



## New and Changed Information

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The following table provides an overview of the significant changes to the organization and features in 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 Behavior in Cisco APIC Release 5.2(4)**

Feature or Change	Description	Where Documented
Dynamic L3Out EPG classification	The Dynamic L3Out EPG Classification (DEC) feature is introduced to enable dynamic changes in pcTag with routing changes.	<a href="#">Routed Connectivity to External Networks</a>
Route filtering and aggregation	Cisco APIC provides option to summarize or filter routes that are advertised in a fabric to reduce the scale requirements of the fabric.	<a href="#">Route Summarization</a>
Support for bidirectional forwarding detection on a secondary IP address	You can now configure bidirectional forwarding detection (BFD) on a secondary IP address.	<a href="#">Configuring Bidirectional Forwarding Detection on a Secondary IP Address Using the GUI</a>

**Table 2: New Features and Changed Behavior in Cisco APIC Release 5.2(3)**

Feature or Change	Description	Where Documented
Support for Layer 3 multicast on an SVI L3Out	Support is available for Layer 3 multicast on an SVI L3Out.	<a href="#">About Layer 3 Multicast on an SVI L3Out</a>

Feature or Change	Description	Where Documented
Support for using different external VLAN encapsulations, where all of the different external encapsulation instances are treated as part of a single Layer 2 domain	Support is now available for using different external VLAN encapsulations, where all of the different external encapsulation instances are treated as part of a single Layer 2 domain.	<a href="#">Support for Multiple Encapsulation for L3Outs With SVI</a>
BGP Underlay for Multi-Pod and Remote Leaf	BGP is available as an alternative to OSPF for the IPN underlay.	<a href="#">About Multi-Pod</a> <a href="#">About Remote Leaf Switches in the ACI Fabric</a>
Multi-Pod Spines Back-to-Back	In some cases, two pods can be interconnected directly ("back-to-back") without using an IPN device.	<a href="#">About Multi-Pod Spines Back-to-Back</a>
Micro BFD	Micro BFD establishes individual BFD sessions on each member link of a port channel for faster failure detection and easier troubleshooting.	<a href="#">Micro BFD</a>

**Table 3: New Features and Changed Behavior in Cisco APIC Release 5.2(1)**

Feature or Change	Description	Where Documented
Remote Leaf Back-to-back Connection	Connect Remote Leaf switch pairs directly to each other ("back-to-back") by fabric links to carry local east-west traffic.	<a href="#">About Remote Leaf Back-to-Back Connection</a>
Site-of-Origin (SoO)	The SoO is a BGP extended community attribute that uniquely identifies the site from which a route is learned in order to prevent routing loops.	<a href="#">Configuring BGP L3Out Using the GUI</a>
Disabling dataplane IP address learning for specific endpoints or subnets	You can now disable dataplane IP address learning for specific endpoints or subnets for more granular control.	<a href="#">Overview of Dataplane IP Address Learning</a>