



300-620^{Q&As}

Implementing Cisco Application Centric Infrastructure (DCACI)

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QUESTION 1

An engineer must ensure that Cisco ACI flushes the appropriate endpoints when a topology change notification message is received in an MST domain. Which three steps are required to accomplish this goal? (Choose three.)

- A. Enable the BPDU interface controls under the spanning tree interface policy.
- B. Configure a new STP interface policy.
- C. Bind the spanning tree policy to the switch policy group.
- D. Associate the STP interface policy to the appropriate interface policy group.
- E. Create a new region policy under the spanning tree policy.
- F. Map VLAN range to MST instance number.

Correct Answer: CEF

<https://learnduty.com/cisco-aci/cisco-aci-and-mst-interaction/>

QUESTION 2

An engineer wants to monitor all configuration changes, threshold crossing, and link-state transitions in a Cisco ACI fabric. Which action must be taken to receive the required messages?

- A. Add Faults and Events to the monitor policy.
- B. Add Session Logs and Audit Logs to the monitor policy.
- C. Include Audit Logs and Events in the Syslog source policy.
- D. Include Events and Session Logs in the Syslog source policy.

Correct Answer: C

QUESTION 3

A recent set of changes by a Cisco ACI administrator corrupted the APIC cluster. The ACI engineer must restore the configuration of the previous day. The APIC nodes in the cluster can communicate but fail to connect with other networks. The administrator plans to overwrite the entire existing configuration with the backup configuration. Which set of actions accomplishes this task?

- A. Restore using the last configuration on the factory-reset APIC. Use an import policy set to Best-effort.
- B. Roll back the configuration using a local snapshot. Use an import policy set to Atomic Replace.
- C. Roll back the configuration using a local snapshot. Use an import policy set to Best-effort Merge.
- D. Restore the configuration imported from an FTP server. Use an import policy set to Atomic.



Correct Answer: B

Atomic Replace - overwrites existing configuration with imported configuration data. Any objects in the existing configuration that do not exist in the imported configuration are deleted. Objects are deleted from the existing configuration that have children in the existing configuration but do not have children in the incoming imported configuration. For example, if an existing configuration has two tenants, solar and wind, but the imported backed up configuration was saved before the tenant wind was created, tenant solar is restored from the backup but tenant wind is deleted.

Rollback is when a previous configuration snapshot is used to replace the current APIC configuration. This can be done on the granularity of a snapshot file. This means that a single tenant can be moved back to a previous configuration while the other tenants keep their current configuration state. This is often referred to as partial rollback. When all of the configuration files for a particular version are used to replace the current APIC configuration, this is referred to as a full rollback.

QUESTION 4

A bridge domain for an EPG called "Web Servers" must be created in the Cisco APIC. The configuration must meet these requirements:

1.

Only traffic to known MAC addresses must be allowed to reduce noise.

2.

The multicast traffic must be limited to the ports that are participating in multicast routing.

3.

The endpoints within the bridge domain must be kept in the endpoint table for 20 minutes without any updates.

Which set of steps configures the bridge domain that satisfies the requirements?

A. Switch L2 Unknown Unicast to Flood. Select the default Endpoint Retention Policy and set the Local Endpoint Aging to 20 minutes. Set Multicast Destination Flooding to Flood in Encapsulation.

B. Set L2 Unknown Unicast to Hardware Proxy. Configure L3 Unknown Multicast Flooding to Optimized Flood. Create an Endpoint Retention Policy with a Local Endpoint Aging Interval of 1200 seconds.

C. Multicast Destination Flooding should be set to Flood in BD. Set L3 Unknown Multicast Flooding to Flood. Select the default Endpoint Retention Policy with a Local Endpoint Aging Interval of 1200 seconds.

D. Select the ARP Flooding checkbox. Create an Endpoint Retention Policy with a Remote Endpoint Aging Interval of 20 minutes. Set L3 Unknown Multicast Flooding to Optimized Flooding.

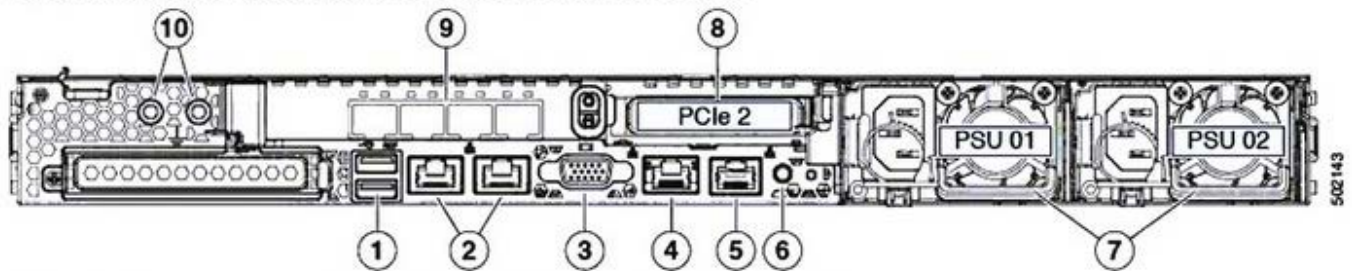
Correct Answer: B

QUESTION 5

Refer to the exhibit.



Figure 2. Connection Features on a Third-Generation APIC Controller



1	USB 3.0 ports (two)
2	Dual 1-Gb/10-Gb Ethernet ports (LAN1 and LAN2) The dual LAN ports can support 1 Gbps and 10 Gbps, depending on the link partner capability.
3	VGA video port (DB-15 connector)
4	1-Gb Ethernet dedicated management port
5	Serial port (RJ-45 connector)
6	Rear unit identification button/LED
7	Power supplies (two, redundant as 1+1)
8	PCIe riser 1/slot 1 (x16 lane)
9	VIC 1455 with external 10/25-Gigabit Ethernet ports (4)
10	Threaded holes for dual-hole grounding lug

<... output omitted ...>

Out-of-band management configuration ...

Enable IPv6 for Out of Band Mgmt Interface? [N]:

Enter the IPv4 address [192.168.10.1/24]: 172.23.142.29/21

Enter the IPv4 address of the default gateway [None]: 172.23.136.1

Enter the interface speed/duplex mode [auto]:

admin user configuration ...

Enable strong passwords? [Y]:

Enter the password for admin: C4SCO376AB984AA9

<... output omitted ...>

A network engineer deploys Cisco APIC for the first time. Which connectivity type must be used to connect a Cisco ACI APIC node to connect to an out-of-band segment?

- A. 4. 1-Gb Ethernet dedicated management port
- B. 5. Serial port (RJ-45 connector)
- C. 9. VIC 1455 with external 10/25-Gigabit Ethernet ports
- D. 2. Dual 1-Gb/10-Gb Ethernet ports (LAN1 and LAN2)

Correct Answer: D



Out-of-band 1-Gb/10-Gb Ethernet management ports for management of APIC OS only

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