New and Changed Information

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The following tables provide an overview of the significant changes to this guide up to this current release. The table does not provide an exhaustive list of all changes made to the guide or of the new features up to this release.

Table 1: New Features and Changed Information for Cisco APIC Release 5.2(4)

Feature	Description	Where Documented
DHCP server preference	When configuring a DHCP server policy, you can now use the **DHCP Server Preference** option to select the administrative preference value for this provider. Using the value in this field, the leaf switch determines whether to route the DHCP relay packets from the client VRF or the server VRF.	Provisioning Core ACI Fabric Services
Support for DHCPv6 Option 79	You can configure bridge domains configured as DHCP relay agents to include DHCPv6 Option 79. When Option 79 is enabled, the leaf switch with the bridge domain configured as the relay agent includes the client's link-layer address through option 79 of the DHCPv6 relay packet.	Provisioning Core ACI Fabric Services

Feature	Description	Where Documented
ssl now an option for the transport protocol for the syslog messages	For releases prior to release 5.2(4), when creating a syslog remote destination, **tcp** and **udp** are the only options for the transport protocol for the syslog messages. In the 5.2(4) release and later, **ssl** is now an option for the transport protocol for syslog messages. This feature enables a Cisco ACI switch (acting as a client) to make a secure, encrypted outbound connection to remote syslog servers (acting as a server) supporting secure connectivity for logging. With authentication and encryption, this feature allows for a secure communication over an insecure network	Management
Support for MCP strict mode	In MCP strict mode, when an MCP-enabled port is up, the link is checked for loops before data traffic is accepted. The **Creating a Mis-cabling Protocol Interface Policy** GUI has been updated to indicate support for strict mode.	Provisioning Core ACI Fabric Services
Electromagnetic interference retrain	The electromagnetic interference (EMI) retrain feature filters any noise on a link due to electromagnetic interference, and retrains the link to avoid a link flap. Enable EMI retrain if your data center environment has a lot of EMI noise.	Electromagnetic Interference Retrain

Table 2: New Features and Changed Information for Cisco APIC Release 5.2(3)

Feature	Description	Where Documented
Rogue/COOP exception list	The rogue/COOP exception list enables you to specify the MAC address of endpoints for which you want to have a higher tolerance for endpoint movement with rogue endpoint control before the endpoints get marked as rogue. Endpoints in the rogue/COOP exception list get marked as rogue only if they move 3000 or more times within 10 minutes. After an endpoint is marked as rogue, the endpoint is kept static to prevent learning. The rogue endpoint is deleted after 30 seconds.	About the Rogue/COOP Exception List

Table 3: New Features and Changed Information for Cisco APIC Release 5.2(1)

Feature	Description	Where Documented
Support for intra-EPG contracts on L3Out EPGs	Intra-EPG contracts are supported on L3Out EPGs. The action can be **permit**, **deny**, or **redirect**.	Guidelines and Limitations for Intra-EPG Contracts

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