

## Exam Questions 350-601

Implementing and Operating Cisco Data Center Core Technologies

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**NEW QUESTION 1**

DRAG DROP

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.

Select and Place:

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:

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

**NEW QUESTION 2**

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 3**

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

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

Answer: A

**NEW QUESTION 4**

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

- A.

Nexus-1:

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

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

Nexus-2:

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

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

B. Nexus-1:

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

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

Nexus-2:

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

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

C. Nexus-1:

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

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

Nexus-2:

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

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

D.

Nexus-1:

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

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

Nexus-2:

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

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

Answer: B

#### NEW QUESTION 5

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 6

Due to a major version change, an engineer must perform a software upgrade on a Cisco Nexus Series switch. Which two technologies can be implemented to reduce disruptions to the network during the upgrade? (Choose two.)

- A. vPC
- B. HSRP
- C. VDC
- D. MLAG
- E. PAgP

Answer: AC

#### NEW QUESTION 7

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 8

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 9

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 10

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. servers
- D. service profiles

**Answer: D**

#### NEW QUESTION 10

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 13

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

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

**Answer: C**

#### NEW QUESTION 16

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 18**

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

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

Answer: CE

**NEW QUESTION 21**

DRAG DROP

An engineer deploys a custom guest shell roots onto multiple switches. Drag and drop the steps from the left into the correct order on the right. Export the Guest Shell roots.

Select and Place:

Customize the guest shell roots.	Step 1
Export the Guest Shell roots.	Step 2
Store it in a file server.	Step 3
Import the Guest Shell roots to other switches.	Step 4
Install the specific Guest Shell across devices simultaneously.	Step 5

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Customize the guest shell roots.	Customize the guest shell roots.
Export the Guest Shell roots.	Export the Guest Shell roots.
Store it in a file server.	Store it in a file server.
Import the Guest Shell roots to other switches.	Import the Guest Shell roots to other switches.
Install the specific Guest Shell across devices simultaneously.	Install the specific Guest Shell across devices simultaneously.

**NEW QUESTION 26**

Which statement about the impact of a rolling EPLD upgrade on a Cisco MDS 9000 Series Switch is true?

- A. The upgrade can be performed from the standby supervisor module.
- B. Only the modules that are being upgraded are disrupted.
- C. All modules on the switch are disrupted.
- D. An EPLD upgrade is nondisruptive.

Answer: B

**NEW QUESTION 29**

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 32**

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 36**

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 40**

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 42**

What is an advantage of NFS as compared to Fibre Channel?

- A. NFS removes the impact of IP overhead.
- B. NFS enables thin provisioning for LUNs.
- C. NFS provides direct access to the underlying storage hardware.
- D. NFS provides the dynamic allocation of storage capacity.

**Answer: B**

**NEW QUESTION 43**

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 44**

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 48**

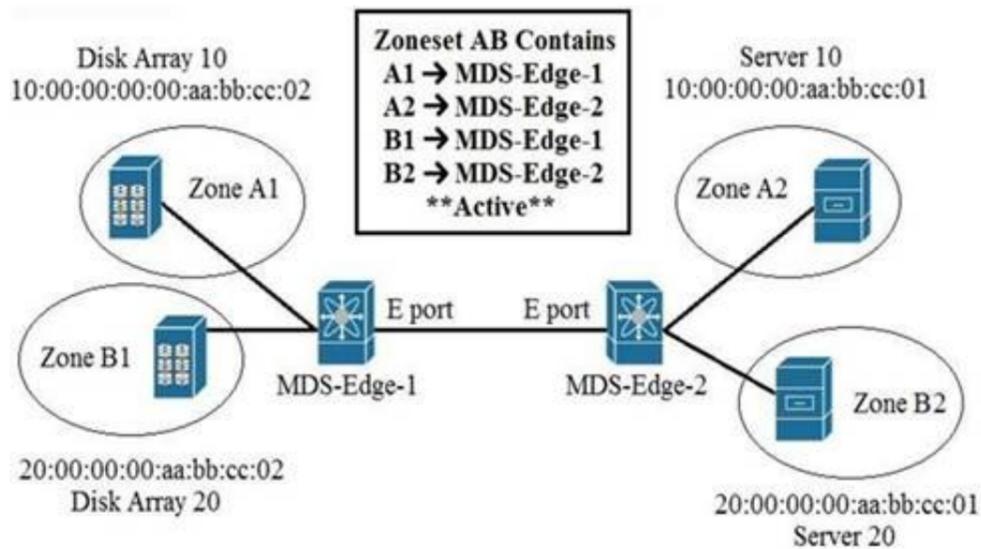
In an FCoE environment, for which two sets of data must an interface that implements the PAUSE mechanism always provision sufficient ingress buffer? (Choose two.)

- A. frames that were sent with high credit
- B. frames that were sent on the link but not yet received
- C. frames that were processed and transmitted by the transmitter after the PAUSE frame left the sender
- D. frames that were processed and transmitted by the transmitter before the PAUSE frame left the sender
- E. frames that were sent on the link and received

**Answer: BD**

**NEW QUESTION 53**

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 58**

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 63**

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

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

Answer: AB

**NEW QUESTION 66**

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 68**

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 71**

An engineer is converting a Cisco MDS switch to support NPIV mode. What should be considered when implementing the solution?

- A. It requires mapping of external interface traffic.

- B. It must be enabled on VSAN 1 only.
- C. It must be enabled globally on all VSANs.
- D. It requires the FLOGI database to be disabled.

Answer: C

#### NEW QUESTION 74

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 79

Refer to the exhibit.

```
Python Code:
import requests
import json

url='http://lab-93180bdlf-sw1/ins'
switchuser='dazfre'
switchpassword='Clscorox0'

myheaders={'content-type': 'application/json'}
payload={
  "ins_api": {
    "version": "1.0",
    "type": "cli_show",
    "chunk": "0",
    "sid": "1",
    "input": "configure terminal : feature hsrp",
    "output_format": "json"
  }
}
response = requests post(url,data=json.dumps(payload),
headers=myheaders,auth=(switchuser,switchpassword))

print(response.text)

ERROR MESSAGE
{
  "ins_api" : {
    "type": "cli_show",
    "version": "1.0",
    "sid": "eoc",
    "outputs": [
      "output" [
        [{"clierror" "% invalid command\n",
          "input" "configure terminal",
          "msg" "input CLI command error",
          "code" "400"}],
        [{"clierror" "% invalid command\n",
          "input" "feature hsrp",
          "msg" "input CLI command error",
          "code" "400"}]
      ]
    ]
  }
}
```

Why does the Python code for Cisco NX-API print an error message?

- A. The JSON is not a supported format for the NX-API.
- B. The "type" is wrong in the header of the request and should be "cli\_conf"
- C. NX-API does not allow configuration for features via the requests module.
- D. The "type" is wrong in the body of the request and should be "cli\_conf"

Answer: C

#### NEW QUESTION 82

Which two components should be checked when a Cisco Nexus 9000 Series Switch fails to boot using POAP? (Choose two.)

- A. POAP feature license
- B. DHCP server to bootstrap IP information
- C. image noted in the script file against switch bootflash
- D. script signed with security key
- E. TFTP server that contains the configuration script

Answer: BE

#### NEW QUESTION 86

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 can be distributed by using Cisco Fabric Services.
- B. It authorizes only the configured sWWN to participate in the fabric.

- C. It always learns about switches that are logging in.
- D. It binds the fabric at the switch level.

Answer: A

**NEW QUESTION 91**

DRAG DROP

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

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

can be distributed via fabric services	<b>Fabric Binding</b>
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
prevent unauthorized switches from joining the fabric or disrupting current fabric operations	<b>Port Security</b>
	can be distributed via fabric services
	prevent unauthorized switches from joining the fabric or disrupting current fabric operations

**NEW QUESTION 95**

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 96**

A host in 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 v2Any 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 can connect to TCP destination port 80 on the webserver in EPG We
- D. The webserver will not be able to initiate a separate TCP connection to a host port with TCP source port 80.
- E. The host in EPG Client can connect to TCP destination port 80 on the webserver in EPG We
- F. The webserver can initiate a separate TCP connection to a host port with TCP source port 80.

Answer: D

**NEW QUESTION 99**

DRAG DROP

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

Select and Place:

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:**

NFSv2	NFSv2
Kerberos	NFSv4
NFSv4	Kerberos
RADIUS	RADIUS

**NEW QUESTION 102**

Which two authentication types does Cisco UCS Manager support when configuring authentication? (Choose two.)

- A. PAM
- B. local
- C. 802.1X
- D. Kerberos
- E. LDAP

**Answer:** BE

**NEW QUESTION 104**

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