

# Cisco Regular 300-620 Update: Implementing Cisco Application Centric Infrastructure - ITexamReview One of 10 Leading Planform



## Implementing Cisco Application Centric Infrastructure v1.0 (300-620)

Exam Description: Implementing Cisco Application Centric Infrastructure v1.0 (DCACI 300-620) is a 90-minute exam that is associated with the CCNP Data Center Certification. This exam tests a candidate's knowledge of Cisco switches in ACI mode including configuration, implementation, and management.

The following topics are general guidelines for the content likely to be included on the exam. However, other related topics may also appear on any specific delivery of the exam. To better reflect the contents of the exam and for clarity purposes, the guidelines below may change at any time without notice.

20%	1.0	ACI Fabric Infrastructure
	1.1	Describe ACI topology and hardware
	1.2	Describe ACI Object Model
	1.3	Utilize faults, event record, and audit log
	1.4	Describe ACI fabric discovery
	1.5	Implement ACI policies
	1.5.a	access
	1.5.b	fabric
	1.6	Implement ACI logical constructs
	1.6.a	tenant
	1.6.b	application profile
	1.6.c	VRF
	1.6.d	bridge domain (unicast routing, Layer 2 unknown hardware proxy, ARP flooding)
	1.6.e	endpoint groups (EPG)
	1.6.f	contracts (filter, provider, consumer, reverse port filter, VRF enforced)
15%	2.0	ACI Packet Forwarding
	2.1	Describe endpoint learning
	2.2	Implement bridge domain configuration knob (unicast routing, Layer 2 unknown hardware proxy, ARP flooding)
20%	3.0	External Network Connectivity
	3.1	Implement Layer 2 out (STP/MCP basics)
	3.2	Implement Layer 3 out (excludes transit routing and VRF route leaking)
15%	4.0	Integrations
	4.1	Implement VMware vCenter DVS integration
	4.2	Describe resolution immediacy in VMM
	4.3	Implement service graph (managed and unmanaged)
20%	5.0	ACI Management
	5.1	Implement out-of-band and in-band
	5.2	Utilize syslog and snmp services

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The Cisco 300-620 online practice test engine that comes with the Implementing Cisco Application Centric Infrastructure (300-620) exam questions from ITexamReview assists you in simulating the real Implementing Cisco Application Centric Infrastructure (300-620) exams. This is excellent for familiarizing yourself with the Implementing Cisco Application Centric Infrastructure and learning what to anticipate on test day. You can also use the Cisco Practice Test (Links to an external site.) engine to monitor your progress and review your answers to see where you need to improve for the Implementing Cisco Application Centric Infrastructure (300-620) exam.

Cisco 300-620 certification exam is designed for IT professionals who want to demonstrate their knowledge and skills in implementing Cisco Application Centric Infrastructure (ACI). Implementing Cisco Application Centric Infrastructure certification is ideal for network engineers, systems administrators, and other professionals who work with data center networks. 300-620 exam covers a range of topics including ACI architecture, policies, automation, and troubleshooting.

Cisco ACI is a software-defined networking solution that provides centralized management of physical and virtual network infrastructure. It is designed to simplify network operations, improve application performance, and enhance security. The Cisco 300-620 Certification Exam validates the skills required to deploy, configure, and troubleshoot Cisco ACI solutions in complex data center environments.

## New 300-620 Exam Test, 300-620 Exam Syllabus

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Cisco ACI is a comprehensive solution that provides a centralized policy-driven management approach for data center networks. It enables organizations to automate network provisioning, simplify network management tasks, and improve application performance. The Cisco 300-620 Exam covers various topics related to Cisco ACI, including policy model, fabric discovery and initialization, application network profiles, endpoint groups, and contracts.

## Cisco Implementing Cisco Application Centric Infrastructure Sample Questions (Q334-Q339):

### NEW QUESTION # 334

Refer to the exhibit. An engineer configures an L3Out but receives the error presented. Which action clears the fault?



The screenshot shows a Cisco APIC error message with the following details:

- ID: 4295457803
- Description: Failed to form relation to MO qosdppol-default of class qosDppPol in context
- Severity: cleared
- Affected Object: uni/tn-Raccoon\_City/out-L3Out\_Demo/lnodep-L3Out\_Demo\_nodeProfile/lifp-L3Out\_Demo\_interfaceProfile/rsingressQosDppPol
- Delegated From:
- Created: 2021-02-05T19:29:08.730+00:00
- Code: F2044
- Type: Config
- Cause: resolution-failed
- Change Set: state (Old: missing-target, New: formed), tDn (Old: , New: uni/tn-common/qosdppol-default)
- Action: modification
- Domain: Infra
- Life Cycle: Retaining
- Count Fault Occurred: 1
- Acknowledgement Status: false

The Cisco logo is visible in the bottom right corner of the screenshot.

- A. Associate a custom QoS class.
- B. Set the QoS policy to Level 3.
- C. Create a custom QoS policy.
- **D. Acknowledge the QoS-related error.**

**Answer: D**

### NEW QUESTION # 335

Which Cisco APIC configuration prevents a remote network that is not configured on the bridge domain from being learned by the fabric?

- A. enable ARP Flooding to BD
- B. enable IP Data-plane Learning
- **C. enable Limit IP Learning to Subnet**
- D. enable Unicast Routing

**Answer: C**

Explanation:

<https://www.cisco.com/c/en/us/solutions/collateral/data-center-virtualization/application-centric-infrastructure/white-paper-c11-739989.html>

### NEW QUESTION # 336

An engineer must deploy Cisco ACI across 10 geographically separated data centers. Which ACI site deployment feature enables

the engineer to control which bridge domains contain Layer 2 flooding?

- **A. Multi-Site**
- B. Stretched Fabric
- C. GOLF
- D. Multi-Pod

**Answer: A**

Explanation:

The Cisco ACI site deployment feature that enables an engineer to control which bridge domains contain Layer 2 flooding across geographically separated data centers is Multi-Site. This feature allows for the extension of Layer 2 and Layer 3 connectivity between different locations with consistent policy enforcement.

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/aci\\_multi-site/sw/2x/fundamentals/Cisco-ACI-Multi-Site-Fundamentals-Guide-211/Cisco-ACI-Multi-Site-Fundamentals-Guide-211\\_chapter\\_011.html#id\\_51188](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/aci_multi-site/sw/2x/fundamentals/Cisco-ACI-Multi-Site-Fundamentals-Guide-211/Cisco-ACI-Multi-Site-Fundamentals-Guide-211_chapter_011.html#id_51188)

### NEW QUESTION # 337

An engineer plans a Cisco ACI firmware upgrade. The ACI fabric consists of three Cisco APIC controllers, two spine switches, and four leaf switches. Two leaf switches have 1-Gb copper ports for bare metal servers, and the other two leaf switches have 10-Gb SFP ports to connect storage.

Which set of actions accomplishes an upgrade with minimal disruptions?

- **A. Upgrade the APIC controllers by selecting the desired firmware and choosing Upgrade Now. Divide the switches into two upgrade groups with one spine, one 1-Gb switch, and one 10-Gb switch per group. Start the firmware upgrade on the first upgrade group and when it finishes, start the second upgrade group.**
- B. Upgrade the APIC controllers by initiating the upgrade process that uses the most recent uploaded firmware. Divide the switches into three upgrade groups: spines, 1-Gb switches, and 10-Gb switches. Start the firmware upgrade on the spine upgrade group and then proceed with the other two groups.
- C. Upgrade the APIC controllers by selecting the desired firmware and choosing Upgrade Now. Divide the switches into two upgrade groups: spines and leaves. Start the firmware upgrade on the spine upgrade group and then proceed with the leaf upgrade group.
- D. Upgrade the APIC controllers as a single group by selecting the firmware and choosing Upgrade Now. Divide the switches into four upgrade groups with one switch per group. Start the firmware upgrade on each upgrade group in succession until all four are complete.

**Answer: A**

### NEW QUESTION # 338

An ACI administrator notices a change in the behavior of the fabric. Which action must be taken to determine if a human intervention introduced the change?

- A. Inspect event records in the APIC UI to see all actions performed by users.
- B. Inspect the output of show command history in the APIC CLI.
- **C. Inspect audit logs in the APIC UI to see all user events.**
- D. Inspect /var/log/audit\_messages on the APIC to see a record of all user actions.

**Answer: C**

### NEW QUESTION # 339

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