New and Changed Information

This chapter provides release-specific information for each new and changed feature in this release of the *Cisco Nexus 9000 Series NX-OS Programmability Guide, 9.2(x)*.

New and Changed Information

This table summarizes the new and changed features for the *Cisco Nexus 9000 Series NX-OS Programmability Guide, Release 9.2(x)* and where they are documented.

Table 1: New and Changed Features

Feature	Description	Changed in Release	Where Documented
	Changed the document title from 9.x to 9.2(x)		Title page
Support for XML and JSON output	Existing support for converting Cisco NX-OS **show** commands to XML and JSON format has been extended to Cisco Nexus 9504 and Cisco 9508 switches with -R line cards.	9.2(3)	NX-API CLI
NETCONF Support for NX-OS CLI Commands	Support for converting NX-OS CLI commands to Network Configuration format	9.2(2)	Converting CLI Commands to Network Configuration Format
XML Management Interface	Support for managing the Cisco Nexus 9000 switches with an XML-based tool through the XML-based Network Configuration Protocol (NETCONF) is documented.	9.2(2)	XML Management Interface

Feature	Description	Changed in Release	Where Documented
OpenConfig YANG	Support for OpenConfig through the YANG model has been changed to a more logical name and location in this document.	9.2(2)	OpenConfig YANG
Perl modules	Support for the Perl modules has been added for the Cisco Nexus 9504 and 9508 switches with -R line cards.	9.2(2)	Overview
Ability to automatically synchronize files from active bootflash to standby bootflash	Certain files and directories on the active supervisor module, or active bootflash (`/bootflash`), can be automatically synchronized to the standby supervisor module, or standby bootflash.	9.2(2)	Synchronize Files from Active Bootflash to Standby Bootflash
Netdevice property changes	Starting with the NX-OS 9.2(2) release, netdevices representing the front channel port interfaces are always in the ADMIN UP state. The final, effective state is determined by the link carrier state.	9.2(2)	Kernel Stack
Updates to NX-API Developer Sandbox	Various enhancements have been added to the NX-API Developer Sandbox.	9.2(2)	NX-API Developer Sandbox
Perl modules	In order to support more applications, several Perl modules have been added on the Cisco Nexus platform.	9.2(1)	Overview
Docker containers within Cisco NX-OS	Added support for using Docker within Cisco NX-OS on a switch.	9.2(1)	Using Docker with Cisco NX-OS
Ansible 2.5	Added support for Ansible 2.5.	9.2(1)	Ansible
Puppet support of EVPN Multisite Types and TRM Types	Added support for EVPN Multisite Types and TRM Types in Puppet.	9.2(1)	Puppet Agent
Streaming of YANG models as part of telemetry	Added support for streaming of YANG models as part of telemetry.	9.2(1)	Model-Driven Telemetry

Feature	Description	Changed in Release	Where Documented
Streaming telemetry to an IPv6 destination	Added support for streaming telemetry to an IPv6 destination.	9.2(1)	Model-Driven Telemetry
gRPC chunking as part of telemetry	Added support for the gRPC chunking as part of telemetry.	9.2(1)	Model-Driven Telemetry