

# Cisco

## Exam Questions 350-601

Implementing and Operating Cisco Data Center Core Technologies



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

Which virtual MAC address is the default for HSRP version 2 group 10?

- A. 0000.5E00.0110
- B. 0000.0C9F.F00A
- C. 3716.1350.1C0A
- D. 0000.0C9F.F010

Answer: B

NEW QUESTION 3

Refer to the exhibit.

```
N7K-1
interface Vlan165
  no shutdown
  no ip redirects
  ip address 10.16.165.2/27
  no ipv6 redirects
  hsrp version 2
  hsrp 165
    preempt
    priority 150
    ip 10.16.165.1

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

N7K-2
interface Vlan165
  no shutdown
  no ip redirects
  ip address 10.16.165.3/27
  no ipv6 redirects
  hsrp version 2
  hsrp 165
    priority 50
    ip 10.16.165.1

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

Which statement about the default gateway configuration of the vPC is true?

- A. Either switch can act as the active default gateway.
- B. N7K-1 acts as the default gateway for all traffic.
- C. N7K-2 forwards traffic that is destined for the default gateway by using the peer link.
- D. N7K-2 acts as the default gateway for all traffic.

**Answer: A**

#### NEW QUESTION 4

Refer to the exhibit.

```
Start time: Mon Apr 15 09:23:01 2019
Last election time: Mon Apr 15 09:24:24 2019
A: UP, PRIMARY
B: UP, SUBORDINATE
A: memb state UP, lead state PRIMARY, mgmt services state: UP
B: memb state UP, lead state SUBORDINATE, mgmt services state: UP
heartbeat state PRIMARY_OK
INTERNAL NETWORK INTERFACES:
eth1, UP
eth2, UP
HA NOT READY
No device connected to this Fabric Interconnect
```

What must be connected to clear the HA NOT READY status?

- A. Layer 1-Layer 2 ports
- B. server chassis
- C. management ports
- D. network uplinks

**Answer: B**

#### NEW QUESTION 5

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 6

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 7

A customer has a requirement to deploy a cloud service and needs to have full control over the underlying OS, data and applications.  
Which cloud model meets this requirement?

- A. MaaS
- B. PaaS
- C. SaaS
- D. IaaS

**Answer:** D

#### NEW QUESTION 8

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 9

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 10

Refer to the exhibit.

```
Nexus(config)# show checkpoint summary
User Checkpoint Summary
-----
1) BeforeL3:
Created by admin
Created at Mon, 15:25:08 31 Dec 2018
Size is 9,345 bytes
Description: None

System Checkpoint Summary
-----
2) system-fm-vrrp:
Created by admin
Created at Fri, 09:57:02 14 Jun 2019
Size is 20,865 bytes
Description: Created by Feature Manager.

3) system-fm-hsrp_engine:
Created by admin
Created at Fri, 09:57:28 14 Jun 2019
Size is 20,852 bytes
Description: Created by Feature Manager.
```

What is the reason the system-fm-vrrp checkpoint was created?

- A. The VRRP process crashed and the checkpoint was automatically created.
- B. The VRRP service restarted and the checkpoint was automatically created.
- C. The network administrator manually created it.
- D. The VRRP-enabled feature has been disabled.

**Answer:** D

#### NEW QUESTION 10

What are two capabilities of the Cisco Network Assurance Engine? (Choose two.)

- A. It validates that devices comply with network security policies.
- B. It predicts the impact of changes to the network.
- C. It predicts the network load on a data center.
- D. It ensures that network performance meets an SLA.
- E. It verifies the speed of network packet flows by using telemetry.

**Answer:** AB

#### NEW QUESTION 15

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 18

An engineer wants to create a backup of Cisco UCS Manager for disaster recovery purposes.  
 What are two characteristics of a full state backup of a Cisco UCS Manager database? (Choose two.)

- A. contains all of the runtime states and statuses but not the configurations
- B. performs a complete binary dump of the database as a .bin file
- C. performs a complete binary dump of the database as a .sql file
- D. performs a complete binary dump of the database as a .txz file
- E. contains all of the configurations

**Answer:** BE

#### NEW QUESTION 21

Refer to the exhibit.



Which two Cisco UCS components are upgraded as a result of the configuration? (Choose two.)

- A. IOMs
- B. Cisco UCS Manager
- C. board controller
- D. adapters
- E. BIOS

**Answer:** AC

#### NEW QUESTION 22

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 24

What is the benefit of adding Cisco HyperFlex Hardware Acceleration Cards to a HyperFlex deployment?

- A. increased compression efficiency
- B. increased network throughput
- C. GPU acceleration
- D. offline encryption acceleration

**Answer:** A

#### NEW QUESTION 25

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

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

**Answer:** A

#### NEW QUESTION 27

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

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 31

Refer to the exhibit.

```
CISCO-UCS-A# scope org /
CISCO-UCS-A /org* # create service-profile Cisc01 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 ipmil
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 soll
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 36

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 38

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 39

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 42

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 47

DRAG DROP

An engineer must recover configuration on a Cisco MDS 9000 Series switch from a previous version that was backed up to bootflash and then verify the restoration. Drag and drop the commands on the left to the correct order on the right.  
Select and Place:

copy bootflash:<conriguration_file> runring-config	Step 1
copy running-config startup-config	Step 2
show startup-config	Step 3
write erase	Step 4
reload	Step 5

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

copy bootlash:<conriguration_file> runring-config	write erase
copy running-config startup-config	reload
show startup-config	copy bootlash:<conriguration_file> runring-config
write erase	copy running-config startup-config
reload	show startup-config

**NEW QUESTION 50**

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 this requirement?

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

**Answer: C**

**NEW QUESTION 52**

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 57**

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 61**

A POAP-enabled Cisco Nexus switch will not enter POAP mode. Which two conditions should be verified? (Choose two.)

- A. No startup configuration is available.
- B. The switch is in bootup process.
- C. The license file is missing on the switch.
- D. Bootflash must contain a special directory named POAP with poap.py file.
- E. No Cisco NX-OS image is present on the bootflash.

**Answer: AB**

**NEW QUESTION 65**

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 66**

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 71**

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 73**

Which configuration generates a syslog message when CPU utilization is higher than 60%?

- A. event manager applet HIGH-CPU event snmp oid 1.3.6.1.4.1.9.9.109.1.1.1.1.6.1 get-type exact entry-op gt 60 poll-interval 5 action 1.0 syslog priority notifications msg "cpu high"
- B. event manager applet HIGH-CPU event snmp oid 1.3.6.1.4.1.9.9.109.1.1.1.1.6.1 get-type exact entry-op lt 60 poll-interval 5 action 1.0 syslog priority notifications msg "cpu high"
- C. event manager applet HIGH-CPU event snmp oid 1.3.6.1.4.1.9.9.109.1.1.1.1.6.1 get-type next entry-op gt 60 poll-interval 5 action 1.0 syslog priority notifications msg "cpu high"
- D. event manager applet HIGH-CPU event snmp oid 1.3.6.1.4.1.9.9.109.1.1.1.1.6.1 get-type next entry-op lt 60 poll-interval 5 action 1.0 syslog priority notifications msg "cpu high"

**Answer: A**

**NEW QUESTION 75**

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 77**

When a strict CoPP policy is implemented, which statement describes an event during which packets are dropped?

- A. A large system image is copied to a switch by using the default VRF.
- B. Fifteen SSH sessions remain connected to the switch.
- C. A ping sweep is performed on a network that is connected through a switch.
- D. A web server that is connected to a switch is affected by a DDoS attack.

Answer: D

**NEW QUESTION 82**

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 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 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 84**

An engineer is running an ACI fabric, has VMM integration with VMware vCenter, and wants to enable microsegmentation based on vCenter VM attributes. Which statement about microsegmentation is true?

- A. ACI does not support microsegmentation based on vCenter VM attribute
- B. You should use network attributes for microsegmentation.
- C. When enabled, microsegmentation performs distributed switching and routing on the ESXi hosts.
- D. Microsegmentation is supported only using AVE or AVS.
- E. An ACI microsegmented EPG automatically creates a port group with a private VLAN configured on a VMware vCenter distributed virtual switch.

Answer: D

**NEW QUESTION 89**

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 93**

.....



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