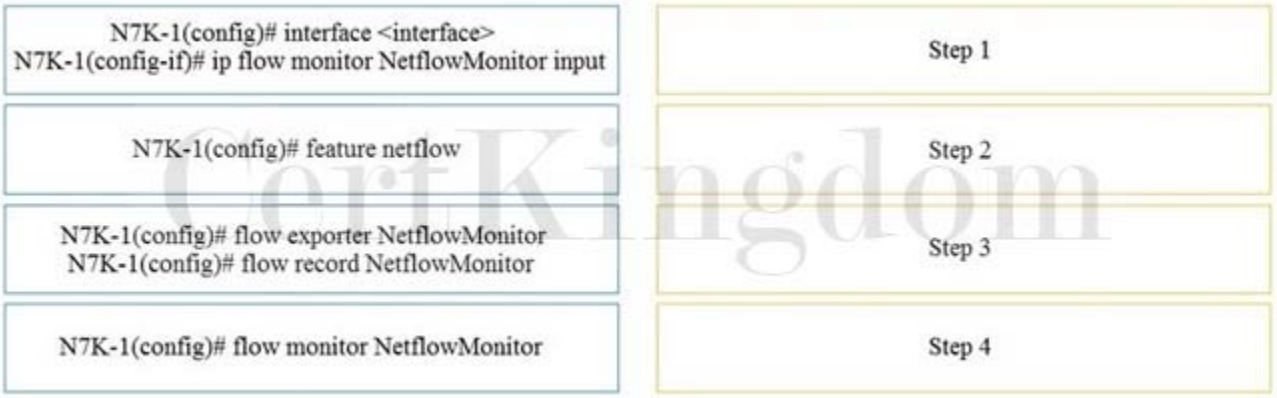
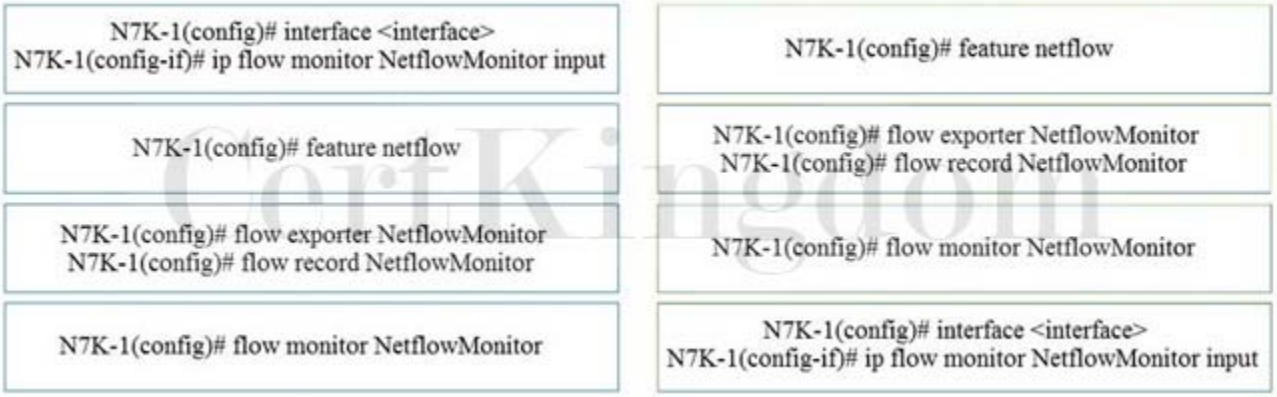
Exam	**350-601**
Title	**Implementing and Operating Cisco Data Center Core Technologies**
Version	**6.0**
Product Type	**281 Q&A with explanations**

certexam.org

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:



Correct Answer:



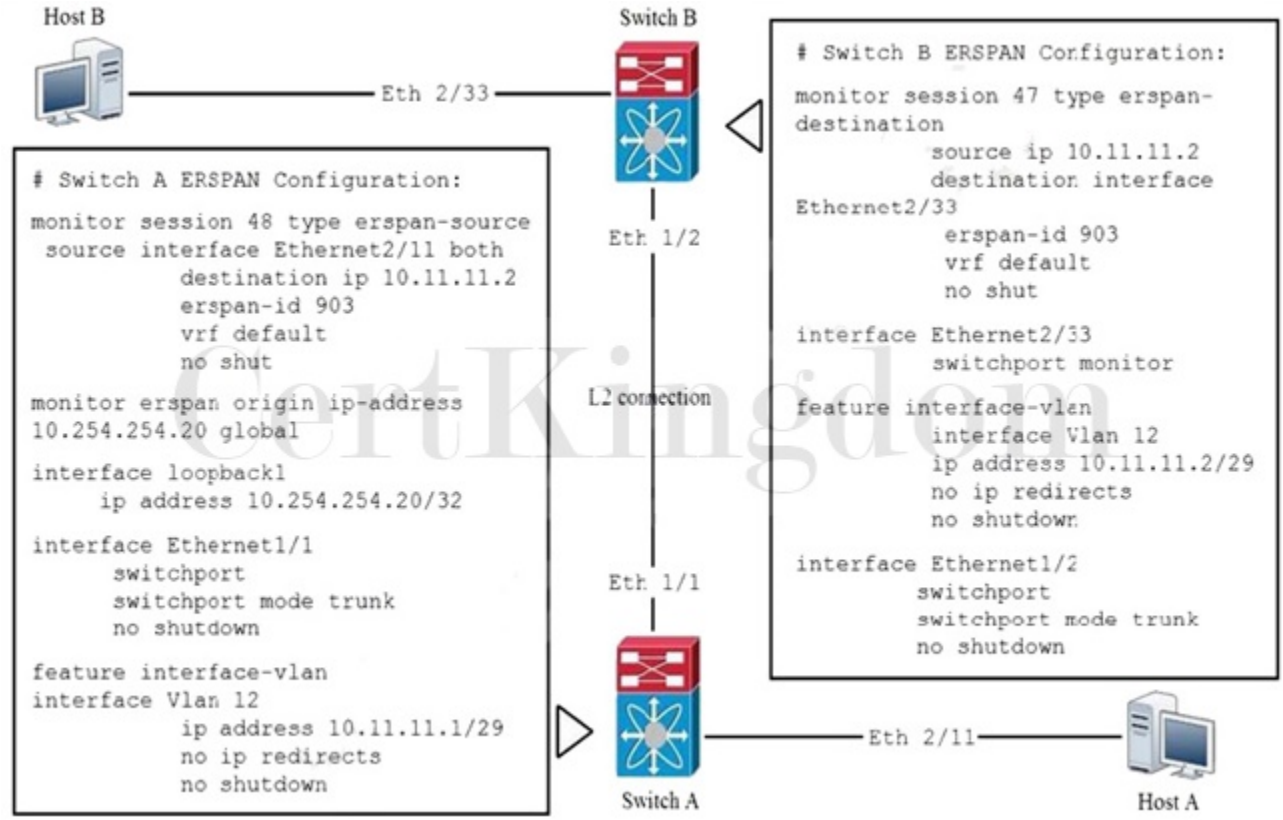
Section: Network
Explanation
Explanation/Reference:
Reference: https://www.cisco.com/c/en/us/support/docs/switches/nexus-7000-series-switches/112213-netflownexus7000-nsox-configex.html

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

A. 0000.5E00.0110
B. 0000.0C9F.F00A
C. 3784.0898.1C0A
D. 0000.0C9F.F010

Answer: B
Section: Network
Explanation
Explanation/Reference:

QUESTION 3
Refer to the exhibit.



Which statement about the ERSPAN configuration in this environment is true?

A. The session number of the source of ERSPAN spanned traffic must have a session ID of 47 for the traffic analyzer to receive the traffic.
B. Host B is the source of ERSPAN spanned traffic and host A is the traffic analyzer.
C. The session number of the source of ERSPAN spanned traffic must have a session ID of 48 for the traffic analyzer to receive the traffic.
D. Host A is the source of ERSPAN spanned traffic and host B is the traffic analyzer.

Answer: D
Section: Network
Explanation
Explanation/Reference:

QUESTION 4
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.

CertKingdom
certexam.org

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: A,E
Section: Network
Explanation
Explanation/Reference:

QUESTION 5
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
Section: Network
Explanation
Explanation/Reference:

QUESTION 6
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
Section: Network
Explanation
Explanation/Reference:

QUESTION 7
Refer to the exhibit.

certexam.org

```
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
Section: Network
Explanation
Explanation/Reference:

QUESTION 8
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 1 LSA
C. type 5 LSA
D. type 3 LSA

Answer: A
Section: Network
Explanation
Explanation/Reference:

QUESTION 9
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.

CertKingdom

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 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
Section: Network
Explanation
Explanation/Reference:

QUESTION 10
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
```

CertKingdom

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
Section: Network
Explanation
Explanation/Reference:

QUESTION 11
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.

certexam.org

Answer: B,C
Section: Network
Explanation
Explanation/Reference:

QUESTION 12
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
```

CertKingdom
certexam.org

Answer: A
Section: Network
Explanation
Explanation/Reference:

QUESTION 13
Refer to the exhibit.

```
switch(config)# interface Ethernet 2/2
switch(config)# ip address 172.23.231.240/23
switch(config)# ip verify unicast source reachable-via rx
```

What is configured as a result of running these commands?

A. loose unicast RPF
B. strict unicast RPF
C. IP Source Guard
D. reverse lookup for outbound packets

Answer: B
Section: Network
Explanation
Explanation/Reference:

QUESTION 14
Which configuration implements static ingress replication?
A.

```
interface nve 1
 member vni 3716135
 ingress-replication protocol bgp
```

B.

```
interface nve 1
 member vni 3716135
  peer vtep 10.0.0.4
```

C.

```
interface nve 1
 member vni 3716135
  peer vtep 10.0.0.4
  ingress-replication protocol static
  peer-ip 10.0.0.4
```

D.

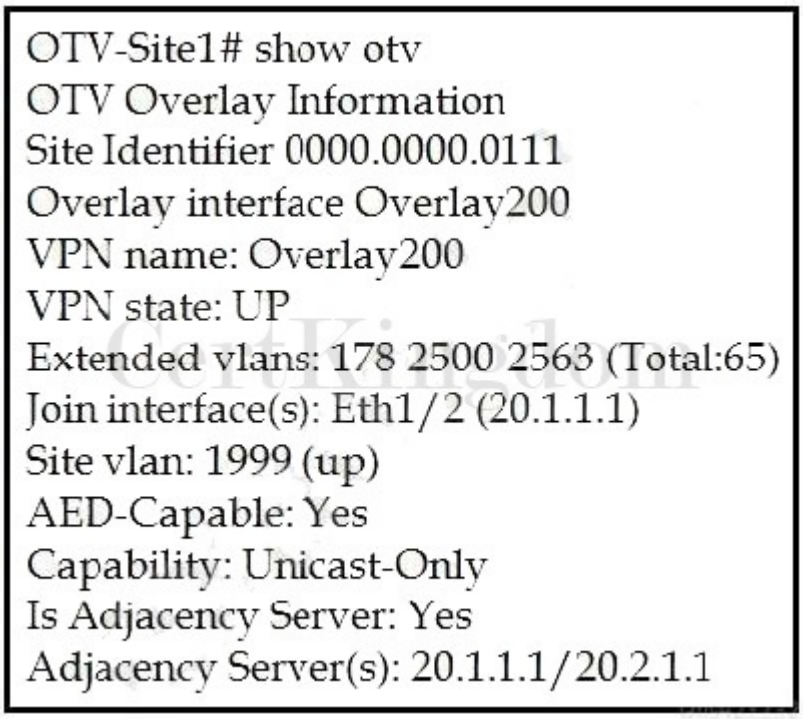
```
interface nve 1
 member vni 3716135
 ingress-replication protocol static
  peer-ip 10.0.0.4
```

Answer: D
Section: Network

certexam.org

Explanation
Explanation/Reference:

QUESTION 15
Refer to the exhibit.



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 Overlay200
 otv join-interface Ethernet1/2
 otv extend-vlan 178, 2500-2563
 otv use-adjacency-server 20.1.1.1 unicast-only
```

B.

```
interface Overlay200
 otv join-interface Ethernet1/2
 otv extend-vlan 178, 2500-2563
```

C.

```
interface Overlay200
 otv join-interface Ethernet1/2
 otv extend-vlan 178, 2500-2563
 otv use-adjacency-server 20.1.1.1 20.2.1.1 unicast-only
```

D.

```
interface Overlay200
 otv join-interface Ethernet1/2
 otv extend-vlan 178, 2500-2563
 otv adjacency-server unicast-only
```

Answer: C
Section: Network

certexam.org

Explanation
Explanation/Reference:

QUESTION 16
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
Section: Network
Explanation
Explanation/Reference:

QUESTION 17
Refer to the exhibit.

```
Nexus# show vpc peer-keepalive | i Keepalive
--Keepalive interval : 1000 msec
--Keepalive timeout : 5 seconds
--Keepalive hold timeout : 3 seconds
--Keepalive vrf : management
--Keepalive udp port : 3200
--Keepalive tos : 192

Nexus# ethanalyzer local interface mgmt limit-captured-frames 1000

Capturing on mgmt0
2019-06-15 12:01:51.242597 192.168.254.11 -> 192.168.254.3 ICMP Echo (ping) request
2019-06-15 12:01:51.242860 192.168.254.3 -> 192.168.254.11 ICMP Echo (ping) reply
2019-06-15 11:50:15.975474 192.168.254.1 -> 192.168.254.3 TCP 47540 > bootps [SYN] Seq=0 Win=1024 Len=0 MSS=1460
2019-06-15 11:50:15.975547 192.168.254.3 -> 192.168.254.1 TCP 29 > 47540 [RST, A CK] Seq=1 Ack=1 Win=0 Len=0
2019-06-15 11:50:15.975564 192.168.254.1 -> 192.168.254.3 TCP 47540 > 44 [SYN] Seq=0 Win=1024 Len=0 MSS=1460
2019-06-15 11:50:15.975924 192.168.254.1 -> 192.168.254.3 TCP 47540 > discard [SYN] Seq=0 Win=1024 Len=0 MSS=1460
2019-06-15 11:50:15.976027 192.168.254.1 -> 192.168.254.3 TCP 47540 > 97 [SYN] Seq=0 Win=1024 Len=0 MSS=1460
2019-06-15 11:50:15.976381 192.168.254.1 -> 192.168.254.3 TCP 47540 > 35 [SYN] Seq=0 Win=1024 Len=0 MSS=1460
2019-06-15 11:50:16.661845 192.168.254.3 -> 192.168.254.4 UDP Source port: 3200 Destination port: 3200
2019-06-15 11:50:16.761147 00:8e:73:a2:41:13 -> 01:80:c2:00:00:00 STP Conf. Root = 8192/10/ec:e1:a9:df:6c:80 Cost = 22 Port = 0x8013
2019-06-15 11:50:16.853248 192.168.254.4 -> 192.168.254.3 UDP Source port: 3200 Destination port: 3200
2019-06-15 11:50:17.326253 192.168.254.1 -> 192.168.254.3 SSH Encrypted request packet len=52
2019-06-15 11:50:17.327313 192.168.254.3 -> 192.168.254.1 SSH Encrypted response packet len=1348
2019-06-15 11:50:17.377246 192.168.254.4 -> 239.255.70.83 UDP Source port: 7546 Destination port: 7546
2019-06-15 11:50:17.552215 192.168.254.1 -> 192.168.254.3 TCP 14139 > ssh [ACK] Seq=365 Ack=11277 Win=63546 Len=0
2019-06-15 11:50:17.661764 192.168.254.3 -> 192.168.254.4 UDP Source port: 3200 Destination port: 3200
2019-06-15 11:50:17.653242 192.168.254.4 -> 192.168.254.3 UDP Source port: 3200 Destination port: 3200
2019-06-15 11:50:17.872637 8c:60:4f:aa:c2:e1 -> 01:80:c2:00:00:0e LLDP Chassis Id = 8c:60:4f:aa:c2:e1 Port Id = mgmt0 TTL = 120
2019-06-15 11:50:08.173056 192.168.254.3 -> 192.168.254.2 NTP NTP client
2019-06-15 11:50:08.173256 192.168.254.2 -> 192.168.254.3 NTP NTP server
```

A flapping link issue has been reported on the vPC keepalive link. A packet capture has been activated on the Cisco Nexus switch.
What is the destination IP address of the vPC keepalive packets that are sent by the switch?

A. 192.168.254.4
B. 192.168.254.1
C. 192.168.254.2
D. 239.255.70.83

Answer: A
Section: Network
Explanation
Explanation/Reference:

certexam.org

QUESTION 18
Due to a major version change, an engineer must perform a software upgrade on a Cisco Nexus Series switch.
Which two technologies should be implemented to reduce disruptions to the network during the upgrade? (Choose two.)

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

Answer: A,C
Section: Network
Explanation
Explanation/Reference:

QUESTION 19
Refer to the exhibit.

```
restart pim
```

What is the result of running the command presented?

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

Answer: C
Section: Network
Explanation
Explanation/Reference:

QUESTION 20
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
Section: Network
Explanation
Explanation/Reference:

QUESTION 21
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: A,B
Section: Network
Explanation
Explanation/Reference: