



300-620^{Q&As}

Implementing Cisco Application Centric Infrastructure (DCACI)

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QUESTION 1

What two actions should be taken to deploy a new Cisco ACI Multi-Pod setup? (Choose two.)

- A. Configure MP-BGP on IPN routers that face the Cisco ACI spines.
- B. Connect all spines to the IPN.
- C. Configure anycast RP for the underlying multicast protocol
- D. Configure the TEP pool of the new pod to be routable across the IPN.
- E. Increase interface MTU for all IPN routers to support VXLAN traffic.

Correct Answer: DE

<https://www.wwwt.com/article/cisco-aci-multi-site-vs-multi-pod>

QUESTION 2

An engineer is in the process of discovering a new Cisco ACI fabric consisting of two spines and four leaf switches. The discovery of leaf 1 has just been completed. Which two nodes are expected to be discovered next? (Choose two.)

- A. leaf 2
- B. leaf 4
- C. spine 1
- D. leaf 3
- E. spine 2

Correct Answer: CE

The APIC is a central point of automated provisioning and management for all the switches that are part of the ACI fabric. A single data center might include multiple ACI fabrics; each data center might have its own APIC cluster and Cisco Nexus 9000 Series switches that are part of the fabric. To ensure that a switch is managed only by a single APIC cluster, each switch must be registered with that specific APIC cluster that manages the fabric.

The APIC discovers new switches that are directly connected to any switch it currently manages. Each APIC instance in the cluster first discovers only the leaf switch to which it is directly connected. After the leaf switch is registered with the APIC, the APIC discovers all spine switches that are directly connected to the leaf switch. As each spine switch is registered, that APIC discovers all the leaf switches that are connected to that spine switch. This cascaded discovery allows the APIC to discover the entire fabric topology in a few simple steps.

QUESTION 3

An engineer needs to avoid loops in the ACI network and needs an ACI leaf switch to error-disable an interface if the interface receives an ACI-generated packet. Which action meets these requirements?



- A. Set Rogue EP Control in the Endpoint Controls Policy.
- B. Uncheck the Loop Protection Action check box in MCP Instance Policy.
- C. Enable the Loop Indication by MCP event in the Error Disabled Recovery Policy.
- D. Change the default administrative state of the global MCP Instance Policy.

Correct Answer: D

MisCabling Protocol (MCP) detects loops from external sources (i.e., misbehaving servers, external networking equipment running STP, etc.) and will err-disable the interface on which ACI receives its own packet. Enabling this feature is a best practice, and it should be enabled globally and on all interfaces, regardless of the end device.

For MCP to be enabled, you need to have it enabled globally and on a per-interface basis. While MCP is enabled on all interfaces by default, it is not turned “on” until you also enable it globally. The global configuration knob for MCP can be enabled by configuring the global settings here: Fabric > Access Policies > Global Policies > MCP Instance Policy default.

<https://www.cisco.com/c/dam/en/us/solutions/collateral/data-center-virtualization/application-centric-infrastructure/aci-guide-using-mcp-mis-cabling-protocol.pdf>

QUESTION 4

Which endpoint learning operation is completed on the ingress leaf switch when traffic is received from a Layer 3 Out?

- A. The source MAC address of the traffic is learned as a local endpoint.
- B. The source MAC address of the traffic is learned as a remote endpoint.
- C. The source IP address of the traffic is learned as a remote endpoint.
- D. The source IP address of the traffic is learned as a local endpoint.

Correct Answer: A

QUESTION 5

A network engineer must allow secure access to the Cisco ACI out-of-band (OOB) management only from external subnets 10.0.0.0/24 and 192.168.20.0/25. Which configuration set accomplishes this goal?

- A. Create a L3Out in the MGMT tenant in OOB VRF. Set External Management Network Instance Profile as a consumer of the OOB contract. Create an External EPG with two subnet entries with the external subnets.
- B. Create a PBR service graph in the MGMT tenant. Create a management Profile with the required OOB EPG. Redirect all traffic going into ACI management to the external firewall. Create two subnet entries under the OOB Bridge domain with the required subnets.
- C. Create an EPG and BD in the MGMT tenant in OOB VRF. Set OOB VRF to provide the contract. Set a new EPG to consume the OOB contract.
- D. Create an OOB contract that allows the required ports. Provide the contract from the OOB EPG. Consume the contract by the OOB External Management Network Instance Profile. Create two subnet entries in the External



Management Network Profile with the required subnets.

Correct Answer: D

Step 1 – Providing the contract Tenant > Tenant mgmt > Node Management EPGs > Out-of-Band EPG default Under the “Provided Out-of-Band Contracts” in the policy window, provide the appropriate contract. (This could be a the default/common contract or a specific contract you have created and modified). Click Submit. Tenant > Tenant mgmt > Node Management EPGs > Out-of-Band EPG default Step 2 – Consuming the contract Tenant > Tenant mgmt > External Management Network Instance Profiles > YourInstanceProfile Consume the same contract that you provided in the previous step. Enter the subnets that are allowed to have access to the APIC. (0.0.0.0/0 will permit all).

<https://www.cisco.com/c/dam/en/us/solutions/collateral/data-center-virtualization/application-centric-infrastructure/aci-guide-configuring-out-of-band-access-for-your-fabric.pdf>

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