Exam Questions 350-601

Implementing and Operating Cisco Data Center Core Technologies

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NEW QUESTION 1
Refer to the exhibit.

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

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

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

Answer: AE

NEW QUESTION 2
Refer to the exhibit.

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

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

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

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

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

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

Answer: A

NEW QUESTION 3
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 SPAN characteristics must be considered? (Choose two.)

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

Answer: BC

NEW QUESTION 4
Host1 is in VLAN100 located in DataCenter1 and Host2 is in VLAN200 located in DataCenter2.
Which OTV VLAN mapping configuration allows Layer 2 connectivity between these two hosts?

A.

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

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

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

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

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

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

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

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

Answer: A

NEW QUESTION 5
Refer to the exhibit.

```
restart pim
```

Which result of running the command is true?

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

Answer: C

NEW QUESTION 6
Which action must be performed before renumbering a Cisco UCS chassis?

A. Run the shut and no shut command on the connected ports.
B. Move the chassis to new ports on fabric interconnect.
C. Decommission the chassis.
D. Re-acknowledge the chassis.

Answer: C

NEW QUESTION 7

An engineer is implementing an import operation in Cisco UCS Manager.
What is the impact of performing this operation?

A. Information can be modified on the management plane only.
B. A configuration can be imported from a higher release to a lower release.
C. An import operation can be scheduled.
D. Only a configuration file that was exported from the same Cisco UCS Manager can be imported.

Answer: A

NEW QUESTION 8
An engineer is duplicating an existing Cisco UCS setup at a new site.
What are two characteristics of a logical configuration backup of a Cisco UCS Manager database? (Choose two.)

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

Answer: BC

NEW QUESTION 9
Which two settings must be configured before enabling a Cisco UCS Manager domain for Cisco Intersight connectivity? (Choose two.)

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

Answer: CE

NEW QUESTION 10
Refer to the exhibit.

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

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

What is the result of this series of commands?

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

Answer: B

NEW QUESTION 10
When the default firmware package is set to a new version, which type of policy determines the liming of server reboots during the firmware upgrade?

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

Answer: B

NEW QUESTION 12
Which two statements about the process of performing an EPLD upgrade on a Cisco MDS 9000 Series Switch are true? (Choose two.)

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

Answer: AB

NEW QUESTION 17
Which two statements about the process at upgrading an EPLD on a Cisco MDS 9000 Series Switch are correct? (Choose two.)

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

Answer: CE

NEW QUESTION 20
DRAG DROP
An engineer is configuring VNTag between a virtualized server and a Cisco Nexus 5500 Series switch. Drag and drop the configuration steps from the left into the correct order on the right.
Select and Place:

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:

Configure support for VNTag mode on the interface that connects to the server.	Install the virtualization feature set.
Configure the vNICs of the server.	Enable the virtualization feature set.
Configure the server to support NIV mode.	Configure the port profile.
Enable the virtualization feature set.	Configure support for VNTag mode on the interface that connects to the server.
Configure the port profile.	Configure the vNICs of the server.
Install the virtualization feature set.	Configure the server to support NIV mode.

NEW QUESTION 23
Multiple roles are applied to a user on the Cisco MDS 9000 Series Switch.
Which statement is true?

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

Answer: B

NEW QUESTION 26
Refer to the exhibit.

```
CISCO-UCS-A# scope org /
CISCO-UCS-A /org* # create service-profile Cisco1 instance
CISCO-UCS-A /org/service-profile* # set bios-policy bios1
CISCO-UCS-A /org/service-profile* # set boot-policy boot1
CISCO-UCS-A /org/service-profile* # set ext-mgmt-ip-state none
CISCO-UCS-A /org/service-profile* # set host-fw-policy ipmi-user987
CISCO-UCS-A /org/service-profile* # set identity dynamic-uuid derived
CISCO-UCS-A /org/service-profile* # set ipmi-access-profile ipmi1
CISCO-UCS-A /org/service-profile* # set local-disk-policy local1
CISCO-UCS-A /org/service-profile* # set maint-policy maint1
CISCO-UCS-A /org/service-profile* # set mgmt-fw-policy mgmt1
CISCO-UCS-A /org/service-profile* # set power-control-policy power1
CISCO-UCS-A /org/service-profile* # set scrub-policy scrub1
CISCO-UCS-A /org/service-profile* # set sol-policy sol1
CISCO-UCS-A /org/service-profile* # set stats-policy stats1
CISCO-UCS-A /org/service-profile* # set user-label Cisco
CISCO-UCS-A /org/service-profile* # vcon-policy vconnpolicy
CISCO-UCS-A /org/service-profile* # commit-buffer
CISCO-UCS-A /org/service-profile #
```

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

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

Answer: B

NEW QUESTION 28
Refer to the exhibit.

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

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

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

Answer: A

NEW QUESTION 30
Which statement is true about upgrading the firmware on a Cisco MDS storage switch with dual supervisors?

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

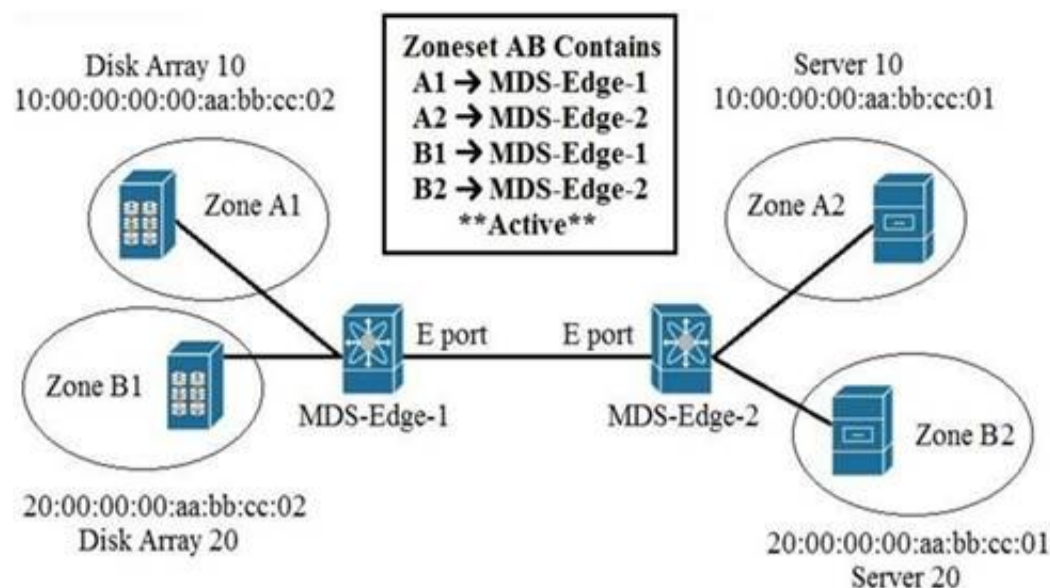**Answer:** B

NEW QUESTION 35
An engineer must implement a Cisco UCS system at a customer site. One of the requirements is to implement SAN boot. The storage system maps the source WWPN to a unique LUN. Which method does Cisco recommend to configure the SAN boot?

A. Define the vHBAs as bootable and leave the boot target definition empty.
B. Create a SAN boot policy in which every initiator is mapped to a different target LUN.
C. Define the vHBAs as bootable and leave the default values on the boot target definition.
D. Create a SAN boot policy in which every initiator is mapped to the same target LUN.

Answer: D

NEW QUESTION 40
Refer to the exhibit.

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

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

Answer: A

NEW QUESTION 44
An engineer is implementing FCoE.
Which aspect of DCBXP on a Cisco Nexus switch affects this implementation?

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

Answer: A

NEW QUESTION 49
Which statement about the MAC address that the FCoE Initialization Protocol chooses for use by an E-Node in an FCoE implementation is true?

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

Answer: AB

NEW QUESTION 50
Which statement about monitoring Fibre Channel traffic on a Cisco UCS 6332 Fabric Interconnect is true?

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

Answer: A

NEW QUESTION 53
An engineer is implementing NPV mode on a Cisco MDS 9000 Series Switch.
Which action must be taken?

A. NPIV must be enabled on the upstream switch.
B. The FCNS database must be disabled in the fabric.
C. A port channel must be configured to the upstream switch.
D. All switches in the fabric must be Cisco MDS switches.

Answer: A

NEW QUESTION 54
Which two statements about modifying Cisco UCS user accounts are true? (Choose two.)

A. Disabling a user account maintains all of the data in the Cisco UCS Fabric Interconnect.
B. The admin account can be used to log on by using SSH only.
C. The password of the user account must contain a minimum of 10 characters.

D. Local user accounts override the same account on a remote authentication server, such as TACACS, RADIUS, or LDAP.
E. The password of the user account expires in 30 days.

Answer: AD

NEW QUESTION 56
An engineer must ensure fabric redundancy when implementing NPV mode on a Cisco MDS 9000 Series Switch.
Which action enables fabric redundancy?

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

Answer: B

NEW QUESTION 57
An administrator needs to configure an automated policy to shut down a link when a given threshold is exceeded on MDS switch. Which feature needs to be used?

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

Answer: B

NEW QUESTION 62
What is required for using Puppet in a Cisco NX-OS environment?

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

Answer: D

NEW QUESTION 66
An engineer is asked to modify an overridden policy by changing the number of FCNS database entries to 1500 and then generate a message.
What Configuration will accomplish this task?

A. event manager applet fcns_policyevent fcns entries max-per-switch 1500action 1.0 syslog priority warnings msg FCNS DB entries have reached the EEM limit action2.0 policy-default
B. event manager applet fcns_policy override fcns_entries_max_per_switchaction 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_switchevent fcns entries max-per-switch 1500action 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

Answer: C

NEW QUESTION 69
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 the application profile can be configured?

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

Answer: C

NEW QUESTION 73
An engineer is asked to manage a large-scale data center and collect information from multiple Cisco NX-OS devices using Cisco NX-OS Data Management Engine model.
Which technology should be used to accomplish this goal?

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

Answer: C

NEW QUESTION 78
DRAG DROP
An engineer is implementing security on the Cisco MDS 9000 switch.
Drag and drop the descriptions from the left onto the correct security features on the right.
Select and Place:

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

A. Mastered
B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 82
An engineer has a primary fabric that is named UCS-A and a secondary fabric that is named UCS-B. A certificate request that has a subject name of sjc2016 for a keyring that is named kr2016 needs to be created. The cluster IP address is 10.68.68.68.
Which command set creates this certificate request?

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

Answer: D

NEW QUESTION 87
Refer to the exhibit.

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

What is the result of implementing this configuration?

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

Answer: D

NEW QUESTION 89
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