



# 400-151<sup>Q&As</sup>

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### QUESTION 1

Which two statements about geolocation policies in the ACI Fabric are true ?

- A. Geolocation is the identification of the real-world geographic location of a networking device
- B. Geolocation policies are dynamically configured in ACI using the site address field in the spine and leaf Type-network
- C. Creating a geolocation policy involves creating a site, floor, room, and row
- D. Geolocation policies are configured under Fabric > Access Policies
- E. Geolocation is performed by associating a geographic location with an IP address

Correct Answer: CE

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### QUESTION 2

Which two statements about VLAN trunking Protocol are true? (Choose two)

- A. On Cisco Nexus switches, VLAN Trunking Protocol is enabled by default.
- B. VLAN Trunking Protocol is only supported on Layer 2 trunk interfaces
- C. Layer 2 trunk interfaces, Layer 2 port channels, and virtual port channels support VLAN Trunking Protocol functionality.
- D. VLAN Trunking Protocol is a Layer 2 messaging protocol that maintains VLAN consistency by managing the addition, deletion, and renaming of VLANs within a VLAN Trunking Protocol domain.
- E. VLAN Trunking Protocol is a Layer 2 messaging protocol that maintains the interface VLAN configuration within a VLAN Trunking Protocol domain.

Correct Answer: CD

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### QUESTION 3

Which routing protocol is implemented between leaf and spine switches to propagate external routes within the ACI fabric?

- A. static routes
- B. Border Gateway Protocol
- C. Intermediate System-to-Intermediate System
- D. Open Shortest Path First



E. Multiprotocol Border Gateway Protocol

Correct Answer: E

**QUESTION 4**

You are configuring an ACI fabric with Layer 3 out connectivity you want to allow traffic to traverse from one external EPG to another external EPG or alternatively to another internal EPG. Which option must be configured to permit the packets between these two EPGs, assuming the subnet is already being advertised correctly?

- A. Export Route Control
- B. Aggregate Export
- C. Security import subnet
- D. Import Route Control
- E. Aggregate Import

Correct Answer: C

**QUESTION 5**

Drag and drop the correct port security configuration on the left to the correct action on the right.

Select and Place:

ShutDown
Errdisable
Restrict
Protect

Shuts down the interface that received the packet triggering the violation.
The address that triggered the security violation is learned, but any traffic from the address is dropped.
Configure the device to re-enable the interface automatically if a shutdown occurs.
Drops ingress traffic from any nonsecure MAC addresses. The device keeps a count of the number of dropped packets.

Correct Answer:


ShutDown	
Protect	in the
Errdisable	occurs.
Restrict	count of the



### QUESTION 6

Which two statements about Fabric Path are true? (Choose 2)

- A. Multi-destination trees are built to create a loop-free topology for unicast traffic.
- B. Fabric Path interface send and receive Ethernet and Fabric Path encapsulated packets.
- C. Fabric Path is supported on Cisco Nexus 7000 on all module types.
- D. Fabric Path switch should always be the root for a spanning tree network attached to it
- E. Spanning tree does not run inside a Fabric Path network.

Correct Answer: DE

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### QUESTION 7

Which state is the optimal health state for an APIC cluster?

- A. fully sync\ld
- B. in service
- C. in-sync
- D. fully fit

Correct Answer: D

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### QUESTION 8

Which two options are valid span configurations for a Cisco Nexus 1000 series Switch? (Choose two)

- A. N1000v(config)#monitor session 3 N1000v(config-monitor)# source interface Ethernet 2/1-4 N1000v(config-monitor)# source interface vlan 3,6-8 tx N1000v(config-monitor)# filter vlan 3-5,7 N1000v(config-monitor)# destinaiton interface Ethernet 2/2
- B. N1000v(config)#monitor session 3 N1000v(config-monitor)# source interface Ethernet 3/1-3 N1000v(config-monitor)# source interface vlan 3,6-8 tx N1000v(config-monitor)# filter vlan 3-5,7 N1000v(config-monitor)# destinaiton interface Ethernet 2/5
- C. N1000v(config)#monitor session 3 N1000v(config-monitor)# source interface Ethernet 3/1 N1000v(config-monitor)# source interface vlan 3,6-8 tx N1000v(config-monitor)# filter vlan 3-5,7 N1000v(config-monitor)# destinaiton interface Ethernet 3/2
- D. N1000v(config)#monitor session 3 N1000v(config-monitor)# source interface Ethernet 2/1-3 N1000v(config-monitor)# source interface vlan 3,6-8 tx N1000v(config-monitor)# filter vlan 3-5,7 N1000v(config-monitor)# destinaiton interface Ethernet 3/5



E. N1000v(config)#monitor session 3 N1000v(config-monitor)# source interface Ethernet 2/1-3 N1000v(config-monitor)# source interface vlan 3,6-8 tx N1000v(config-monitor)# filter vlan 3-5,7 N1000v(config-monitor)# destination interface Ethernet 2/5

Correct Answer: CE

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### QUESTION 9

How many licenses are provided with the purchase of the Cisco UCS 6296 fabric interconnect?

- A. 18
- B. 16
- C. 12
- D. 8

Correct Answer: A

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### QUESTION 10

Which Ether type is used to identify FIP?

- A. Ox8914
- B. Ox8906
- C. Ox8915
- D. Ox8905

Correct Answer: A

---

### QUESTION 11

Within Platform as a Service, which two components are managed by the customer? (Choose two)

- A. data
- B. applications
- C. networking
- D. middleware
- E. operating system

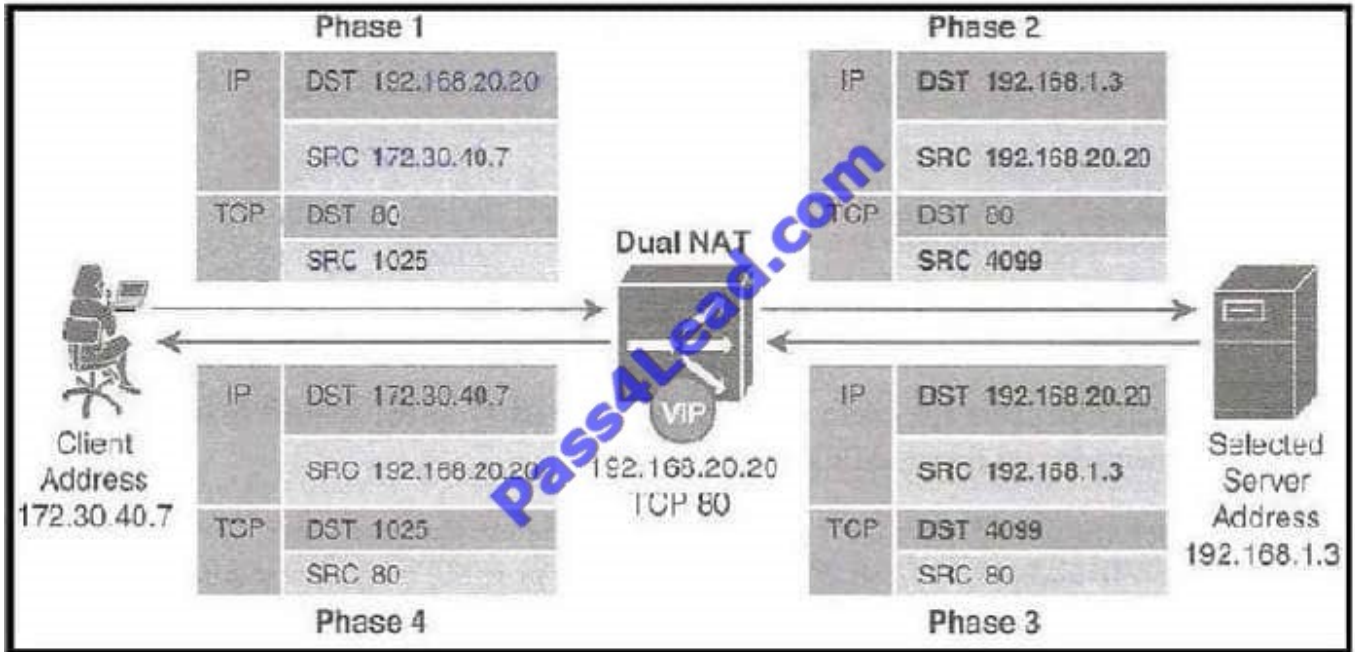
Correct Answer: AB

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**QUESTION 12**

Refer to the exhibit. Which type of address-port translation is shown?



- A. server NAT
- B. dual NAT
- C. port redirection
- D. transparent mode

Correct Answer: B

**QUESTION 13**

Refer to the exhibit. Which three statements are true? (Choose three)



SERVER INTERFACE	VSAN	FCID	PORT NAME	NODE NAME	EXTERNAL INTERFACE
vfc969	2000	0xb80602	20:00:00:25:b5:01:16:2d	20:00:00:25:b5:a1:16:2e	San-po15
vfc971	2002	0xbc0022	20:00:00:25:b5:01:16:07	20:00:00:25:b5:a1:16:2e	fc1/43
vfc972	2000	0xb80607	20:00:00:25:b5:01:16:0e	20:00:00:25:b5:a1:16:1f	San-po15
vfc974	2002	0xbc0023	20:00:00:25:b5:01:16:16	20:00:00:25:b5:a1:16:1f	fc1/43
vfc975	2000	0xb80601	20:00:00:25:b5:01:16:15	20:00:00:25:b5:a1:16:0f	San-po15
vfc977	2002	0xbc0024	20:00:00:25:b5:01:16:27	20:00:00:25:b5:a1:16:0f	fc1/43
vfc978	2000	0xb80606	20:00:00:25:b5:01:16:1b	20:00:00:25:b5:a1:16:0d	San-po15
vfc980	2002	0xbc0025	20:00:00:25:b5:01:16:29	20:00:00:25:b5:a1:16:0d	fc1/43
vfc981	2000	0xb80603	20:00:00:25:b5:01:16:29	20:00:00:25:b5:a1:16:0d	fc1/43
vfc983	2002	0xbc0026	20:00:00:25:b5:01:16:2b	20:00:00:25:b5:a1:16:2d	San-po15
vfc984	2000	0xb80605	20:00:00:25:b5:01:16:09	20:00:00:25:b5:a1:16:2d	fc1/43
vfc986	2002	0xbc0027	20:00:00:25:b5:01:16:0c	20:00:00:25:b5:a1:16:1e	San-po15
vfc987	2000	0xb80604	20:00:00:25:b5:01:16:18	20:00:00:25:b5:a1:16:1e	fc1/43
vfc989	2002	0xbc0028	20:00:00:25:b5:01:16:1d	20:00:00:25:b5:a1:16:0e	San-po15
				20:00:00:25:b5:a1:16:0e	fc1/43

- A. Zoning is configured on the upstream SAN switch.
- B. Storage is attached directly to Cisco UCS.
- C. There are 14 blades active in the system.
- D. The Cisco UCS Manager is in switch mode.
- E. Two separate physical SAN switches are upstream of Cisco UCS.
- F. There are 7 blades active in the system.
- G. The Cisco UCS Manager is in end-host.
- H. Zoning is configured on Cisco UCS Manager.

Correct Answer: AFG

#### QUESTION 14

After configuring Fabric Path, the following message appears in the syslog:

```
%STP-2-L2GW_BACKBONE_BLOCK: L2 Gateway Backbone port inconsistency blocking port port- channed100 on Vlan0010.
```

What is a possible reason for this message?

- A. Spanning tree must be disabled, and the message indicates that STP is enabled.
- B. STP is misconfigured. The root guard must be disabled.





- C. An inferior BPDU was received on a Cisco Fabric Path edge port
- D. A superior BPDU was received on a Cisco Fabric Path edge port

Correct Answer: D

### QUESTION 15

Assume that ucsd-dcloud cisco.com is the correct address of the cisco UCS Director server. Which two options are prerequisites to access the cisco UCS Director REST API interface? (Choose two)

- A. Run the dbgtoken utility and ask TAC to generate a response cookie
- B. Submit the username/password to <http://ucsd-dcloud.cisco.com/api/access> to obtain session cookie
- C. Obtain the REST API Access Key code for the User Information dialog box
- D. Obtain the developer token from cisco Devnet
- E. Enable the Developer menu on the Advanced tab of the User Information dialog box

Correct Answer: CE

### QUESTION 16

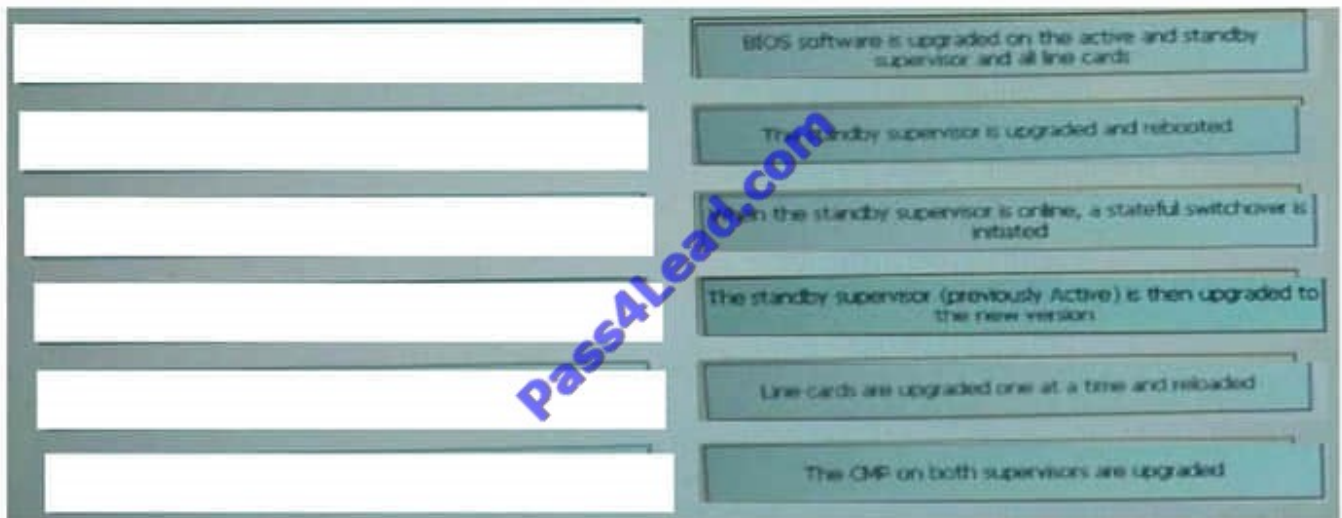
Drag and drop sequence of the steps on left for ISSU software of dual supervisor switches to achieve a non-disruptive upgrade on the right.

Select and Place:

The standby supervisor (previously Active) is then upgraded to the new version	Step 1
The OMP on both supervisors are upgraded	Step 2
When the standby supervisor is online, a stateful switchover is initiated	Step 3
BIOS software is upgraded on the active and standby supervisor and all line cards	Step 4
Line cards are upgraded one at a time and rebooted	Step 5
The standby supervisor is upgraded and rebooted	Step 6

Correct Answer:



**QUESTION 17**

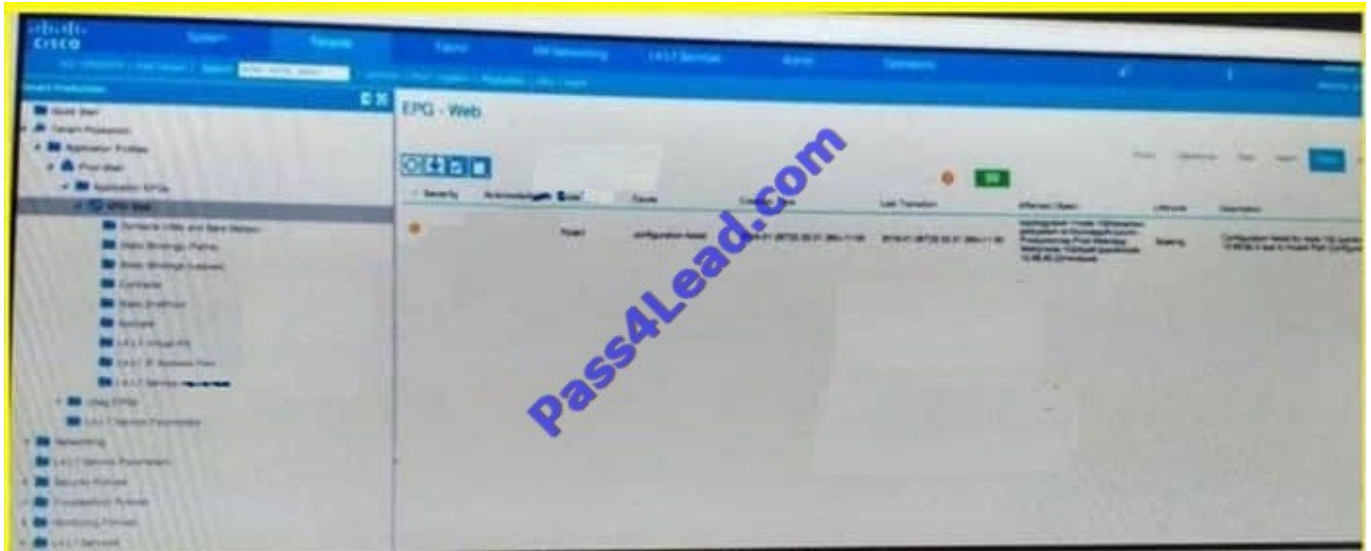
In cloud computing, which statement best describes a hybrid cloud?

- A. A service cloud that provides computer servers to multiple tenants
- B. A cloud architecture that combines different cloud offerings such as infrastructure as a service and software as a service.
- C. A type of infrastructure as a service cloud that provides ad hoc storage
- D. A cloud architecture where there is a data exchange between public and private cloud offerings

Correct Answer: D

**QUESTION 18**

Refer to the exhibit. Your application has a reduced health score. Upon inspection, you find a fault that impacts the health score. The fault currently is in the soaking lifecycle state. Which two options are possible next steps while in this state? (Choose two)



- A. Acknowledge the fault. which immediately clears it from the system
- B. Once the soaking timer expires the fault ceases and no change is expected in severity level.
- C. The condition ceases by itself and goes into the soaking-clearing state
- D. The condition ceases by itself and automatically clears the fault
- E. The soaking timer expires and moves to the Raised severity

Correct Answer: CE

#### QUESTION 19

Which three service request states are valid in cisco UCS Director service request execution state? (Choose three)

- A. on hold
- B. listening
- C. scheduled
- D. running
- E. failed
- F. debugging

Correct Answer: CDE

#### QUESTION 20



Which platform support ITD?

- A. NEXUS 7000, NEXUS 9000, NEXUS 6000, NEXUS 5000
- B. NEXUS 7000, NEXUS 9000 ONLY
- C. NEXUS 7000, NEXUS 9000, and NEXUS 6000 only
- D. NEXUS 7000 with F3 line cards only
- E. NEXUS 7000, NEXUS 9000, and NEXUS 5000 only

Correct Answer: A

---

#### QUESTION 21

Which option must be configured before IP Source Guard is used successfully in your network environment?

- A. Dynamic ARP inspection
- B. DHCP snooping
- C. port security
- D. dot1x

Correct Answer: B

---

#### QUESTION 22

Which three limitations or requirements do MP-BGP-Based EVPN addressed have compared to the initial IETF VXLAN standard (RFC 7348)? (Choose 3)

- A. Scalability limitation due to data-driven flood-and-learn behavior
- B. Control-Plane learning of end-host layer 2 and layer 3 reachability information, which provides integrated bridging and routing in VXLAN overlay networks
- C. Network flooding through protocol-based host MAC/IP router distribution and ARP suppression on the local VTEPs
- D. Active-passive multihoming at layer 2
- E. Requirement to disable multicast for underlay forwarding.

Correct Answer: ABC

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#### QUESTION 23

Which three options are valid local disk configuration policies? (Choose 3)

- A. RAID 40



- B. RAID 60
- C. RAID 7
- D. RAID 30
- E. RAID 50
- F. RAID 6

Correct Answer: BEF

### QUESTION 24

Drag and drop two configurations that should fail without data loss from the left column into the 2 Devices Lost column on the right.

Select and Place:

The screenshot shows a drag-and-drop interface. On the left, there are five teal boxes representing RAID configurations: "two drives in RAID0", "four drives in RAID1", "three drives in RAID5", "four drives in RAID6", and "six drives in RAID10". On the right, there is a yellow box labeled "2 Drives Lost" containing two empty slots numbered "1" and "2". A blue watermark "Pass4Lead.com" is overlaid on the image.

Correct Answer:

The screenshot shows the same drag-and-drop interface as above, but with two configurations moved into the "2 Drives Lost" column. The configurations are "four drives in RAID6" and "four drives in RAID1". The other configurations remain in their original positions. A blue watermark "Pass4Lead.com" is overlaid on the image.

**QUESTION 25**

Which two items have an impact on the maximum number of virtual interfaces that can be created on a virtual interface card? (Choose 2)

- A. number of blades in the chassis
- B. number of acknowledged links between the Fabric Interconnect and the I/O module
- C. number of connected uplinks
- D. number of Fabric Interconnect port ASICs used by uplinks
- E. number of Fabric Interconnects
- F. number of VIC

Correct Answer: BD

---

**QUESTION 26**

Which two Cisco Nexus 2000 Series Fabric Extenders support FCoE? (Choose 2)

- A. 2248TP
- B. 2232ET-P
- C. 2224TP
- D. 2232PP
- E. 2232TM-E

Correct Answer: DE

---

**QUESTION 27**

Which two statements about a "Virtual PortChannel graceful consistent check" are true? (Choose 2)

- A. Graceful consistency check is enabled by default.
- B. When graceful consistency check is enable, only the link on the secondary peer device are suspended.
- C. Graceful consistency check is disable by default, so to enable this feature, use graceful consistency- check command under VPC domain configuration mode.
- D. When graceful consistency check is enabled, only the inconsistent VLANs on the secondary peer device are suspended.

Correct Answer: AB

---

**QUESTION 28**

Which option is a valid overlay interface configuration and configures the OTV edge device as a secondary OTV adjacency server?

- A. interface Overlay 1 otv join-interface e 101/1/48 otv adjacency-server secondary otv use-adjacency-server primary 10.1.1 1 otv extend-vlan 5-10
- B. interface Overlay 1 otv join-interface e1/2 otv adjacency-server unicast-only otv use-adjacency-server 10 111 unicast-only otv extend-vlan 5-10
- C. interface Overlay 1 otv join-interface e101/1/48 otv adjacency-server unicast-only otv use-adjacency-server 10 1.1 1 unicastonly otv extend-vlan 5-10
- D. interface Overlay 1 otv join-interface e1/2 otv use-adjacency-sen/er 10.1 1 1 10.1.1 2 otv extend-vlan 5-10

Correct Answer: B

---

**QUESTION 29**

Which option must be configured before IP Source Guard is used successfully in your network environment?

- A. Dynamic ARP inspection
- B. Dot1x
- C. DHCP snooping
- D. Port security

Correct Answer: C

---

**QUESTION 30**

What is the purpose of the management interface monitoring policy?

- A. to monitor the management interface counts for errors and drops
- B. to prevent VM traffic from being black-holed during a cluster switchover
- C. to sync MAC address tables between peer fabric interconnects
- D. to ensure that management interface of the managing fabric interconnect can reach the gateway

Correct Answer: D

---

**QUESTION 31**

Which statement about supportability with ITD is true?

- A. Up to 128 ACE enties are supported





- B. Deny ACE enties are supported
- C. ITD is supported on fabric extenders
- D. Weighted load balancing is supported

Correct Answer: D

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/7-x/itd/configuration/guide/b\\_Cisco\\_Nexus\\_9000\\_Series\\_NX-OS\\_Intelligent\\_Traffic\\_Director\\_Configuration\\_Guide\\_7x/b\\_Cisco\\_Nexus\\_9000\\_Series\\_NXOS\\_Intelligent\\_Traffic\\_Director\\_Configuration\\_Guide\\_7x\\_chapter\\_010.html#concept\\_1AE89B98882646F492786590EAA85F70](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/7-x/itd/configuration/guide/b_Cisco_Nexus_9000_Series_NX-OS_Intelligent_Traffic_Director_Configuration_Guide_7x/b_Cisco_Nexus_9000_Series_NXOS_Intelligent_Traffic_Director_Configuration_Guide_7x_chapter_010.html#concept_1AE89B98882646F492786590EAA85F70)

---

### QUESTION 32

Which two actions must occur for an APIC to be discovered successfully into a new ACI fabric? (Choose two)

- A. LLDP must be disabled on the virtual interface card of the APIC
- B. LLDP must be enabled on the virtual interface card of the APIC
- C. The controller must be discovered automatically
- D. A BIOS password must be set
- E. The fabric controller target size must be equal to or greater than the number of APICs

Correct Answer: AE

---

### QUESTION 33

Which two options are functions of the 6LoWPAN header? (choose 2)

- A. IPv6 header compression
- B. cyclic redundancy check
- C. limit the lifespan of a packet (TTL)
- D. Layer 2 encryption
- E. packet fragmentation and reassembly

Correct Answer: AE

---

### QUESTION 34

Refer to the exhibit. You are connecting a Cisco Nexus 2000 to an existing Cisco UCS Fabric Interconnect domain for C-Series intergration. Which option describes the next Cisco Nexus 2000 that will be discovered?



```
F340-33-16-FI-A(nxos)# show fex
```

FEX Number	FEX Description	FEX State	FEX Model	Serial
1	FEX0001	Online	N20-C6508	FCH121221HK
2	FEX0002	Online	N20-C6508	FCH154321KF

- A. FEX0101
- B. FEX0003
- C. FEX0102
- D. FEX1000
- E. FEX1001

Correct Answer: B

### QUESTION 35

Which two statements about OpenStack are true? (Choose two)

- A. Nova is the compute component that is used to manage and automate the provisioning of compute resources
- B. horizon is the component that is used for IP address management
- C. Keystone is the networking component that is used to create and manage network resources
- D. nova is the GUI web application that is used to control and configure different OpenStack components
- E. neutron is the networking component that is used to create and manage network resources

Correct Answer: AE

### QUESTION 36

You have configured Cisco UCS C460 M2 Rack-Mount Server with two vic 1225 adapters for single-wire management with Cisco UCS Manager. Which statement correctly describes the operation of these adapters?

- A. One VIC is designated to carry management, and the other VIC is designated to carry data traffic.
- B. Both VICs will be used for management and data traffic.
- C. One VIC will carry management, and both VICs will carry data traffic.
- D. The Cisco UCS C460 M2 does not support two VIC 1225 adapters simultaneously.

Correct Answer: C



### QUESTION 37

Which Cisco UCS Director feature enables you to view the REST API URL for every report displayed in Cisco UCS Director?

- A. report metadata
- B. orchestration feature set
- C. REST API Browser
- D. automation feature set

Correct Answer: A

---

### QUESTION 38

Which protocol is best suited for wireless communication in an LOT deployment where sensors only have a power generating element (and do not have a battery)?

- A. Bluetooth
- B. ZigBee
- C. WIFI
- D. 3G/4G

Correct Answer: B

---

### QUESTION 39

Refer to the exhibit. vPC+ is configured between which switches?



```
sw13# sh fabricpath switch-id
                                FABRICPATH SWITCH-ID TABLE
Legend: '*' - this system
-----+-----+-----+-----+-----+-----+
SWITCH-ID  SYSTEM-ID  FLAGS  STATE  STATIC  EMULATED
-----+-----+-----+-----+-----+-----+
11         f866.f20c.bdc1  Primary  Confirmed  Yes  No
12         f866.f20c.bdc2  Primary  Confirmed  Yes  No
*13        f866.f20c.bdc3  Primary  Confirmed  Yes  No
21         0026.9812.be41  Primary  Confirmed  Yes  No
22         0026.9812.be42  Primary  Confirmed  Yes  No
23         0026.9812.be43  Primary  Confirmed  Yes  No
100        f866.f20c.bdc3  Primary  Confirmed  No   Yes
100        0026.9812.be43  Primary  Confirmed  No   Yes
Total Switch-ids: 8
```

- A. Switch-ID 13 and Switch-ID 23
- B. Switch-ID 11 and Switch-ID 12
- C. Switch-ID 100 only
- D. Switch-ID 13 and Switch-ID 100

Correct Answer: A

#### QUESTION 40

Which three statements about ASM and SSM are correct? (Choose 3)

- A. By Default, the SSM group range from PIM is 232.0.0.0/8 and for PIM6 is FF3X/96
- B. ASM mode required that you configure an RP
- C. PIM ASM is not fully supported on a Vpc
- D. If you want to use the default SSM group range, you must configure the SSM group range.
- E. In ASM mode, only the last-hop router switches from the shared tree to the SPT

Correct Answer: ABE



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