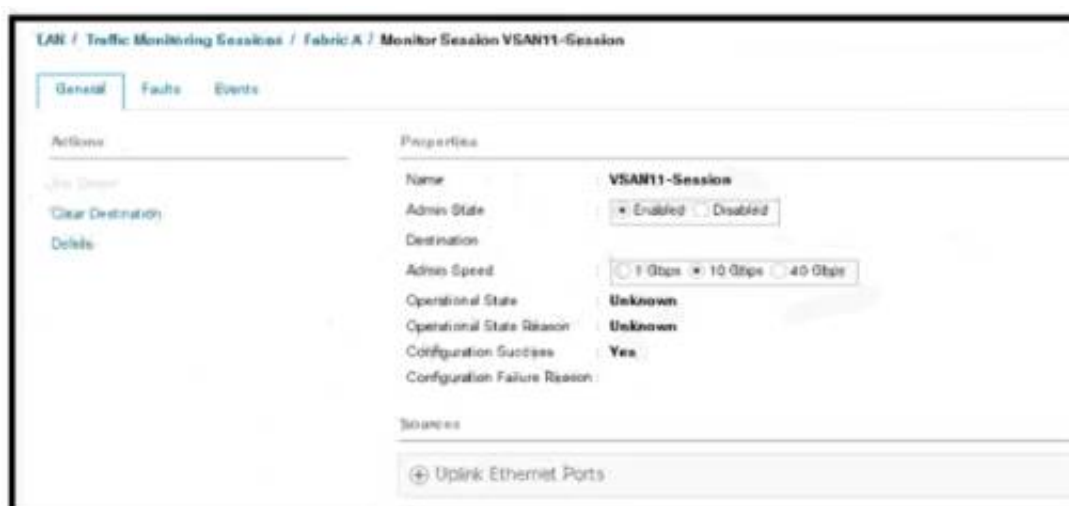
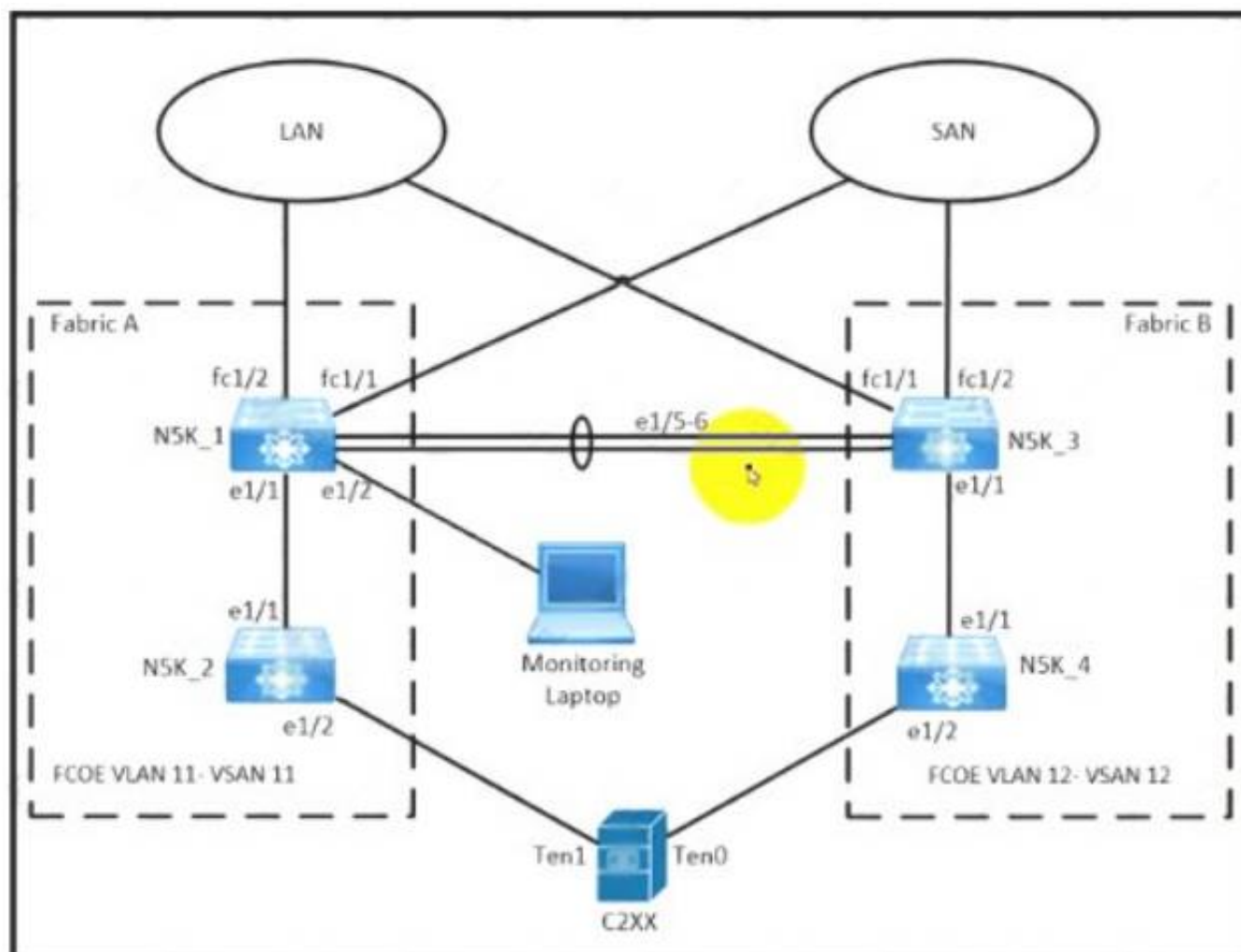
User Locales

You can assign a user to one or more locales. Each locale defines one or more organizations (domains) to which a user can access. Access is usually limited to the organizations specified in the locale. An exception is a locale without any organizations. It provides unrestricted access to system resources in all organizations.

A Cisco UCS domain can contain up to 48 user locales. Any user locales configured after the first 48 are accepted, but are inactive with faults raised.

NEW QUESTION 387

Refer to the exhibit.



An engineer is creating a SPAN session to send a copy of all the Fabric-A VSAN 11 traffic on NSK_1 to the monitoring laptop. The configurator that is presented has already been applied to Cisco UCS Manager. Which action completes the configuration?

- A. Activate a NetFlow monitoring session
- B. Create a SAN traffic monitoring session
- C. Set VLAN 11 as the traffic destination
- D. Select VSAN 11 as the source of traffic.

Answer: C

NEW QUESTION 390

An engineer must configure an LACP port channel on two Cisco Nexus 7000 Series Switches. The interface e1/2 must be a hot-standby link that initiates negotiation with other ports. Drag and drop the commands from the right onto the blanks in the configuration on the left. Not all commands are used.

```

configure terminal
feature 
interface Ethernet 1/2
switchport
channel-group 2
interface Ethernet 1/3
switchport
channel-group 2 mode active
lacp port
        
```

mode active

lacp

priority 1

mode passive

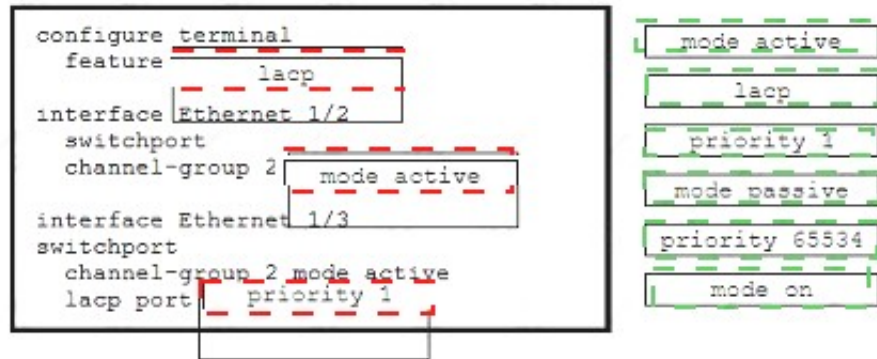
priority 65534

mode on

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 393

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.

Answer: B

Explanation:

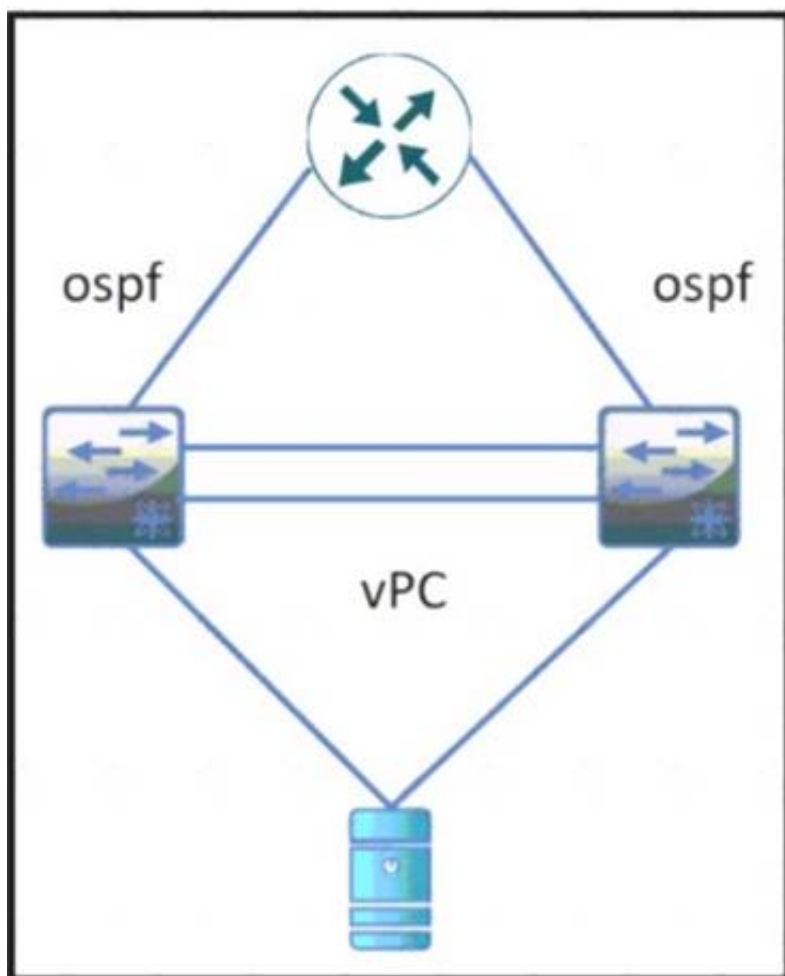
https://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/4_0/dcnm/security/configuration/guide/sec_dcnm Text Description automatically generated

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.

NEW QUESTION 395

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

NEW QUESTION 396

What are two requirements when planning a Cisco HyperFlex All Flash standard cluster installation using three HX240c M5 servers? (Choose Two)

- A. If the Jumbo MTU option in the HyperFlex installer is enabled, then jumbo frames do not have to be enabled on the upstream switches.
- B. The hypervisors must be installed to Cisco FlexFlash SD cards.
- C. If the Jumbo MTU option in the HyperFlex installer is enabled, then jumbo frames must also be enabled on the upstream switches.
- D. The cluster deployment type must support a mix of HDD and SSD.
- E. The servers must be discovered, unassociated, and connected to each fabric interconnect.

Answer: CE

Explanation:

https://www.cisco.com/c/en/us/td/docs/hyperconverged_systems/HyperFlex_HX_DataPlatformSoftware/AdminGuide/3_5/b_HyperFlexSystems_AdministrationGuide_3_5/b_HyperFlexSystems_AdministrationGuide_3_5_chapter_011

NEW QUESTION 399

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

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

Answer: B

NEW QUESTION 401

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

Answer: BE

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/ucs-manager/whitepaper_c11-697

NEW QUESTION 405

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

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

Answer: B

Explanation:

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

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

NEW QUESTION 409

Refer to the exhibit.

```
N9K-1# show running-config interface Ethernet1/1
switchport access vlan 10
spanning-tree port type edge
switchport port-security aging time 33
switchport port-security maximum 3
switchport port-security mac-address sticky
switchport port-security

N9K-1# show mac address-table interface ethernet 1/1
Legend:
* - primary entry, G - Gateway MAC, (R) - Routed MAC, O - Overlay MAC
age - seconds since last seen, + - primary entry using vPC Peer-Link,
(T) - True, (F) - False, C - ControlPlane MAC, ~ - vsan
```

VLAN	MAC Address	Type	age	Secure	NTFY	Ports
* 10	0050.7966.6801	secure	-	T	F	Eth1/1
* 10	0050.7966.6802	secure	-	T	F	Eth1/1
* 10	0050.7966.6803	secure	-	T	F	Eth1/1

An engineer configures port security on a Cisco Nexus 9000 Series Switch. The requirement is to prevent any newly learned MAC addresses from forwarding traffic on the interface. Also, the already learned MAC addresses must not be affected by the changes. Which configuration meets these requirements?

- A. switchport port-security violation shutdown
- B. switchport port-security violation isolate
- C. switchport port-security violation protect
- D. switchport port-security violation restrict

Answer: C

NEW QUESTION 410

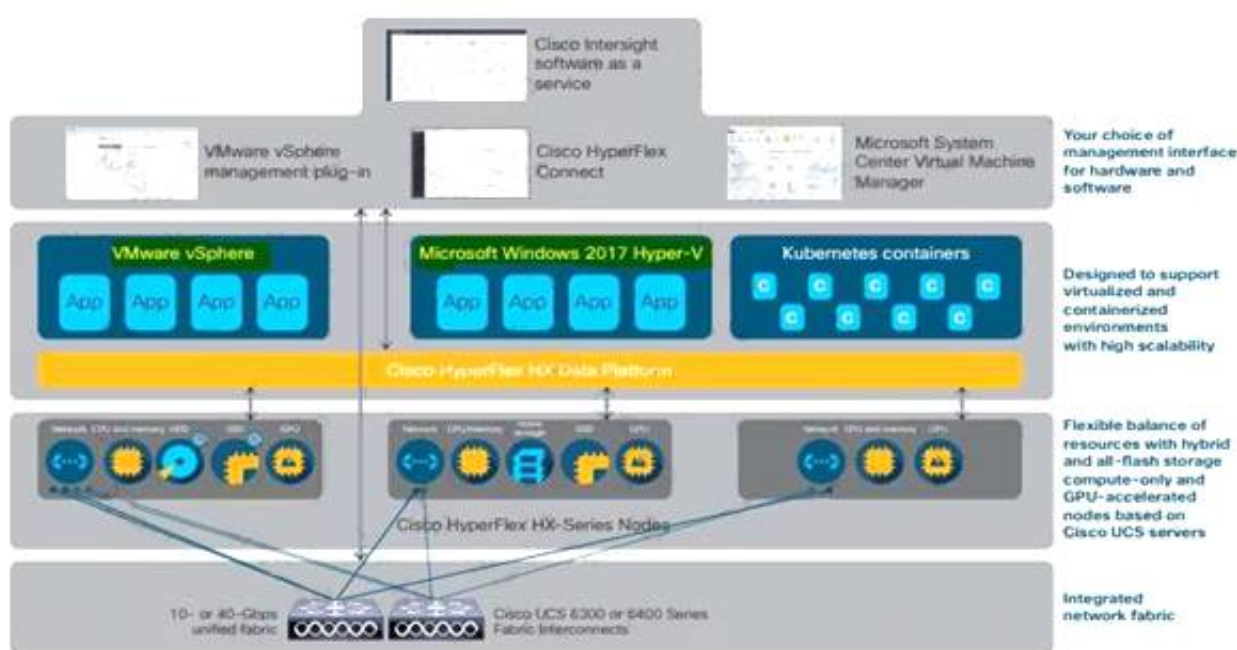
Which two hypervisors does Cisco HyperFlex support? (Choose two.)

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

Answer: AB

Explanation:

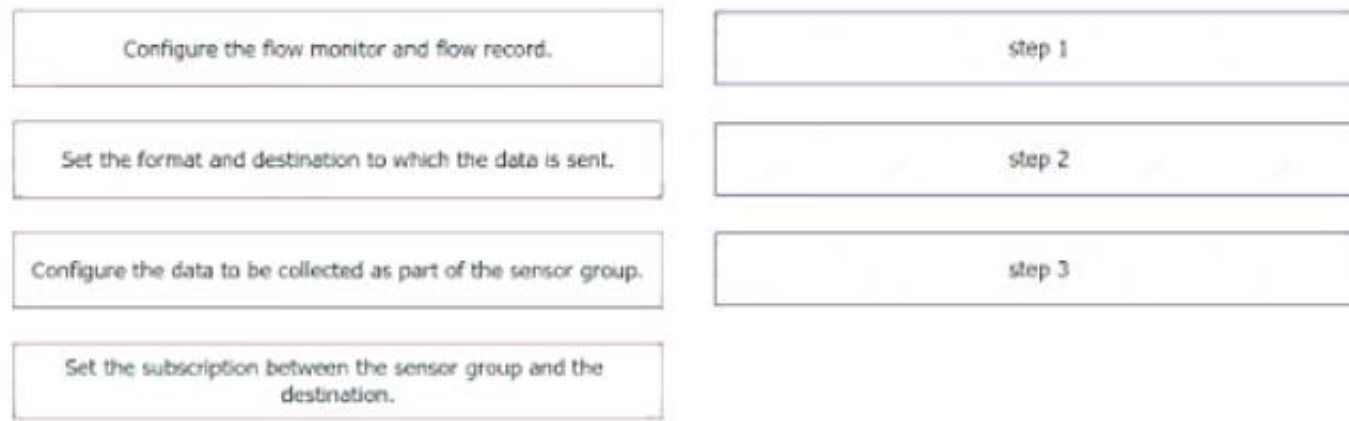
The Cisco HyperFlex platform is faster to deploy, simpler to manage, easier to scale, and ready to provide a unified pool of resources to power your business applications. You harness these resources with your choice of centralized management tools: Cisco Intersight™ software as a service, Cisco HyperFlex Connect, Microsoft System Center Virtual Machine Manager,



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

NEW QUESTION 414

A network engineer must implement a telemetry solution to collect real-time structured data in a large-scale network. Drag and drop the actions from the left into the order on the right to implement the solution. Not all actions are used.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

- * 1. set the format and destination to which the data is sent.
- * 2. configure the data to be collected as part of the sensor group.
- * 3. set the subscription between the sensor-group and the destination.

NEW QUESTION 419

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

Answer: BD

Explanation:

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/7-x/troubleshooting/guide/ b_Cisco_Nexus_9000_Series_NX-OS_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/troubleshooting/guide/b_Cisco_Nexus_9000_Series_NX-OS_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-OS_Fundamentals_Configuration_Guide_7x/ b_Cisco_Nexus_9000_Series_NX-OS_Fundamentals_Configuration_Guide_7x_chapter_0100.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_0100.html)

NEW QUESTION 424

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.

Answer: B

NEW QUESTION 429

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

- A. type 7 LSA
- B. type 3 LSA
- C. type 1 LSA
- D. type 5 LSA

Answer: A

NEW QUESTION 434

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

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

Answer: BC

Explanation:

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

Verifying a Session

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

Command	Purpose
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/CLIconfigura>

NEW QUESTION 438

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

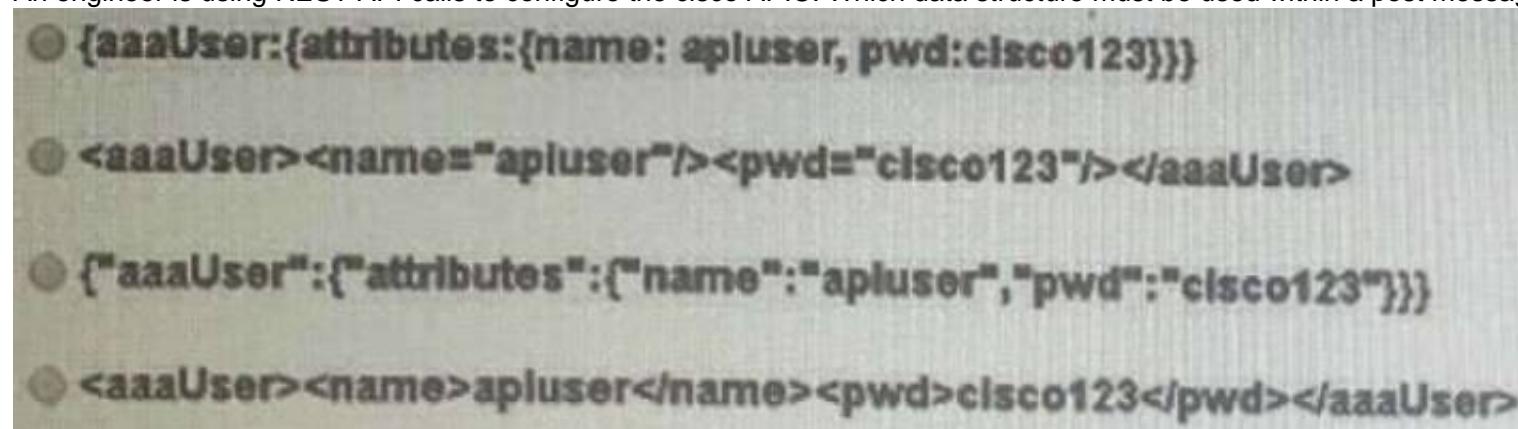
```
curl -i -X --missing code-- http://api.cisco.com:8080/api -u admin:xT41M5P3X425VOE71NB5D
```

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

Answer: C

NEW QUESTION 439

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

Answer: C

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"
    }
  }
}
```

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_0

NEW QUESTION 440

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

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

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

- ☒ switch_id_list = ["N9K-Spine-2": "1498323434"]
- ☐ switch_id_list.update({"N9K-Spine-2": "1498323434"})
- ☐ switch_id_list.append({"N9K-Spine-2": "1498323434"})
- ☐ switch_id_list += {"N9K-Spine-2": "1498323434"}

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

Answer: C

NEW QUESTION 445

An engineer is deploying a VXLAN EVPN environment for a customer. The customers environment suffers from a large amount of flooding related to hosts attempting to resolve the MAC to IP mapping on the network segment. Which feature prevents this issue from happening in the future?

- A. anycast rendezvous point
- B. anycast gateway
- C. IP ARP SYNC
- D. IP ARP suppression

Answer: D

NEW QUESTION 447

An engineer is configuring VNTag between a virtualized server and a Cisco Nexus 5500 Series switch. Drag and drop the configuration steps from the into the correct order on the right.

Configure support for VNTag mode on the interface that connects to the server.	Step 1
Configure the vNICs of the server.	Step 2
Configure the server to support NIV mode.	Step 3
Enable the virtualization feature set.	Step 4
Configure the port profile.	Step 5
Install the virtualization feature set.	Step 6

- A. Mastered
 B. Not Mastered

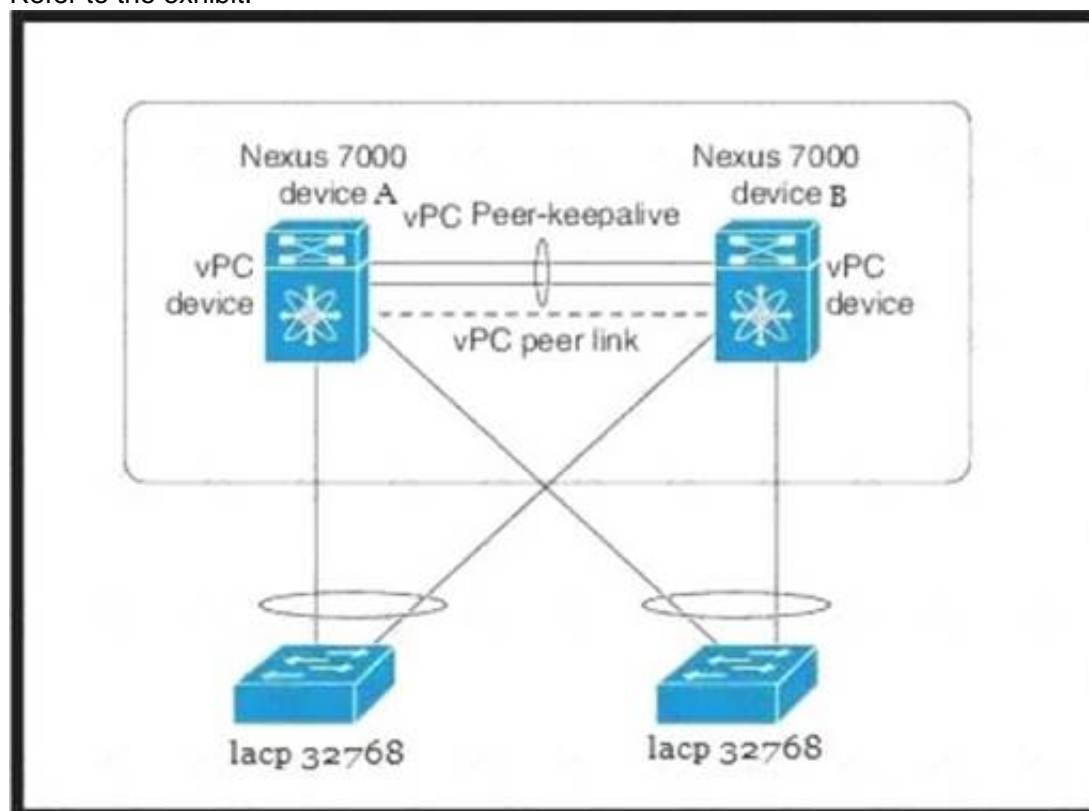
Answer: A

Explanation:

install the virtualization feature set
 Enable the virtualization feature set
 Configure the port profile
 Configure support for VNTag mode on the interface that connects to the server.
 Configure the server to support NIV mode
 Configure the vNICs of the server
<https://www.cisco.com/c/en/us/support/docs/switches/nexus-5000-series-switches/117691-config-5500switch-00.html>
https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5500/sw/adapter-fex/6x/b_5500_Adapter_FEX_Config_6x/b_5500_Adapter_FEX_Config_602N11_chapter_010.html

NEW QUESTION 448

Refer to the exhibit.



Which configuration ensure that the cisco Nexus 7000 series switches are the primary devices for LACP?

- A. N7K_A(config-vpc-domain)# role priority 1N7K_B(config-vpc-domain)# role priority 2
 B. N7K_A(config-vpc-domain)# system-priority 32768N7K_B(config-vpc-domain)# system-priority 32768
 C. N7K_A(config-vpc-domain)# system-priority 100N7K_B(config-vpc-domain)# system-priority 200
 D. N7K_A(config-vpc-domain)# system-priority 4000N7K_B(config-vpc-domain)# system-priority 4000

Answer: D

NEW QUESTION 450

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 implement to ensure that vPC and non-vPC switches receive same STP bridge ID from the upstream vPC switch peers?

- A. vpc local role-priority 4000

- B. peer-switch
- C. system-mac 0123.4567.89ab
- D. peer-gateway

Answer: B

Explanation:

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

NEW QUESTION 453

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.

Answer: A

NEW QUESTION 457

An infrastructure architect is analyzing the deployment type for an application. Several companies must be able to operate the application environment and integrate it with a third-party protocol. The development team also must have maximum control over their development environment, including the operating system used, Python interpreter, and corresponding libraries. Which cloud deployment solution meets these requirements?

- A. public cloud Storage as a Service
- B. private cloud Platform as a Service
- C. hybrid cloud Software as a Service
- D. community cloud Infrastructure as a Service

Answer: D

NEW QUESTION 460

What is an advantage of NFSv4 over Fibre Channel protocol?

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

Answer: A

Explanation:

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

NEW QUESTION 465

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