



# Platform Support for Programmability Features

This chapter defines platform support for features that are not supported across the entire suite of Cisco Nexus platforms.

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## Platform Support for Programmability Features

The following tables list the supported platforms for each feature and the release in which they were first introduced. See the Release Notes for details about the platforms supported in the initial product release.

### Barefoot Shell

Return to [Barefoot Shell](#).

Feature	Supported Platforms or Line Cards	First Supported Release	Platform Exceptions
Barefoot Shell	Cisco Nexus 3464C switch  Cisco Nexus 34180YC switch	Cisco NX-OS 9.2(3)	

### Bash Shell

Return to [About Bash](#).

Feature	Supported Platforms or Line Cards	First Supported Release	Platform Exceptions
Consent token for bash access	Cisco Nexus 9000 Series switches	Cisco NX-OS 10.3(2)F	Cisco Nexus 9808 platform switch
DME Modularity	Cisco Nexus 9800 Series switches	Cisco NX-OS 10.3(1)F	
DME Modularity	Cisco Nexus 9000 Series switches	Cisco NX-OS 9.3(1)	

**Chef Client**

Return to [Using Chef Client with Cisco NX-OS](#).

Feature	Supported Platforms or Line Cards	First Supported Release	Platform Exceptions
Chef Agent	Cisco Nexus 9300 platform switches Cisco Nexus 9500 platform switches and line cards	Cisco NX-OS 7.0(3)I2(5)	N9K-C92348GC

**Docker**

Return to [Using Docker with Cisco NX-OS](#).

Feature	Supported Platforms or Line Cards	First Supported Release	Platform Exceptions
Docker Container support within NX-OS	Cisco Nexus 9000 Series switches with at least 8 GB of system RAM	Cisco NX-OS 9.2(1)	N9K-C92348GC

**gNMI - gRPC Network Management Interface**

Return to [gNMI-gRPC Network Management Interface](#).

Feature	Supported Platforms or Line Cards	First Supported Release	Platform Exceptions
gNMI Get/Set	Cisco Nexus 9000 Series switches	Cisco NX-OS 9.3(1)	N9K-C92348GC

**Hardware Telemetry**

Return to [Hardware Telemetry](#).

Feature	Supported Platforms or Line Cards	First Supported Release	Platform Exceptions
SSX Counters	Cisco Nexus 9332C and Cisco Nexus 9364C switches	9.3(3)	
Flow Table Analytics	Cisco Nexus 9300-FX and Cisco Nexus 9300-FX2 platform switches Cisco Nexus 9500 platform switches with 9700 -EX/FX line cards	9.3(1)	

Feature	Supported Platforms or Line Cards	First Supported Release	Platform Exceptions
Flow Table Events (FTE)	Cisco Nexus 9300-FX and Cisco Nexus 9300-FX2 platform switches	Cisco NX-OS 9.2(1)	
Flow monitor for VRF filtering	Cisco Nexus 9300-FX/FX2 platform switches and Cisco Nexus 9500 platform switches with 9700-FX line cards	Cisco NX-OS Release 9.3(3)	

### Inband Telemetry

Return to *Inband Network Telemetry*.

Feature	Supported Platforms or Line Cards	First Supported Release	Platform Exceptions
Packet Postcards, support for flow, packet drop, and queue congestion events	Cisco Nexus 3464C switch Cisco Nexus 34180YC switch	Cisco NX-OS 9.2(3)	
Packet Postcards, support for the INT source and sink roles	Cisco Nexus 3464C switch	Cisco NX-OS 9.2(3)	

### Model-Driven Telemetry

Return to *Model Driven Telemetry*.

Feature	Supported Platforms or Line Cards	First Supported Release	Platform Exceptions
Alias Option for Sensor Path	Cisco Nexus 9200, 9300-EX, 9300-FX/FX2/FXP platform switches Cisco Nexus 9500 platform switches with EX/FX line cards	Cisco NX-OS 9.3(5)	N9K-C92348GC
Software Telemetry (dial-out)	Cisco Nexus 9000 platform switches	Cisco NX-OS 7.0(3)I5(1)	N9K-92348GC
Software Telemetry	Cisco Nexus 9000 platform switches	Cisco NX-OS 10.3(1)F	

**NETCONF Agent**

Return to [NETCONF Agent](#).

Feature	Supported Platforms or Line Cards	First Supported Release	Platform Exceptions
NETCONF Support	Cisco Nexus 9800 platform switches	Cisco NX-OS 10.3(1)F	
NETCONF Support	Cisco Nexus 9000 platform switches		N9K-C92348GC

**NX-API REST**

Return to [NX-API REST](#).

Feature	Supported Platforms or Line Cards	First Supported Release	Platform Exceptions
DME Config Replace	Cisco Nexus 9000 platform switches	Cisco NX-OS 9.3(1)	N9K-C92348GC

**Python API**

Return to [Python API](#).

Feature	Supported Platforms or Line Cards	First Supported Release	Platform Exceptions
Python 3	Cisco Nexus 9000 Series switches	Cisco NX-OS 9.3(5)	

**Puppet Agent**

Return to [Puppet Agent](#).

Feature	Supported Platforms or Line Cards	First Supported Release	Platform Exceptions
Puppet Agent	Cisco Nexus 9300 and 9500 platform switches	Cisco NX-OS 7.0(3)I2(5)	N9K-C92348GC

**TCL Scripting**

Return to [Scripting with Tcl](#).

Feature	Supported Platforms or Line Cards	First Supported Release	Platform Exceptions
TCL Shell	Cisco Nexus 9000 Series switches	-	