



# Platform Support for System Management Features

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

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## Platform Support for System Management 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.

For more information about the Cisco Nexus 9000 switches that support various features spanning from release 7.0(3)I7(1) to the current release, refer to [Nexus Switch Platform Support Matrix](#).

### CDP

For more information about the Cisco Discovery Protocol, see [Configuring CDP](#).

Feature	Supported Platform(s) or Line Cards	First Supported Release
CDP support	Cisco Nexus 9800 platform switches	Cisco NX-OS Release 10.3(1)F

### Embedded Event Manager

For more information about the Embedded Event Manager, see [Configuring the Embedded Event Manager](#).

Feature	Supported Platform(s) or Line Cards	First Supported Release
Logging 2.0: Auto-collect default enable for all components	All Cisco Nexus 9000 platform switches	Cisco NX-OS Release 10.3(1)F
Logging 2.0: Auto-Collect Adoption Improvement	All Cisco Nexus 9000 platform switches	Cisco NX-OS Release 10.2(2)F

Feature	Supported Platform(s) or Line Cards	First Supported Release
Event Log Auto-Collection and Backup	<ul style="list-style-type: none"> <li>• Cisco Nexus 9200 platform switches</li> <li>• Cisco Nexus 9300 platform switches</li> <li>• Cisco Nexus 9300-EX/FX/FX2/FX3/GX platform switches</li> <li>• Cisco Nexus 9500 platform switches with all supported line cards</li> </ul>	Cisco NX-OS Release 9.3(5)

## ERSPAN

For more information about ERSPAN, see [Configuring ERSPAN](#).

Feature	Supported Platform(s) or Line Cards	First Supported Release
ERSPAN Support	Cisco Nexus 9800 platform switches.	10.3(1)F
IPv6 ERSPAN Destination support	Cisco Nexus 9300-GX2, 9300-GX, 9300-FX2, 9300-EX, 9300-FX3, 9300-FX3S, and 9300-FX3P platform switches and N9K-X9716D-GX, N9K-X9736C-EX, N9K-X9732C-EX(X86_64 Atom), N9K-X9732C-EXM, N9K-X97160YC-EX, and N9K-X9736C-FX line cards.	10.2(3)F
ERSPAN over IPv6	Cisco Nexus 9300-GX2, 9300-GX, 9300-FX2, 9300-EX, 9300-FX3, 9300-FX3S, and 9300-FX3P platform switches and N9K-X9716D-GX, N9K-X9736C-EX, N9K-X9732C-EX(X86_64 Atom), N9K-X9732C-EXM, N9K-X97160YC-EX, and N9K-X9736C-FX line cards.	10.2(1)F
ERSPAN	Cisco Nexus N9K-X9624D-R2 Line Card	Cisco NX-OS Release 10.1(2)
ERSPAN Destination	Cisco Nexus 9300-GX platform switches	Cisco NX-OS Release 9.3(5)
ERSPAN Type III Header	Cisco Nexus 9300-GX platform switches	Cisco NX-OS Release 9.3(5)

## ERSPAN Header Stripping

For more information about ERSPAN header stripping, see the ERSPAN Header Stripping for Nexus Data Broker section.

Feature	Supported Platform(s) or Line Cards	First Supported Release
NDB: Optimise ERSPAN implementation	Added support for ERSPAN over IPv6 on Cisco Nexus 9300-GX2, 9300-GX, 9300-FX2, 9300-EX, 9300-FX3, 9300-FX3S, and 9300-FX3P platform switches and N9K-X9716D-GX, N9K-X9736C-EX, N9K-X9732C-EX(X86_64 Atom), N9K-X9732C-EXM, N9K-X97160YC-EX, and N9K-X9736C-FX line cards.	10.2(1)F

### Frequency Synchronization (SyncE)

For more information about Frequency Synchronization, see [Configuring Frequency Synchronization](#).

Feature	Supported Platform(s) or Line Cards	First Supported Release
Frequency Synchronization (SyncE)	Cisco Nexus 93180YC-FX3S	9.3(5)

### Graceful Insertion and Removal

For more information about graceful insertion and removal, see [Configuring Graceful Insertion and Removal](#).

Feature	Supported Platform(s) or Line Cards	First Supported Release
Support enhanced maintenance mode	All Cisco Nexus 9000 series platform switches	10.3(1)F

### LLDP

For more information about LLDP, see [Configuring LLDP](#).

Feature	Supported Platform(s) or Line Cards	First Supported Release
Additional LLDP TLVs for ecosystem integrations	All Cisco Nexus 9000 series platform switches	Cisco NX-OS Release 10.3(2)F
LLDP support: Multi Neighbor and Port-channel	Cisco Nexus 9808 platform switches	Cisco NX-OS Release 10.3(1)F
Correctly advertise LLDP chassis-ID	All Cisco Nexus 9000 series platform switches	Cisco NX-OS Release 10.2(3)F
LLDP Egress Queuing TLV	Cisco Nexus 9200-series platform switches Cisco Nexus 9300-EX and 9300-FX platform switches	Cisco NX-OS Release 10.2(3)F
LLDP Multi-Neighbor Support	Cisco Nexus C93180YC-FX3S Cisco Nexus C93180YC-FX3 Cisco Nexus C93108TC-FX3P	Cisco NX-OS Release 10.1(1)

Feature	Supported Platform(s) or Line Cards	First Supported Release
LLDP Multi-Neighbor Support	Cisco Nexus 9200-series platform switches Cisco Nexus 9300-EX/FX/FX2/GX platform switches Cisco Nexus 9500 platform switches with -EX and -FX line cards Cisco Nexus 9504 and 9508 platform switches with the following line cards: <ul style="list-style-type: none"> <li>• Cisco Nexus 9636C-R</li> <li>• Cisco Nexus 9636C-RX</li> <li>• Cisco Nexus 9636Q-R</li> <li>• Cisco Nexus 96136YC-R</li> </ul>	Cisco NX-OS Release 9.3(5)
LLDP Support on Port-Channel Interfaces	Cisco Nexus 9200-series platform switches Cisco Nexus 9300-EX/FX/FX2/GX platform switches Cisco Nexus 9500 platform switches with -EX and -FX line cards Cisco Nexus 9504 and 9508 platform switches with the following line cards: <ul style="list-style-type: none"> <li>• Cisco Nexus 9636C-R</li> <li>• Cisco Nexus 9636C-RX</li> <li>• Cisco Nexus 9636Q-R</li> <li>• Cisco Nexus 96136YC-R</li> </ul>	Cisco NX-OS Release 9.3(5)

### Mixed Mode

For more information about Flow visibility in Nexus Dashboard Insights and NetFlow (mixed mode), see [Configuring Mixed Mode](#).

Feature	Supported Platform(s) or Line Cards	First Supported Release
Flow visibility in Nexus Dashboard Insights and NetFlow (Mixed mode)	All Cisco Nexus 9000 series platform switches, except 9300-EX TORs and 9300-EX LCs.	Cisco NX-OS Release 10.3(1)F

### MPLS Header Stripping for Nexus Data Broker

For more information about MPLS Header Stripping, see [MPLS Header Stripping for Nexus Data Broker](#)

Feature	Supported Platform(s) or Line Cards	First Supported Release
VPLS Stripping	Cisco Nexus 9300-FX, 9300-FX2, 9300-FX3, 9300-GX, and 9300-GX2 TORs.	Cisco NX-OS Release 10.3(2)F

Feature	Supported Platform(s) or Line Cards	First Supported Release
NDB MPLS Header Stripping	Cisco Nexus 9300-EX, 9300-FX, 9300-FX2, 9300-FX3, 9300-GX, and C9332D-GX2B platforms.	Cisco NX-OS Release 10.2(3)F

### NDB GRE Header Stripping

For more information about NDB GRE Header Stripping, see [GRE Header Stripping for Nexus Data Broker](#).

Feature	Supported Platform(s) or Line Cards	First Supported Release
NDB GRE Header Stripping	Cisco Nexus 9300-EX, 9300-FX, 9300-FX2, 9300-FX3, 9300-GX, and N9K-C9332D-GX2B platforms.	Cisco NX-OS Release 10.2(2)F

### NetFlow

For more information about NetFlow, see [Configuring NetFlow](#).

Feature	Supported Platform(s) or Line Cards	First Supported Release
L3 NetFlow export on L2 physical interface	Cisco Nexus 9300-EX, 9300-FX, 9300-FX2, 9300-FX3, 9300-GX, and 9300-GX2 platform switches, and on 9500-EX LC and 9500-FX LC.	Cisco NX-OS Release 10.2(1)F
NetFlow	Cisco Nexus C93180YC-FX3S Cisco Nexus C93108TC-FX3P	Cisco NX-OS Release 9.3(5)
NetFlow	<ul style="list-style-type: none"> <li>Cisco Nexus 9300-GX platform switches</li> </ul>	Cisco NX-OS Release 9.3(3)
NetFlow	<ul style="list-style-type: none"> <li>Cisco Nexus 92348GC-X</li> <li>Cisco Nexus 9500 platform switches with Cisco Nexus 9700-EX line cards and FM-E fabric modules.</li> <li>Cisco Nexus 93360YC-FX2</li> </ul>	Cisco NX-OS Release 9.3(1)
NetFlow	<ul style="list-style-type: none"> <li>Cisco Nexus 9300-EX and 9300-FX platform switches</li> <li>Cisco Nexus N9K-C9336C-FX2 platform switches</li> <li>Cisco Nexus N9K-C93240YC-FX2 platform switches</li> </ul>	
NetFlow	<ul style="list-style-type: none"> <li>Cisco Nexus 9500 platform switches with Cisco Nexus 9700-EX line cards</li> </ul>	Cisco NX-OS Release 9.2(2)

### Online Diagnostics

For more information about online diagnostics, see [Configuring Online Diagnostics](#).

Feature	Supported Platform(s) or Line Cards	First Supported Release
Generic Online Diagnostics (GOLD)	Cisco Nexus 9800 platform switches	10.3(1)F
Bootup Diagnostic MacSecPortLoopback Test	Cisco Nexus 9736C-FX line card Cisco Nexus 97160TC-FX line card	9.3(5)

### Precision Time Protocol

For more information about Precision Time Protocol (PTP), see [Configuring PTP](#).

Feature	Supported Platform(s) or Line Cards	First Supported Release
PTP Support of up to 2000 secondary devices per switch	Cisco Nexus 9000-FX2 and 9000-FX3 platform switches	10.2(3)F
PTPv1 and v2 co-existence	Cisco Nexus 9300-GX, 9300-GX2, and 9300-FX3 platform switches	10.2(2)F
PTP with jitter fix for 1G ports	Cisco N9K-C93108TC-FX3P platform switches	10.2(2)F
PTP: IPv6 UDP Unicast Transport	Cisco Nexus 9300-FX, 9300-FX2, 9300-GX, and 9300-GX2 platform switches	10.2(2)F
PTP Unicast Negotiation	Cisco Nexus 9300-EX, 9300-FX, 9300-FX2, 9300-GX, and 9300-GX2 platform switches	10.2(2)F
PTP: IPv6 UDP Unicast Transport	Cisco Nexus 9300-FX3 platform switches	10.2(1)F
PTP Unicast Negotiation	Cisco Nexus 9300-FX3 platform switches	10.2(1)F
PTPv1 Forwarding	Cisco Nexus 9300-FX/FX2 platform switches Cisco Nexus 9348GC-FXP	9.3(6)
Telecom Profile G.8275.1 and Telecom Profile G.8273.2	Cisco Nexus 93180YC-FX3S	9.3(5)

Feature	Supported Platform(s) or Line Cards	First Supported Release
PTP Notifications	Cisco Nexus 92348GC-X Cisco Nexus 93108TC-EX Cisco Nexus 93108TC-FX Cisco Nexus 9316D-GX Cisco Nexus 93180LC-EX Cisco Nexus 93180YC-EX Cisco Nexus 93180YC-FX Cisco Nexus 93180YC-FX3S Cisco Nexus 93216TC-FX2 Cisco Nexus 93240YC-FX2 Cisco Nexus 9332C Cisco Nexus 93360YC-FX2 Cisco Nexus 9336C-FX2 Cisco Nexus 9348GC-FXP Cisco Nexus 93600CD-GX Cisco Nexus 9364C Cisco Nexus 9364C-GX Cisco Nexus 9504, 9508, 9516 platform switches with the following line cards: <ul style="list-style-type: none"> <li>• Cisco Nexus 97160YC-EX</li> <li>• Cisco Nexus 9732C-EX</li> <li>• Cisco Nexus 9732C-FX</li> <li>• Cisco Nexus 9736C-EX</li> <li>• Cisco Nexus 9736C-FX</li> <li>• Cisco Nexus 9788TC-FX</li> </ul> Cisco Nexus 9504 and 9508 platform switches with the following line cards: <ul style="list-style-type: none"> <li>• Cisco Nexus 9636C-R</li> <li>• Cisco Nexus 9636C-RX</li> <li>• Cisco Nexus 9636Q-R</li> </ul>	9.3(5)
Timestamp Tagging (TTAG)	Cisco Nexus 9300-FX3 and -GX platform switches	Cisco NX-OS Release 9.3(5)

Feature	Supported Platform(s) or Line Cards	First Supported Release
Timestamp Tagging (TTAG)	Cisco Nexus 9300-FX platform switches	Cisco NX-OS Release 7.0(3)I7(3)
Timestamp Tagging (TTAG)	Cisco Nexus 9300-FX2 platform switches	Cisco NX-OS Release 9.3(3)
Timestamp Tagging (TTAG)	Cisco Nexus 9500 platform switches with -EX or -FX line cards	
Timestamp Tagging (TTAG)	Cisco Nexus 9300-EX platform switches	Cisco NX-OS Release 7.0(3)I6(1)
Timestamp Tagging (TTAG)	Cisco Nexus 9364C	Cisco NX-OS Release 7.0(3)I7(2)
Timestamp Tagging (TTAG)	Cisco Nexus 9332C	Cisco NX-OS Release 9.2(3)
Timestamp Tagging (TTAG)	Cisco Nexus 9200 platform switches	Cisco NX-OS Release 7.0(3)I6(1)
PTP	Cisco Nexus 9300-GX platform switches	Cisco NX-OS Release 9.3(5)
PTP	Cisco Nexus 93360YC-FX2 Cisco Nexus 93216TC-FX2	Cisco NX-OS Release 9.3(3)
PTP	Cisco Nexus 9504-FM-R platform switches	Cisco NX-OS Release 9.2(3)

### Replace

For more information about configuration replace, see [Performing Configuration Replace](#).

Feature	Supported Platform(s) or Line Cards	First Supported Release
Config-replace - collect logs and reload when rollback 1st and 2nd try fails	All Cisco Nexus 9000 series switches	Cisco NX-OS Release 9.3(7)

### Secure Erase

For more information about configuration secure erase, see [Configuring Secure Erase](#).

Feature	Supported Platform(s) or Line Cards	First Supported Release
Configuring Secure Erase	Cisco Nexus 9000 FX/FX3/GX platform switches Cisco Nexus 9000 R2 Line cards	Cisco NX-OS Release 10.2(2)F



**sFlow**

For more information about sFlow, see [Configuring sFlow](#).

Feature	Supported Platform(s) or Line Cards	First Supported Release
sFlow supports IPv6 destination/collector	Cisco Nexus 93240YC-FX2, 9336C-FX2, and 9364D-GX2A platform switches, as well as Cisco N9K-C9516 and N9K-C9508 switches with N9K-X9732C-FX and N9K-X9736C-FX line cards	Cisco NX-OS Release 10.3(1)F
sFlow support	Cisco Nexus 9808 platform switches	Cisco NX-OS Release 10.3(1)F
sFlow flow-cache size increase	Cisco Nexus N9K-C93600CD-GX, N9K-C93240YC-FX2, N9K-C93180YC-EX, N9K-C93180YC-FX, N9K-C93180YC-FX3S, N9K-93600CD-GX, and N9K-X9716D-GX platform switches.	Cisco NX-OS Release 10.2(3)F
sFlow	Cisco Nexus N9K-X9624D-R2 Line Card	Cisco NX-OS Release 10.1(2)
sFlow	Cisco Nexus 92348GC-X	Cisco NX-OS Release 9.3(1)
sFlow	Cisco 9500 platform switches with the Cisco Nexus 9736C-FX line card	Cisco NX-OS Release 7.0(3)I7(2)
sFlow	Cisco 9500 platform switches with Cisco Nexus 9788TC-FX or 9732C-FX line cards	Cisco NX-OS Release 7.0(3)I7(3)

**Smart Call Home**

For more information about Smart Call Home, see [Configuring Smart Call Home](#).

Feature	Supported Platform(s) or Line Cards	First Supported Release
Authenticated SMTP Support From NX-OS for Smart Call Home	Cisco Nexus 9000 Series platform switches	Cisco NX-OS Release 10.2(3)F

**SPAN**

For more information about SPAN, see [Configuring SPAN](#).

Feature	Supported Platform(s) or Line Cards	First Supported Release
SPAN support	Cisco Nexus 9808 platform switches	Cisco NX-OS Release 10.3(1)F
SPAN-to-CPU ACL filters	Cisco Nexus N9K-X9624D-R2 Line Card	Cisco NX-OS Release 10.2(3)F
FC Span for NPV and SAN Switching Modes	N9K-C93180YC-FX N9K-C9336C-FX2-E N9K-C93360YC-FX2	Cisco NX-OS Release 10.2(3)F

Feature	Supported Platform(s) or Line Cards	First Supported Release
SPAN-to-CPU	Cisco Nexus platform switches with the following: N9K-X9636C-R N9K-X9636Q-R N9K-X9636C-RX N9K-X96136YC-R	Cisco NX-OS Release 10.2(2)F
SPAN	Cisco Nexus N9K-X9624D-R2 Line Card	Cisco NX-OS Release 10.1(2)
VLAN Tx SPAN	Cisco Nexus 9200 platform switches, Cisco Nexus 9300-EX platform switches, Cisco Nexus 9300-FX platform switches, Cisco 9300-FX2 platform switches, and Cisco Nexus 9300-GX platform switches  Cisco Nexus 9500 platform switches with the following line cards: <ul style="list-style-type: none"> <li>• Cisco Nexus 97160YC-EX</li> <li>• Cisco Nexus 9732C-EX</li> <li>• Cisco Nexus 9732C-FX</li> <li>• Cisco Nexus 9736C-EX</li> <li>• Cisco Nexus 9736C-FX</li> <li>• Cisco Nexus 9736Q-FX</li> <li>• Cisco Nexus 9788TC-FX</li> </ul>	

### Switch Profiles

For more information about switch profiles, see [Configuring Switch Profiles](#).

Feature	Supported Platform(s) or Line Cards	First Supported Release
Switch Profiles	Cisco Nexus 9300 platform switches	9.3(3)

### System Message Logging

For more information about switch profiles, see [Configuring System Message Logging](#).

Feature	Supported Platform(s) or Line Cards	First Supported Release
Persistent Logging	<ul style="list-style-type: none"> <li>• Cisco Nexus 9200 platform switches</li> <li>• Cisco Nexus 9300 platform switches</li> <li>• Cisco Nexus 9300-EX/FX/FX2/FX3/GX platform switches</li> <li>• Cisco Nexus 9500 platform switches with all supported line cards</li> </ul>	9.3(5)
Repeated Syslog Message Format	<ul style="list-style-type: none"> <li>• Cisco Nexus 9200 platform switches</li> <li>• Cisco Nexus 9300 platform switches</li> <li>• Cisco Nexus 9300-EX/FX/FX2/FX3/GX platform switches</li> <li>• Cisco Nexus 9500 platform switches with all supported line cards</li> </ul>	9.3(5)

### TAP Aggregation

For more information about TAP aggregation, see [Configuring TAP Aggregation and MPLS Stripping](#).

Feature	Supported Platform(s) or Line Cards	First Supported Release
EoMPLS Label Stripping	Cisco Nexus 9300-EX platform switches	10.2(2)F
NDB license - tap-agg	All Cisco Nexus 9000 series switches	10.2(1)F
TAP Aggregation and MPLS Stripping	<ul style="list-style-type: none"> <li>• Cisco Nexus 9500 platform switches, including the Cisco Nexus 9700-EX and Cisco Nexus 9700-FX line cards</li> <li>• Cisco Nexus 9200 platform switches</li> <li>• Cisco Nexus 9300 platform switches</li> </ul>	Cisco NX-OS Release 9.2(1)

### Terminal Lock for VSH Sessions

For more information about Terminal Lock for VSH Sessions, see [Terminal Lock for VSH Sessions](#).

Feature	Supported Platform(s) or Line Cards	First Supported Release
Terminal lock for VSH Sessions	All Cisco Nexus 3000 and 9000 Series platforms.	Cisco NX-OS Release 10.2(2)F

