



## New and Changed Information

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This chapter provides release-specific information for each new and changed feature in the *Cisco Nexus 5000 Series NX-OS Layer 2 Switching Configuration Guide*.

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This chapter provides release-specific information for each new and changed feature in the *Cisco Nexus 5000 Series NX-OS Layer 2 Switching Configuration Guide*.

The latest version of this document is available at the following Cisco website:

[http://www.cisco.com/en/US/products/ps9670/products\\_installation\\_and\\_configuration\\_guides\\_list.html](http://www.cisco.com/en/US/products/ps9670/products_installation_and_configuration_guides_list.html)

To check for additional information about Cisco NX-OS, see the *Cisco Nexus 5000 Series NX-OS Release Notes* available at the following Cisco website:

[http://www.cisco.com/en/US/products/ps9670/prod\\_release\\_notes\\_list.html](http://www.cisco.com/en/US/products/ps9670/prod_release_notes_list.html)

This table summarizes the new and changed features documented in the *Cisco Nexus 5000 Series NX-OS Layer 2 Switching Configuration Guide, Release 5.0(3)N2(1)*, and tells you where they are documented.

**Table 1: New and Changed Layer 2 Switching Features for Cisco NX-OS Release 5.0(3)N2(1)**

Feature	Description	Changed in Release	Where to find it documented...
Flex Link	Added information to configure flex links on a pair of Layer 2 interfaces.	5.0(3)N2(1)	Configuring Flex Links
Cisco IP Phone Support	Added information to configure Cisco IP Phones on the Cisco Nexus 5000 Series switch.	5.0(3)N2(1)	Configuring Cisco IP Phones

Feature	Description	Changed in Release	Where to find it documented...
Suspending Orphan Ports	Added information to suspend a non-virtual port channel (vPC) port when a vPC secondary peer link goes down.	5.0(3)N2(1)	Configuring Virtual Port Channels
Configuring Hash Polynomials	For Cisco Nexus 5500 Platform switches, added information to configure the load balance hash polynomial.	5.0(3)N2(1)	Configuring EtherChannels

This table summarizes the new and changed features documented in the *Cisco Nexus 5000 Series NX-OS Layer 2 Switching Configuration Guide, Release 5.0(3)N1(1)*, and tells you where they are documented.

**Table 2: New and Changed Layer 2 Switching Features for Cisco NX-OS Release 5.0(3)N1(1)**

Feature	Description	Changed in Release	Where to find it documented...
Layer 3 Interfaces	Added information to configure Layer 3 interfaces.	5.0(3)N1(1)	Configuring Ethernet Interfaces
Restore Delay Timer	Added information to configure a restore time delay until a peer adjacency forms and the VLAN interfaces are back up.	5.0(3)N1(1)	Configuring Virtual Port Channels
IGMP Snooping Parameters	Added information to configure a static connection to a vPC peer link.	5.0(3)N1(1)	Configuring IGMP Snooping
Binding a VRF to a vPC	Added configuration information to bind a VRF to a vPC.	5.0(3)N1(1)	Configuring Virtual Port Channels
VLAN Interfaces Remain Up When a vPC Peer Link Fails	Added configuration information to exclude specified VLANs from shutting down when a vPC peer link fails.	5.0(3)N1(1)	Configuring Virtual Port Channels

Feature	Description	Changed in Release	Where to find it documented...
Enabling Layer 3 Forwarding to the Gateway MAC Address of the vPC	Added configuration information to enable Layer 3 forwarding if the destination MAC of the incoming packets is the MAC of its vPC peer switch.	5.0(3)N1(1)	Configuring Virtual Port Channels
Creating a specific VRF for vPC Keepalive Messages	Added configuration information to create a VRF for vPC keepalive packets.	5.0(3)N1(1)	Configuring Virtual Port Channels
Configuring a VRF Name	Added information to create a VRF name.	5.0(3)N1(1)	Configuring Virtual Port Channels
Fabric Extender Host Interfaces	Added information about host interface connections.	5.0(3)N1(1)	Configuring Fabric Extenders

This table summarizes the new and changed features documented in the *Cisco Nexus 5000 Series NX-OS Layer 2 Switching Configuration Guide, Release 5.0(2)N2(1)*, and tells you where they are documented.

**Table 3: New and Changed Layer 2 Switching Features for Cisco NX-OS Release 5.0(2)N2(1)**

Feature	Description	Changed in Release	Where to find it documented...
VTP client/server modes	Added configuration information about support for VTP client/server modes for VTP version 1 and version 2.	5.0(2)N2(1)	Configuring VTP
Graceful Type-1 Check	Added information describing consistency check changes and the status of VLANs on the primary and secondary switches in a vPC topology.	5.0(2)N2(1)	Configuring Virtual Port Channels
Per-VLAN Consistency Check	Added information describing consistency checks on a per-VLAN basis.	5.0(2)N2(1)	Configuring Virtual Port Channels

Feature	Description	Changed in Release	Where to find it documented...
vPC Auto-Recovery	Added information about the auto-recovery feature that re-enables vPC links in various scenarios.	5.0(2)N2(1)	Configuring Virtual Port Channels
channel-group force command option	Added configuration information to force a LAN port to a channel group.	5.0(2)N2(1)	Configuring EtherChannel
Fabric Extenders	Added information to configure Fabric Extenders.	5.0(2)N2(1)	Configuring Fabric Extenders

This table summarizes the new and changed features documented in the *Cisco Nexus 5000 Series NX-OS Layer 2 Switching Configuration Guide, Release 5.0(2)N1(1)*, and tells you where they are documented.

**Table 4: New and Changed Layer 2 Switching Features for Cisco NX-OS Release 5.0(2)N1(1)**

Feature	Description	Changed in Release	Where to find it documented...
Switch Profiles	Added configuration information about switch profiles.	5.0(2)N1(1)	Configuring Switch Profiles
Port Profiles	Added configuration information about Port Profiles	5.0(2)N1(1)	Configuring Ethernet Interfaces
Pre-Provisioning	Added configuration information about pre-provisioning	5.0(2)N1(1)	Configuring Ethernet Interfaces
vPC Restore on Reload	Added configuration information to restore vPC services when a peer fails to come online.	5.0(2)N1(1)	Configuring Virtual Port Channels
Fabric Extenders	Added information to configure Fabric Extenders.	5.0(2)N1(1)	Configuring Fabric Extenders

This table summarizes the new and changed features documented in the *Cisco Nexus 5000 Series NX-OS Layer 2 Switching Configuration Guide, Release 4.1(3)N2(1)*, and tells you where they are documented.

**Table 5: New and Changed Layer 2 Switching Features for Cisco NX-OS Release 4.1(3)N2(1)**

Feature	Description	Changed in Release	Where Documented
Disabling the vPC Peer Link Compatibility Check	Allows you to modify the default vPC behavior when a peer link is down.	4.1(3)N2(1)	Configuring vPC

### Documentation Organization

As of Cisco NX-OS Release 4.1(3)N2(1), the Nexus 5000 Series configuration information is available in new feature-specific configuration guides for the following information:

- System Management
- Layer 2 Switching
- SAN Switching
- Fibre Channel over Ethernet
- Security
- Quality of Service

The information in these new guides previously existed in the *Cisco Nexus 5000 Series NX-OS Configuration Guide* which remains available on Cisco.com and should be used for all software releases prior to Cisco Nexus 5000 NX-OS Software Rel 4.1(3). Each new configuration guide addresses the features that are introduced in or are available in a particular release. Select and view the configuration guide that pertains to the software installed in your switch.

The information in the new *Cisco Nexus 5000 Series NX-OS Layer 2 Switching Configuration Guide* previously existed in Part 2: LAN Switching of the *Cisco Nexus 5000 Series CLI Configuration Guide*.

For a complete list of Nexus 5000 Series document titles, see the list of Related Documentation in the "Preface."

