

Pass Guaranteed Quiz 2025 300-620: High-quality Simulated Implementing Cisco Application Centric Infrastructure Test



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>> Simulated 300-620 Test <<

300-620 Study Materials, Detailed 300-620 Answers

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Cisco 300-620 Exam is designed to test the knowledge and skills of IT professionals in implementing and managing the Cisco Application Centric Infrastructure (ACI). ACI is a powerful software-defined networking technology that allows IT teams to manage and automate their data center networks. Implementing Cisco Application Centric Infrastructure certification exam is ideal for IT professionals who want to gain expertise in ACI and advance their careers in network administration.

Cisco Implementing Cisco Application Centric Infrastructure Sample Questions (Q72-Q77):

NEW QUESTION # 72

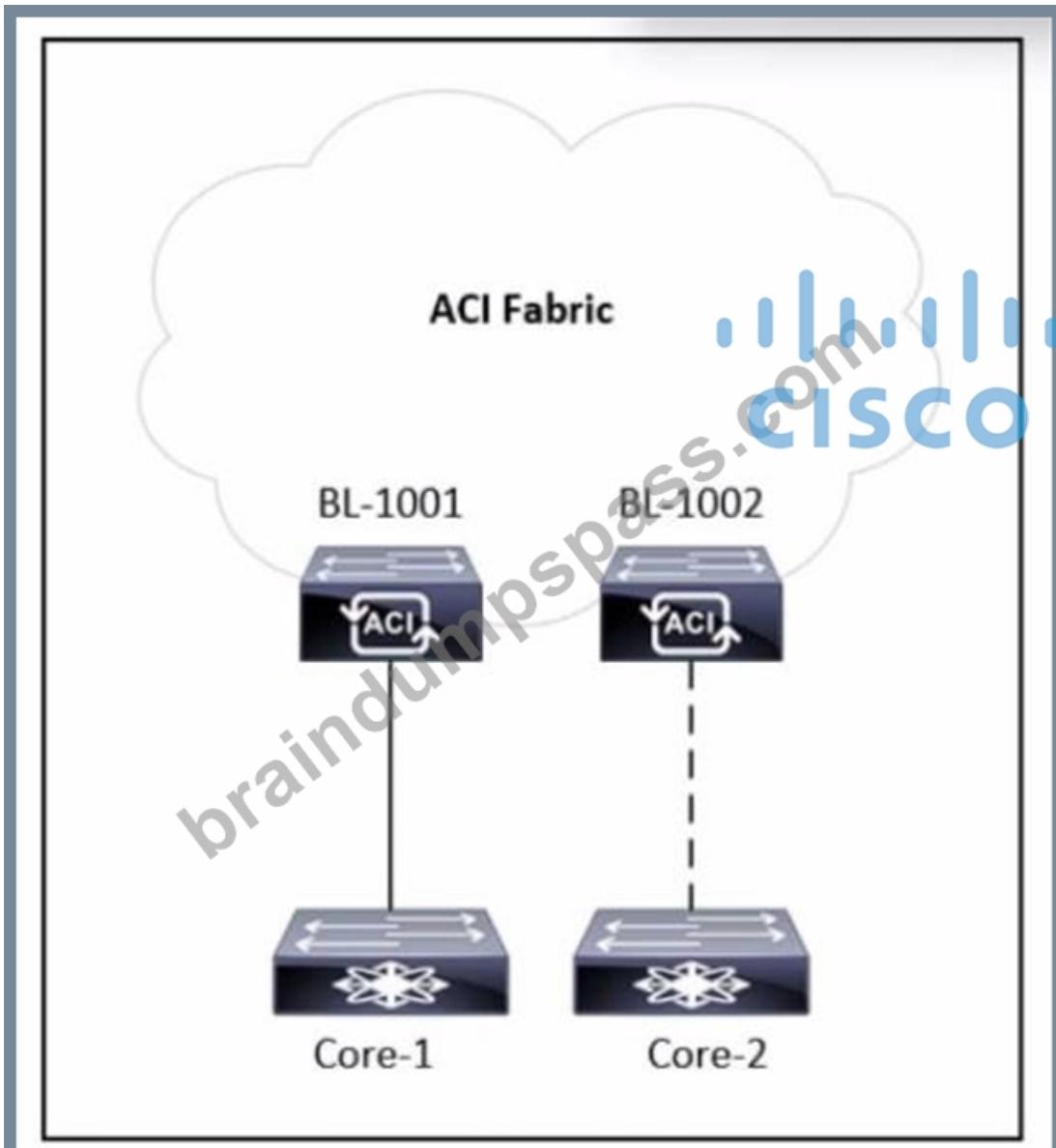
Which two protocols are used for fabric discovery in ACI? (Choose two.)

- A. CDP
- B. DHCP
- C. LLDP
- D. ISIS
- E. OSPF

Answer: B,C

NEW QUESTION # 73

Refer to the exhibit.



Refer to the exhibit. A tenant is configured with a single L30ut and a single-homed link to the core router called Core-1. An engineer must add a second link to the L30ut that connects to Core-2 router. Which action allows the traffic from Core-2 to BL-1002 to have the same connectivity as the traffic from Core-1 to BL-1001?

- A. Add a second subnet to the external EPG to the existing L30ut.
- B. **Add a second path to the logical interface profile of the existing L30ut**
- C. Add a second OSPF interface profile to the logical interface profile.
- D. Add a second interface to the external domain to the existing L30ut.

Answer: B

Explanation:

The scenario involves a tenant configured with a single L3Out and a single-homed link from the ACI fabric (via border leaf BL-1001) to a core router (Core-1). The engineer must add a second link to the L3Out, connecting to Core-2 via BL-1002, ensuring that traffic from Core-2 to BL-1002 has the same connectivity as traffic from Core-1 to BL-1001. The exhibit shows a single-homed setup with BL-1001 and BL-1002 as potential border leaves, with a dashed line indicating a planned second link.

Requirement Analysis

The existing L3Out is single-homed to Core-1 via BL-1001, and the goal is to extend it to a multi-homed configuration with Core-2 via BL-1002.

"Same connectivity" implies that the second link must be integrated into the existing L3Out configuration, sharing the same routing policies, external EPG, and subnet reachability.

The solution must leverage ACI's L3Out framework to add the new path without creating a separate L3Out or altering the current routing setup unnecessarily.

Option Evaluation

A . Add a second path to the logical interface profile of the existing L3Out:

The logical interface profile in an L3Out defines the interfaces (e.g., routed ports or sub-interfaces) and their associations with nodes (border leaves). Adding a second path to this profile allows the inclusion of the new link from BL-1002 to Core-2, ensuring it operates under the same L3Out configuration (e.g., routing protocol, external EPG). This maintains consistent connectivity and leverages ACI's multi-homing support.

Reference:

B . Add a second subnet to the external EPG to the existing L3Out:

Adding a subnet to the external EPG defines additional networks advertised or learned via the L3Out, but it does not address the addition of a new physical link or path. This is irrelevant to the connectivity requirement for the second link.

C . Add a second OSPF interface profile to the logical interface profile:

While the L3Out uses OSPF (implied by the context), adding a second OSPF interface profile would create a separate routing instance, which is unnecessary and could disrupt consistency. The existing OSPF configuration can be extended via the logical interface profile.

D . Add a second interface to the external domain to the existing L3Out:

The external domain associates VLAN pools, but it does not define paths or interfaces for L3Out connectivity. This option is incorrect as it confuses domain configuration with interface path management.

Final Answer Justification

A is correct because adding a second path to the logical interface profile of the existing L3Out integrates the new link from BL-1002 to Core-2 into the same routing and policy framework, ensuring equivalent connectivity to the Core-1 to BL-1001 link. This aligns with ACI's support for multi-homed L3Outs.

Primary Cisco Reference:

Cisco APIC Layer 3 Networking Configuration Guide, "L3Out Multi-Homing." Cisco ACI Best Practices, "Expanding L3Out Connectivity."

NEW QUESTION # 74

A retail company must configure an RBAC policy for Cisco ACI that allows its users to perform these tasks:

- View the status of the switches in the fabric and replace any switch from the fabric, but not allow the user to access any information about services configured on any ports.
- Create or modify any VLAN pool but not allow the user to associate it to a physical or external domain or change any existing associations.

Which set of privileges must be included in a custom RBAC role to accomplish these tasks?

- A. fabric-equipment access-connectivity
- B. tenant-connectivity fabric-protocol
- C. access-equipment fabric-connectivity
- D. **access-protocol access-equipment**

Answer: D

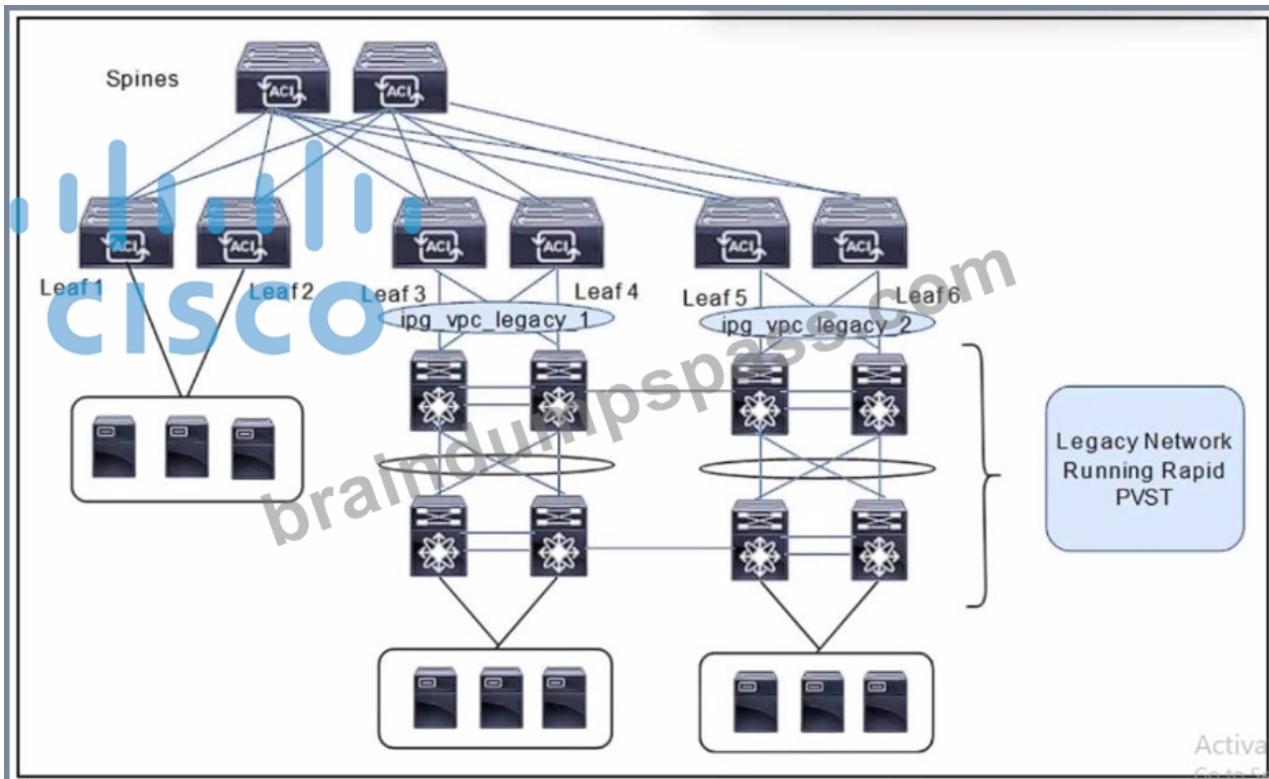
Explanation:

The access-equipment privilege lets the user view the fabric inventory and perform chassis/module operations (e.g. replace a leaf switch) without granting any higher-level fabric or connectivity rights.

The access-protocol privilege covers management of protocol-level objects in the fabric - among them VLAN pools - so the user can create or edit pools but, because they have no connectivity or domain privileges, they cannot map those pools into any physical or external domain.

NEW QUESTION # 75

Refer to the exhibit.



Refer to the exhibit. A client is configuring a new Cisco ACI fabric. All VLANs will be extended during the migration phase using the VPC connections on leaf switches 3, 4 and leaf switches toward the legacy network. The migration phase has these requirements;

* If the legacy switches must be able to transfer BPDUs through the ACI fabric.

* If the legacy switches fail to break a loop, Cisco ACI must break the loop.

Which group settings must be configured on VPC interface policy groups ipg_vpc-legacy_1 and ipg_vpc-legacy_2 to meet these requirements?

- A. MCP: enabled
BPDU Guard: disabled
BPDU Filter: disabled
- B. MCP: enabled
BPDU Guard: enabled
BPDU Filter: disabled
- C. MCP: disabled
BPDU Guard: enabled
BPDU Filter: enabled
- D. MCP: disabled
BPDU Guard: disabled
BPDU Filter: enabled

Answer: A

NEW QUESTION # 76

Which device is the pervasive gateway shown installed on?

SWITCH101# show vlan id 72 extended

VLAN	Name	Encap	Ports
72	Prod:BD-Temp	vxlan-494111381	Eth1/45,Eth1/46

- A. proxy spine switch
- B. spine switch
- C. VMM switch
- D. leaf switch

Answer: D

Explanation:

In Cisco ACI, the pervasive gateway is a distributed gateway architecture that enables all leaf switches to act as Layer 3 gateways for endpoints. This means that the default gateway IP address for a bridge domain (BD) is available on all leaf switches where the BD is deployed. The configuration in the exhibit, showing VLAN information with associated interfaces, indicates that the pervasive gateway is installed on the leaf switch as part of this distributed gateway architecture. This allows endpoints connected to the leaf to communicate with the gateway locally, reducing latency and improving scalability.

NEW QUESTION # 77

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