

Addendum: Additional VNE Driver Support for Cisco Prime Network 3.8 and 3.9

Date: October 31, 2013

This document contains information about new or enhanced Virtual Network Elements (VNE) drivers that became available after Cisco Prime Network 3.8 and 3.9 were released.

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Obtaining the New and Enhanced Device Drivers

New and enhanced VNE support is be provided through Device Packages (DPs) and service or point patches, as they become available. To obtain this additional support, do the following:

- For Device Packages (DPs), log into Cisco.com and go to the [Cisco Prime Network Software Download site](#).
- For Point Patches and Service Patches, contact your Cisco representative.

Once you download the new support, it can be installed on Cisco Prime Network 3.8. The downloadable package provides new and enhanced device support for multiple device families (as described in this document or in the release note or readme that accompanies the download).

Notes:

- Prime Network 3.8 DPs cannot be installed on all Cisco ANA releases.
- Be sure to read the accompanying Readme file and installation instructions that are available from the download site.
- Device Package release DP 1206 is compatible with 3.9.0 and 3.8 PP05, Please refer Readme of the device package for dependency on PP/SP.
- Device Package DP 1206 is not supported on Cisco Prime Network 3.8.0.1
- To get the IOS XE to IOS equivalent software version mapping, please refer to [Appendix A](#)

Are All Cisco ANA 3.7.x DPs Included in Cisco Prime Network 3.8?

The base release of Cisco Prime Network 3.8 contains all of the support provided up to and including Cisco ANA 3.7.2/3.7.3 DP 7.0.

If you have a Cisco ANA 3.7.2 or 3.7.3 installation and have installed DP 8.0 or later, and you decide to upgrade to Cisco Prime network 3.8, you should install the latest DP for Prime Network 3.8. (As a general rule, to get the latest support and bug fixes, always install the latest Device Package that is available on Cisco.com.)

Which Jar File is a Device Using?

To identify the jar file that is being used by any devices that are managed by Prime Network, open the Administration GUI client and check the properties of the VNE. In the General tab, the driver file name is displayed.

The following example shows the Cisco ASR 1002 is using the driver file Cisco-ASR10xx-v2.0.0.0.jar that was provided in the base release of Prime Network 3.8 ("DP 0").

ASR - Properties

General | SNMP | Telnet / SSH | XML | HTTP | ICMP | Polling | Events

Cisco Prime Network uses this information to identify the VNE.

Identification:

Name: ASR

IP Address: 10.77.214.114

Type: Cisco ASR 1002

Scheme: IpCore

Status:

Status: Up

Start Stop Maintenance

VNE Driver Details:

Unit: 10.56.22.25

AVM: 751

Version: 2.0.0.0

Driver File Name: Cisco-ASR10xx-v2.0.0.0.jar

Device Package Name: Cisco-ANA3.8.x-DP0

OK Cancel Apply

Memory: 9% Connected

With this information, you can:

- Check if a newer version is available and what new support it provides (see the “New Support” sections in this document).
- Check which Device Package provides a specific jar version (see “Driver Files Provided Per DP Release” section in this document)

New Support for All Cisco IOS Devices

The following new support is available for all Cisco IOS devices.

- **All Cisco IOS—Supported Events and Miscellaneous Support**

Support for:	Raw Format	Added in:
Events : (Syslog) Sonnet lrdi syslog	%SONET-4-ALARM: SONET 2/1/0: LRDI declared	DP 1303
Events : (Syslog) Sonnet lrdi syslog	%SONET-4-ALARM: SONET 2/1/0: LRDI cleared	DP 1303
Events : (Syslog) Sonnet tca syslog	%SONET-4-ALARM: SONET 2/1/0: B1 TCA	DP 1303
Events : (Syslog) Sonnet tca syslog	%SONET-4-ALARM: SONET 2/1/0: B1 TCA cleared	DP 1303
Events : (Syslog) controller up syslog	%CONTROLLER-5-UPDOWN: Controller SONET 8/1/0 OC3.STS1/VT1.5/T1 1/3/4, changed state to up	DP 1303
Events : (Syslog) controller down syslog	%CONTROLLER-5-UPDOWN: Controller SONET 8/1/0 OC3.STS1/VT1.5/T1 1/3/4, changed state to down	DP 1303

New Support for Cisco Optical Transport Devices

The following new support is available for Cisco Optical Transport devices.

Cisco Carrier Packet Transport Series (CPT)—Additional Support

- **Cisco CPT—Supported Software Versions**

Software Version	Added in:
9.3.0.2	DP 2.0
9.5.0	DP 3.0
9.5.1	DP 1206
9.5.1.1	DP 1210
9.5.1.2	DP 1210

Software Version	Added in:
9.5.2	DP 1303
9.5.3*	DP 1310

- ONS 9.5.3 software is applicable for 3.8.0 and 3.8.1 only. It is not applicable for 3.9.0.

Cisco CPT —Supported Connectors

Module Name	Module Description	Added in:
ONS-SC-GE-BXD	SFP-1000Base BX D- GE Bidirectional Upstream C Temp	DP 3.0
ONS-SC-2G-30.3	SFP – OC-48/STM16, 1530.33nm, 100 GHz, SM, LC	DP 3.0
ONS-SC-2G-31.1	SFP – OC-48/STM16, 1531.12nm, 100 GHz, SM, LC	DP 3.0
ONS-SC-2G-31.9	SFP – OC-48/STM16, 1531.90nm, 100 GHz, SM, LC	DP 3.0
ONS-SC-2G-32.6	SFP – OC-48/STM16, 1532.68nm, 100 GHz, SM, LC	DP 3.0
ONS-SC-2G-34.2	SFP – OC-48/STM16, 1534.25nm, 100 GHz, SM, LC	DP 3.0
ONS-SC-2G-35.0	SFP – OC-48/STM16, 1535.04nm, 100 GHz, SM, LC	DP 3.0
ONS-SC-2G-35.8	SFP – OC-48/STM16, 1535.82nm, 100 GHz, SM, LC	DP 3.0
ONS-SC-2G-36.6	SFP – OC-48/STM16, 1536.61nm, 100 GHz, SM, LC	DP 3.0
ONS-SC-2G-38.1	SFP – OC-48/STM16, 1538.19nm, 100 GHz, SM, LC	DP 3.0
ONS-SC-2G-38.9	SFP – OC-48/STM16, 1538.98nm, 100 GHz, SM, LC	DP 3.0
ONS-SC-2G-39.7	SFP – OC-48/STM16, 1539.77nm, 100 GHz, SM, LC	DP 3.0
ONS-SC-2G-40.5	SFP – OC-48/STM16, 1540.56nm, 100 GHz, SM, LC	DP 3.0
ONS-SC-2G-42.1	SFP – OC-48/STM16, 1542.14nm, 100 GHz, SM, LC	DP 3.0
ONS-SC-2G-42.9	SFP – OC-48/STM16, 1542.94nm, 100 GHz, SM, LC	DP 3.0
ONS-SC-2G-43.7	SFP – OC-48/STM16, 1543.73nm, 100 GHz, SM, LC	DP 3.0
ONS-SC-2G-44.5	SFP – OC-48/STM16, 1544.53nm, 100 GHz, SM, LC	DP 3.0
ONS-SC-2G-46.1	SFP – OC-48/STM16, 1546.12nm, 100 GHz, SM, LC	DP 3.0
ONS-SC-2G-46.9	SFP – OC-48/STM16, 1546.92nm, 100 GHz, SM, LC	DP 3.0
ONS-SC-2G-47.7	SFP – OC-48/STM16, 1547.72nm, 100 GHz, SM, LC	DP 3.0
ONS-SC-2G-48.5	SFP – OC-48/STM16, 1548.51nm, 100 GHz, SM, LC	DP 3.0
ONS-SC-2G-50.1	SFP – OC-48/STM16, 1550.12nm, 100 GHz, SM, LC	DP 3.0
ONS-SC-2G-50.9	SFP – OC-48/STM16, 1550.92nm, 100 GHz, SM, LC	DP 3.0
ONS-SC-2G-51.7	SFP – OC-48/STM16, 1551.72nm, 100 GHz, SM, LC	DP 3.0
ONS-SC-2G-52.5	SFP – OC-48/STM16, 1552.52nm, 100 GHz, SM, LC	DP 3.0

Module Name	Module Description	Added in:
ONS-SC-2G-54.1	SFP – OC-48/STM16, 1554.13nm, 100 GHz, SM, LC	DP 3.0
ONS-SC-2G-54.9	SFP – OC-48/STM16, 1554.94nm, 100 GHz, SM, LC	DP 3.0
ONS-SC-2G-55.7	SFP – OC-48/STM16, 1555.75nm, 100 GHz, SM, LC	DP 3.0
ONS-SC-2G-56.5	SFP – OC-48/STM16, 1556.55nm, 100 GHz, SM, LC	DP 3.0
ONS-SC-2G-58.1	SFP – OC-48/STM16, 1558.17nm, 100 GHz, SM, LC	DP 3.0
ONS-SC-2G-58.9	SFP – OC-48/STM16, 1558.98nm, 100 GHz, SM, LC	DP 3.0
ONS-SC-2G-59.7	SFP – OC-48/STM16, 1559.79nm, 100 GHz, SM, LC	DP 3.0
ONS-SC-2G-60.6	SFP – OC-48/STM16, 1560.61nm, 100 GHz, SM, LC	DP 3.0
ONS-SC+-10G-30.3	10G MR, SFP+ 1530.33, 100 GHz, LC	DP 3.0
ONS-SC+-10G-31.1	10G MR, SFP+ 1531.12, 100 GHz, LC	DP 3.0
ONS-SC+-10G-31.9	10G MR, SFP+ 1531.90, 100 GHz, LC	DP 3.0
ONS-SC+-10G-32.6	10G MR, SFP+ 1532.68, 100 GHz, LC	DP 3.0
ONS-SC+-10G-33.4	10G MR, SFP+ 1533.47, 100 GHz, LC	DP 3.0
ONS-SC+-10G-34.2	10G MR, SFP+ 1534.25, 100 GHz, LC	DP 3.0
ONS-SC+-10G-35.0	10G MR, SFP+ 1535.04, 100 GHz, LC	DP 3.0
ONS-SC+-10G-35.8	10G MR, SFP+ 1535.82, 100 GHz, LC	DP 3.0
ONS-SC+-10G-36.6	10G MR, SFP+ 1536.61, 100 GHz, LC	DP 3.0
ONS-SC+-10G-37.4	10G MR, SFP+ 1537.40, 100 GHz, LC	DP 3.0
ONS-SC+-10G-38.1	10G MR, SFP+ 1538.19, 100 GHz, LC	DP 3.0
ONS-SC+-10G-38.9	10G MR, SFP+ 1538.98, 100 GHz, LC	DP 3.0
ONS-SC+-10G-39.7	10G MR, SFP+ 1539.77, 100 GHz, LC	DP 3.0
ONS-SC+-10G-40.5	10G MR, SFP+ 1540.56, 100 GHz, LC	DP 3.0
ONS-SC+-10G-41.3	10G MR, SFP+ 1541.35, 100 GHz, LC	DP 3.0
ONS-SC+-10G-42.1	10G MR, SFP+ 1542.14, 100 GHz, LC	DP 3.0
ONS-SC+-10G-42.9	10G MR, SFP+ 1542.94, 100 GHz, LC	DP 3.0
ONS-SC+-10G-43.7	10G MR, SFP+ 1543.73, 100 GHz, LC	DP 3.0
ONS-SC+-10G-44.5	10G MR, SFP+ 1544.53, 100 GHz, LC	DP 3.0
ONS-SC+-10G-45.3	10G MR, SFP+ 1545.32, 100 GHz, LC	DP 3.0
ONS-SC+-10G-46.1	10G MR, SFP+ 1546.12, 100 GHz, LC	DP 3.0
ONS-SC+-10G-46.9	10G MR, SFP+ 1546.92, 100 GHz, LC	DP 3.0
ONS-SC+-10G-47.7	10G MR, SFP+ 1547.72, 100 GHz, LC	DP 3.0
ONS-SC+-10G-48.5	10G MR, SFP+ 1548.51, 100 GHz, LC	DP 3.0

Module Name	Module Description	Added in:
ONS-SC+-10G-49.3	10G MR, SFP+ 1549.32, 100 GHz, LC	DP 3.0
ONS-SC+-10G-50.1	10G MR, SFP+ 1550.12, 100 GHz, LC	DP 3.0
ONS-SC+-10G-50.9	10G MR, SFP+ 1550.92, 100 GHz, LC	DP 3.0
ONS-SC+-10G-51.7	10G MR, SFP+ 1551.72, 100 GHz, LC	DP 3.0
ONS-SC+-10G-52.5	10G MR, SFP+ 1552.52, 100 GHz, LC	DP 3.0
ONS-SC+-10G-53.3	10G MR, SFP+ 1553.33, 100 GHz, LC	DP 3.0
ONS-SC+-10G-54.1	10G MR, SFP+ 1554.13, 100 GHz, LC	DP 3.0
ONS-SC+-10G-54.9	10G MR, SFP+ 1554.94, 100 GHz, LC	DP 3.0
ONS-SC+-10G-55.7	10G MR, SFP+ 1555.75, 100 GHz, LC	DP 3.0
ONS-SC+-10G-56.5	10G MR, SFP+ 1556.55, 100 GHz, LC	DP 3.0
ONS-SC+-10G-57.3	10G MR, SFP+ 1557.36, 100 GHz, LC	DP 3.0
ONS-SC+-10G-58.1	10G MR, SFP+ 1558.17, 100 GHz, LC	DP 3.0
ONS-SC+-10G-58.9	10G MR, SFP+ 1558.98, 100 GHz, LC	DP 3.0
ONS-SC+-10G-59.7	10G MR, SFP+ 1559.79, 100 GHz, LC	DP 3.0
ONS-SC+-10G-60.6	10G MR, SFP+ 1560.61, 100 GHz, LC	DP 3.0
ONS-SC+-10G-61.4	10G MR, SFP+ 1561.43, 100 GHz, LC	DP 3.0
ONS-SC-E3-T3-CES	SFP – E3/DS3 PDH over FE Pseudowire (w / sync-E) – C-Temp	DP 3.0
ONS-SC-E1-T1-CES	SFP – E1/DS1 PDH over FE Pseudowire (w / sync-E) – C-Temp	DP 3.0
ONS-SC-GE-BXU	SFP-1000Base BX D- GE Bidirectional Downstream C Temp	DP 3.0
ONS-SC+-10G-ZR	SFP+ ZR – Commercial Temp	DP 3.0
ONS-SI-GE-EX	SFP – 100Base EX – I-Temp	DP 3.0
ONS-SC+-10G-LRM	SFP+ LRM – Commercial Temp	DP 3.0
ONS-SE+-10G-LR	SFP+ LR – EXT Temp	DP 3.0

- **Cisco CPT —Supported Technologies**

Technology	Added in:
EOAM Lock out scripts	DP 4.0
Link ID scripts	DP 4.0
BFD scripts	DP 4.0
MPLS-TP scripts	DP 4.0

Dynamic VPLS over MPLS-TP	DP 4.0
EOAM	DP 6.0
Configuration Support: Y1731 Show IP SLA, Y1731 Delete SLA, Y1731 Configure IP SLA Parameters	DP 1206

New Support for Cisco Routers

The following new support is available for Cisco routers.

Cisco ISR 2800 Series Routers —Additional Support

- **Cisco ISR 2800—Supported Software Versions**

Software Version	Added in:
15.0(1)M7	DP 3.0
15.1(3) T3	DP 3.0

Cisco ISR 2900 Series Routers —Additional Support

- **Cisco ISR 2900—Supported Software Versions**

Software Version	Added in:
15.2(T)	DP 1.0

- **Cisco ISR 2900—Supported Modules**

Module Name	Module Description	Added in:
PWR-2921-51-DC	Cisco 2921/2951 DC Power Supply (Both system & spare)	DP 5.0

Cisco ISR 3800 Series Routers —Additional Support

- Cisco ISR 3800—Supported Software Versions

Software Version	Added in:
15.0(1)M7	DP 3.0

Cisco ISR 3900 Series Routers —Additional Support

- Cisco ISR 3900—Supported Software Versions

Software Version	Added in:
15.2(T)	DP1.0

Cisco MWR 2900 Mobile Wireless Routers — Additional Support

- Cisco MWR 2900—Supported Software Versions

Software Version	Added in:
15.1(1)MR2	DP 1.0
15.1(1)MR3	DP 3.0
15.1(1)MR04	DP 6.0
15.1(1)MR05	DP 1210
15.1(3)MR	DP 1210

- Cisco MWR 2900— Supported Events and Miscellaneous Support

Support for:	Added in:
Events: (Syslog) ENVN-1-OVERTEMP	DP 1206
Events: Ticketable support for ENVN-1-OVERTEMP	DP 1210

Cisco 7200 Series Routers —Additional Support

- **Cisco 7200—Supported Technologies**

Technology	Added in:
ISIS	DP 1.0

- **Cisco 7200—Supported Software Versions**

Software Version	Added in:
15.1(3)S1	DP 1.0
12.2(33)SRD7	DP 1.0

Cisco 7300 Series Routers —Additional Support

- **Cisco 7300—Supported Software Versions**

Software Version	Added in:
15.0(1)M1	DP 1.0
15.0(1)M2	DP 1.0
15.0(1)M3	DP 1.0
15.0(1)M4	DP 1.0
15.0(1)M5	DP 1.0

Cisco 7600 Series Routers —Additional Support

- **Cisco 7600—Supported Modules**

Module Name	Module Description	Added in:
WS-IPSEC-3	Cisco Catalyst 6500 Series VPN Services Port Adapter	DP1.0
WS-SSC-600	Cisco Catalyst 6500 Series Services SPA Carrier-600	DP 1.0
ACE20-MOD-K9	Application Control Engine Module Rev. 2.5	DP 3.0
WS-SVC-NAM-2-250S	Cisco Catalyst 6500 and Cisco 7600 Network Analysis Module	DP 3.0

Module Name	Module Description	Added in:
7600-ES+ITU-2TG-LK	7600-ES+ITU-2TG-LK 7600 ES+ 2x10GE XFP ITU	DP 3.0
76-ES+XT-2TG3CXL	7600 ES+XT, LAN/WAN PHY, OTN/G.709, 2x10GE, XFP, DFC3CXL	DP 3.0
WS-SVC-SAMI-BB-K9	WS-SVC-SAMI-BB-K9 7 ports SAMI Module	DP 1206
WS-X6716-10G-3C	WS-X6716-10GE CEF720 16 port 10GE	DP 1206
WS-X6716-10G-3CXL	76-ES+T+XC-20G3C 11 ports 7600 ES+T	DP 1206
ES+ Low-Q Combo	76-ES+T+XC-20G3C ES+T 1xTGE XFP 10xGE SFP, 76-ES+T+XC-40G3C	DP 1206
SPA-4XOC3-POS-V2	4-port OC3/STM1 POS Shared Port Adapter	DP 1210
SPA-4XOC12-POS	4-port OC12/STM4 POS Shared Port Adapter	DP 1210
ES+HD ES+T 8TG	76-ES+T-8TG 7600 ES+T 8x10GE SFP+ Rev. 1.4	DP 1210
SPA-4XT-SERIAL	4-port Serial Shared Port Adapter	DP 1210

- Cisco 7600—Supported Software Versions**

Software Version	Added in:
15.1(3)S1	DP1.0
12.2(33)SRD7	DP 1.0
12.2(33)SRE5	DP 1.0
15.1(3)S2	DP 1.0
15.2(1)S	DP 1.0
15.0(1)S5	DP 2.0
12.2(33)SRE6	DP 4.0
12.2(33)SRD8	DP 5.0
15.1(3)S3	DP 5.0
15.2(1)S1	DP 5.0
15.2(2)S	DP 1206
15.0(1)S6	DP 1207
15.1(3)S4	DP 1209
15.2(4)S	DP 1209

- **Cisco 7600—Miscellaneous Support**

Support for:	Added in:
Wavelength maps Inventory and Scripts	DP 2.0
PM properties Inventory and Scripts for IPoDWDM	DP 2.0
Trail Trace Identifier Scripts for IPoDWDM	DP 2.0
MPLS-TP Scripts	DP 5.0
BFD Scripts	DP 5.0
Link ID Scripts	DP 5.0
EOAM Lock Out Scripts	DP 5.0

- **Cisco 7600—Supported Events and Miscellaneous Support**

Support for:	Added in:
Events: (Traps) cesRealServerStateUp, cesRealServerStateDown, cesRealServerStateChange, cesRserverStateUp, cesRserverStateDown, cesRserverStateChange, ciscoSlbVServerVIPStateChange, ciscoSlbVServerStateChange, clmLicenseExpiryNotify, clmLicenseFileMissingNotify, clmLicenseExpiryWarningNotify (Syslogs): ACE-3-251008, ACE-3-251011, ACE-3-251014	DP 1206
Events: (Traps) ETHERNET_MLACP-SP-4-PEER_DOWN, ETHERNET_MLACP-SP-4-CORE_ISOLATION	DP 1207

Cisco IOS 12000 Series Routers—Additional Support

- **Cisco IOS 12000—Supported Modules**

Module Name	Module Description	Added in:
12416E-SFC	Cisco 12010/12410 Enhanced Switch Fabric Card	DP 1305
12416E-CSC	Cisco 12016/12416 Enhanced Clock Scheduler Card	DP 1305

- **Cisco IOS 12000—Supported Events and Miscellaneous Support**

Support for:	Raw Format	Added in:
Events: (Syslog) MBUS-6-OIR	%MBUS-6-OIR: Clock Scheduler Card(10) OC-192 Removed from Slot 2 %MBUS-6-OIR: Clock Scheduler Card(10) OC-192 Inserted into Slot 2	DP 1305

Cisco XR 12000 Series Routers—Additional Support

- **Cisco XR 12000—Supported Software Versions**

Software Version	Added in:
XR 4.1.2	DP 1.0
XR 4.2.0	DP 2.0
XR 4.2.1	DP 1206
XR 4.2.3	DP 1210
XR 4.2.4	DP 1301
XR 4.3.0	DP 1301

- **Cisco XR 12000—Supported Modules**

Module Name	Module Description	Added in:
PRP3-SMDC	Cisco XR 12000 Service Module Daughter Card for PRP-3	DP 2.0
SFP-OC3-IR1	OC-3/STM-1 pluggable intermediate-reach (15 km) transceiver module, 1310-nm wavelength, LC connector	DP 2.0
SFP-OC3-LR2	OC-3/STM-1 pluggable long-reach (80 km) transceiver module, 1550-nm wavelength, LC connector	DP 2.0
SFP-OC3-LR1	OC-3/STM-1 pluggable long-reach (40 km) transceiver module, 1310-nm wavelength, LC connector	DP 2.0
SFP-OC3-SR	OC-3/STM-1 pluggable short-reach (2 km) transceiver module, 1310-nm wavelength, LC connector	DP 2.0
SFP-OC3-MM	OC-12/STM-4 pluggable short-reach (2 km) transceiver module, 1310-nm wavelength, MMF, LC connector	DP 2.0
SPA-1CHOC3-CE-ATM	1-port Channelized OC3/STM-1 ATM & Circuit Emulation SP	DP 2.0

Module Name	Module Description	Added in:
SPA-24CHT1-CE-ATM	24-port Channelized T1/E1 ATM & Circuit Emulation Shared Port Adapter	DP 2.0
SPA-2CHT3-CE-ATM	2-port Channelized T3/E3 ATM & Circuit Emulation Shared Port Adapter	DP 2.0

- **Cisco XR 12000—Supported Technologies**

Technology	Added in:
IPSec	DP 2.0
HSRP Technology	DP 1206
HSRP V2 Technology	DP 1301

- **Cisco XR 12000—Supported Events and Miscellaneous Support**

Support for:	Added in:
Events: (Traps) Hsrp state standby, Hsrp state non active, Hsrp state active (Syslogs): Hsrp group change, Hsrp group restored	DP 1206
Events: (Syslog) L2-SPA-5-STATE_CHANGE	DP 1308

Cisco CRS Carrier Routing System—Additional Support

- **Cisco CRS—Supported Network Elements**

NE Type	Product Name	SysOID	Added in:
CRS-16/S-B	CRS 16 Slots Carrier Routing System/Single-B	1.3.6.1.4.1.9.1.613	DP 1.0
CRS-8-LCC-B	CRS 8 Slots carrier Routing System/Single-B	1.3.6.1.4.1.9.1.1658	DP 1206

- **Cisco CRS—Supported Software Versions**

Software Version	Added in:
XR 4.0.4	DP 1.0
XR 4.1.2	DP 1.0

Software Version	Added in:
XR 4.2.0	DP 2.0
XR 4.2.1	DP 1206
XR 4.2.3	DP 1210
XR 4.2.4	DP 1301
XR 4.3.0	DP 1301

- **Cisco CRS—Supported Modules**

Module Name	Module Description	Added in:
CRS-8-LCC-B	CRS-8 Line Card Chassis-enhanced for CRS-8/S-B	DP 1.0
CRS-8-PSH-DC-B	CRS Modular AC Power Shelf for CRS-8/S-B	DP 1.0
CRS-8-PSH-AC-B	CRS Modular DC Power Shelf for CRS-8/S-B	DP 1.0
CRS-16-LCC-B	CRS 16 Slots Line Card Chassis for CRS-16/S-B	DP 1.0
CRS-16-ALARM-B	CRS 16 Slots Alarm Board for CRS-16/S-B	DP 1.0
CRS-16-PWRSH-AC	CRS 16 slots AC Power Shelf for CRS-16/S-B	DP 1.0
CRS-16-PWRSH-DC	CRS 16 slots DC Power Shelf for CRS-16/S-B	DP 1.0
CRS-16-FAN-CT	CRS 16 slots Fan Controller for CRS-16/S-B	DP 1.0
CRS-16-FANTRAY	CRS 16 Slot Fan Tray for CRS-16/S-B	DP 1.0
CRS-8-PSH-AC-B	CRS 8 Slot AC Power Shelf for CRS-8/S-B	DP 1206
4-40GE-L/OTN	Cisco CRS 4-Port 40 Gigabit Ethernet LAN/OTN Interface Module	DP 1210
1-100GE-DWDM/C	Cisco CRS 1-port 100-GE IP over DWDM PLIM	DP 1210
2-40GE-L/OTN	Cisco CRS Series 2x40GbE I3 Interface Module	DP 1301
6-10GE-WLO-FLEX	Cisco CRS Series 6x10GbE I2 Flex Interface Module	DP 1303

- **Cisco CRS—Supported Technologies**

Technology	Added in:
Channelization APS Syslog Support	DP1.0
Reduced Polling Support for CRS 16 VE	DP 4.0
Multi Chassis	DP 1207
LLDP	DP 1303

- **Cisco CRS—Supported Events and Miscellaneous Support**

Support for:	Added in:
Events: (Syslog) IP-IPV6_ND-3-ADDRESS_DUPLICATE	DP 1206
Events : (Trap) cisco-RF-swap-notification-trap-V2, cisco RF status – activeUnitFailed” has been changed as Ticket able and also changed severity as “Minor”	DP 1301
Events: (Syslog) ROUTING-BGP-5-UPDATE_FILTERED	DP 1303
Events: (Syslog) L2-SPA-5-STATE_CHANGE	DP 1308

Cisco ASR 901 Routers —Additional Support

- **Cisco ASR 901—Supported Network Elements**

NE Type	Product Name	SysOID	Added in:
A901-12C-F-D	Cisco ASR 901 Series Aggregation Services Router Chassis; Ethernet-only interfaces	1.3.6.1.4.1.9.1.1521	DP 1.0
A901-12C-FT-D	Cisco ASR 901 Series Aggregation Services Router Chassis; Ethernet and TDM interfaces	1.3.6.1.4.1.9.1.1522	DP 1.0
A901-4C-F-D	Cisco ASR 901 Series Aggregation Services Router Chassis; Ethernet-only interfaces	1.3.6.1.4.1.9.1.1521	DP 1209
A901-4C-FT-D	Cisco ASR 901 Series Aggregation Services Router Chassis; Ethernet and TDM interfaces	1.3.6.1.4.1.9.1.1522	DP 1209
A901-6CZ-F-D	Cisco ASR 901 Series Aggregation Services Router Chassis, Ethernet-only interfaces, 10 GE, DC power, USB	1.3.6.1.4.1.9.1.1724	DP 1301
A901-6CZ-FT-A	Cisco ASR 901 Series Aggregation Services Router Chassis, Ethernet and TDM interfaces, 10 GE, AC power, USB	1.3.6.1.4.1.9.1.1727	DP 1301
A901-6CZ-FT-D	Cisco ASR 901 Series Aggregation Services Router Chassis, Ethernet and TDM interfaces, 10 GE, DC power, USB	1.3.6.1.4.1.9.1.1726	DP 1301
A901-6CZ-F-A	Cisco ASR 901 Series Aggregation Services Router Chassis, Ethernet-only interfaces, 10 GE, AC power, USB	1.3.6.1.4.1.9.1.1725	DP 1301

- **Cisco ASR 901—Supported Software Versions**

Software Version	Added in:
15.1(2)SNG	DP 1.0
15.1(2)SNH	DP 3.0
15.1(2)SNI	DP 6.0
15.2(2)SNG	DP 1209
15.2(2r)SNH1	DP 1301

- **Cisco ASR 901 —Supported Technologies**

Technology	Added in:
802.1q	DP 1.0
IEEE bridging	DP 1.0
802.3ad Link Aggregation Bundles	DP 1.0
Pseudowire setup and maintenance using the Label Distribution Protocol (LDP) (RFC 4447)	DP 1.0
Open Shortest Path First (OSPF)	DP 1.0
Border Gateway Protocol (BGP)	DP 1.0
Intermediate System-to-Intermediate System (IS-IS)	DP 1.0
Bidirectional Forwarding Detection (BFD) support for OSPF, IS-IS, BGP, and static routes	DP 1.0
Label Distribution Protocol (LDP)	DP 1.0
MPLS L3VPN	DP 1.0
Clock	DP 1.0
ITU-T Synchronous Ethernet (SyncE) support on copper and fiber	DP 1.0
IEEE 802.1ag Connectivity Fault Management (CFM)	DP 1.0
Ethernet Local Management Interface (ELMI)	DP 1.0
IEEE 802.3ah Link OAM	DP 1.0
MAC limiting per Ethernet flow point (EFP) or bridge domain	DP 1.0
Layer 3 ACLs	DP 1.0
Resilient Ethernet Protocol (REP)	DP 1.0
Inner vlan and Outer vlan classification	DP 1.0
Shared Registration	DP 1208

LLDP	DP 1210
EVC SVI Services	DP 1210

Cisco ASR 903 Routers —Additional Support

- **Cisco ASR 903—Supported Software Versions**

Software Version	Added in:
15.2(1)S	DP 2.0
15.2(1)S1	DP 4.0
15.2(2)S	DP 5.0
15.2(1)S2	DP 6.0
15.2(2)S1	DP1206
15.2(4)S	DP 1208
15.2(4)S1a	DP 1301
15.3(1)S	DP 1301

- **Cisco ASR 903—Supported Modules**

Module Name	Module Description	Added in:
ASR-903	Modular 3RU Chassis ASR 903	DP 2.0
XFP-10G-MM-SR	Cisco 10GBASE-SR XFP Module for MMF	DP 2.0
GLC-LX-SM-RGD	1000BASE-LX/LH long wavelength; rugged	DP 2.0
GLC-SX-MM-RGD	1000BASE-SX short wavelength; rugged	DP 2.0
GLC-BX-D	1000BASE-BX10-D downstream bidirectional single fiber; with DOM	DP 2.0
A903-FAN	ASR 903 FAN Tray	DP 2.0
A900-PWR550-D	ASR 900 550W DC Power Supply	DP 2.0
A900-IMA8S	ASR 900 8-Port SFP Gigabit Ethernet Interface Module	DP 2.0
A900-IMA1X	ASR 900 1-Port 10GE XFP Interface Module	DP 2.0
A900-IMA16D	ASR 900 16-Port T1/E1 Interface Module	DP 2.0
A900-IMA8T	ASR 900 8-Port 10/100/1000 Ethernet Interface Module	DP 2.0
A903-RSP1A-55	ASR 903 Route Switch Processor 1, Base Scale	DP 2.0

Module Name	Module Description	Added in:
A900-IMA4OS	ASR 900 4-Port OC3/STM1 or 1-Port OC12/STM4 Interface Module	DP 5.0
ONS-SI-155-SR-MM	OC-3/STM-1 SFP optics module, intermediate-reach, 1310 nm, multimode, industrial temperature, LC connector	DP 5.0
ONS-SI-155-I1	OC-3/STM-1 SFP optics module, intermediate-reach, 1310 nm, single-mode, industrial temperature, LC connector	DP 5.0
ONS-SI-155-L1	OC3 LR-1/STM1 L-1.1	DP 5.0
ONS-SC-155-EL	SFP – STM-1 Electrical, standard coaxial (75 ohm) connector	DP 5.0
ONS-SI-155-L2	OC-3/STM-1 SFP optics module, long-reach, 1550 nm, single-mode, industrial temperature, LC connector	DP 5.0
DWDM-SFP-xxxx	Longwave 1530.33 nm laser (100-GHz ITU channel 59), single mode	DP 5.0
SFP-OC3-MM	OC-3/STM-1 pluggable short-reach (2 km) transceiver module, 1310-nm wavelength, MMF, LC connector	DP 5.0
CWDM-SFP-xxxx	Longwave 1610 nm laser, single mode	DP 5.0
GLC-ZX-SMD	1000Base-ZX SFP Singlemode transceiver	DP 5.0
GLC-SX-MMD	Cisco 1000BASE-SX SFP transceiver module for MMF, 850-nm wavelength, extended operating temperature range.	DP 5.0
ONS-SI-622-I1	Dual-rate OC-12/STM-4 and OC-3/STM-1 SR/I-1/I-4, IR1/S-1.1/S-4.1, 1310 nm SMF, SFP ITEMP	DP 1301
ONS-SI-622-SR-MM	OC12/STM4, IR1/S4.1.,1310 nm, Multi-Mode , Small Form Pluggable (SFP), I Temp	DP 1301
ONS-SI-622-L2	OC-12/STM-4 LR/L-4.2, 1550 nm SMF, SFP, ITEMP	DP 1301
ONS-SI-622-L1	OC-12/STM-4 LR1/L-4.1, 1310 nm SMF, SFP, ITEMP	DP 1301

- Cisco ASR 903—Supported Technologies and Miscellaneous Support**

Support for:	Added in:
Technologies: IP, Ethernet, Routing Protocols, MPLS, MPLS-TP, VPN, LocalSwitching, BFD, CDP, CFM, EOAM	DP 2.0
Activation scripts: Tunnel Ping, Lsp Ping, Tunnel Trace, Lsp Trace, LSP Path Lockout (lsp level), LSP Path No Lockout (lsp level), LSP Path Lockout (tunnel level), LSP Path No Lockout (tunnel level), Add Global Configuration, Remove Global Configuration, Update Global Configuration, Add Link Configuration, Remove Link Configuration, Add BFD Template Configuration, Remove BFD Template Configuration, Show BFD Template, Show BFD Template At Tunnel, Add Label Range Configuration, Remove Label Range Configuration	DP 2.0

Events (Syslogs): Remote Failure, Local Failure	DP 1208
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Cisco ASR 1000 Series Routers —Additional Support

- **Cisco ASR 1000—Supported Software Versions**

Software Version	Added in:
XE 3.3.2S	DP 1.0
XE 3.4.1S	DP 1.0
XE 3.5.0S	DP 1.0
XE 3.4.2S	DP 2.0
XE 3.6.0S	DP 5.0
XE 3.5.1	DP 5.0
XE 3.4.3S	DP 6.0
XE 3.7.0S	DP 1208
XE 3.6.1S	DP 1208
XE 3.4.4S	DP 1208
XE 3.5.2S	DP 1208
XE 3.7.1	DP 1210

- **Cisco ASR 1000— Supported Technologies**

Technology	Added in:
IPSec for VzW	DP 4.0
EOAM (CFM 802.1ag/EFM 802.3ah) for VzW	DP 6.0

- **Cisco ASR 1000—Supported Events**

Events	Added in:
EOAM Syslogs	DP 6.0

- **Cisco ASR 1000— Supported Technologies and Miscellaneous Support**

Support for:	Added in:
EOAM trace Scripts, EOAM lock out Scripts, EOAM ping Scripts	DP 6.0

Cisco ASR 5000 Series Routers —Additional Support

- **Cisco ASR 5000—Supported Network Elements**

NE Type	Product Name	SysOID	Added in:
ASR5000-CHS-SYS-K9	ASR-5000 Multimedia Core Platform Complete Chassis	1.3.6.1.4.1.8164	DP 1.0

- **Cisco ASR 5000—Supported Software Versions**

Software Version	Added in:
StarOS 12.2	DP 1.0
ASR5K-SW-R10-K9	DP 1.0
StarOS 14.0	DP 1207
StarOS 14.1	DP 1303

- **Cisco ASR 5000—Supported Modules**

Module Name	Module Description	Added in:
ASR5K-01100E-K9	FELC Ethernet 10/100 Line Card	DP 1.0
ASR5K-0110G-MM-K9	ATM/POS OC-3 with Multi-Mode Fiber SFP	DP 1.0
ASR5K-011GE-LX-K9	GELC Ethernet 1000 Line Card w/LX Single-Mode SFP	DP 1.0
ASR5K-011GE-SX-K9	GELC Ethernet 1000 Line Card w/SX Multi-Mode Short Haul SFP	DP 1.0
ASR5K-011GE-T-K9	GELC Ethernet 1000 Line Card w/Copper SFP	DP 1.0
ASR5K-041GE-LX-K9	QGLC 4-Port Ethernet 1000 Line Card with LX SM SFP	DP 1.0
ASR5K-041GE-SX-K9	QGLC 4-Port Ethernet 1000 Line Card with SX MM Short Haul SFP	DP 1.0

Module Name	Module Description	Added in:
ASR5K-041GE-T-K9	QGLC 4-Port Ethernet 1000 Line Card with copper SFP	DP 1.0
ASR5K-PSC-32G-K9	Packet Services Card 32GB	DP 1.0
ASR5K-RCC-K9	Redundancy crossbar	DP 1.0
ASR5K-SMC-K9	System Management Card	DP 1.0
ASR5K-SPIO-3PN-K9	Switch Processor Input/Output Switch Processor I/O, 3-Pin BITS	DP 1.0
ASR5K-SPIO-BNC-K9	Switch Processor Input/Output Switch Processor I/O, BNC BITS with Stratum 3 module	DP 1.0

- Cisco ASR 5000—Supported Technologies and Miscellaneous Support**

Support for:	Added in:
IP Interface, Routing Table, ARP Table, MPBGP VLAN	DP 2.0
Cisco Entity FRU MIB support	DP 2.0
Support link/up down association	DP 3.0
Trap support for PGW, SGW, APN, GGSN, GPRS, MME	DP 3.0
Events: (Traps) starECSTotalDNSLearntIPv4Threshold, starECSTotalDNSLearntIPv4ThresholdClear, starECSTotalDNSLearntIPv6Threshold, starECSTotalDNSLearntIPv6ThresholdClear	DP 1207

Cisco ASR 9000 Series Routers —Additional Support

- Cisco ASR 9000—Supported Network Elements**

NE Type	Product Name	SysOID	Added in:
ASR-9001	Cisco ASR 9000 Series Aggregation Services Routers/ASR 9001 type	1.3.6.1.4.1.9.1.1639	DP 1206
ASR9000v	ASR 9000v AC chassis	NA	DP 1206
ciscoASR9922	Cisco ASR 9922 chassis	1.3.6.1.4.1.9.1.1640	DP 1208

- **Cisco ASR 9000—Supported Software Versions**

Software Version	Added in:
XR 4.1.2	DP 1.0
XR 4.2.0	DP 2.0
XR 4.2.1	DP 1206
XR 4.2.2	DP 1208
XR 4.2.3	DP 1210
XR 4.3.0	DP 1301

- **Cisco ASR 9000—Supported Modules**

Module Name	Module Description	Added in:
A9K-24X10GE-TR	Cisco ASR 9000 24-Port 10 GE Packet Transport Optimized Line Card, Requires SFP+ optics	DP 2.0
A9K-RSP440-SE	Route Switch Processor 440 G bandwidth optimized for service edge	DP 2.0
A9K-RSP440-TR	Route Switch Processor 440 G bandwidth optimized for packet transport	DP 2.0
A9K-24X10GE-SE	Cisco ASR 9000 24-Port 10 GE Service Edge Optimized Line Card, Requires SFP+ optics	DP 2.0
SPA-1XOC3-ATM-V2	1-port OC3c SFP Optics ATM Shared Port Adapter	DP 2.0
SPA-1XOC12-ATM-V2	1-port OC12c SFP Optics ATM Shared Port Adapter	DP 2.0
SPA-3XOC3-ATM-V2	3-port OC3c SFP Optics ATM Shared Port Adapter	DP 2.0
SPA-1CHOC3-CE-ATM	1-port Channelized OC3/STM-1 ATM & Circuit Emulation SP	DP 2.0
XFP-10GLR-OC192SR	Cisco 10 Gigabit Ethernet LR (10 km) Optics	DP 2.0
A9K-MOD160-SE	ASR 9000 MOD160 Modular Linecard, Service Edge Optimized	DP 1206
A9K-MPA-2X40GE	ASR 9000 2-port 40-Gigabit Ethernet Modular Port Adapter	DP 1207
40GBASE-SR4	Multi-mode 40 Gbps Ethernet CFP Fiber Optic Transceiver	DP 1207
40GBASE-LR4	Single-mode 40 Gbps Ethernet CFP Fiber Optic Transceiver	DP 1207
A9K-750W-AC	ASR-9K 750W AC Power Module	DP 1207
PWR-2KW-DC-V2	2kW DC Power Module	DP 1207
A9K-750W-DC	ASR-9K 750W DC Power Module	DP 1207

Module Name	Module Description	Added in:
ASR-9001-FAN	ASR 9001 fan-tray	DP 1207
A9K-36X10GE-SE	ASR 9922 36-port 10GE, Service Edge Optimized LC	DP 1208
A9K-36X10GE-TR	ASR 9922 36-port 10GE, Packet Transport Optimized LC	DP 1208
A9K-1x100GE-SE	ASR 9922 1-port 100GE, Service Edge Optimized LC	DP 1208
A9K-1x100GE-TR	ASR 9922 1-port 100GE, Packet Transport Optimized LC	DP 1208
PWR-3KW-AC-V2	3kW AC Power Module	DP 1208
A9K-MPA-1X40GE	ASR 9000 1-port 40GE Modular Port Adapter	DP 1210
SFP-10G-ZR	10GBASE-ZR SFP+, SMF 80km	DP 1301
CFP-100G-SR10	100 Gigabit Ethernet BASE-SR10 CFP, OM3 MMF	DP 1303

- Cisco ASR 9000—Supported Technologies**

Technology	Added in:
Channelization	DP 1.0
SDH (AU3/AU4) Mode	DP 1.0
E-LMI on Ethernet	DP 1.0
Clocking Enhancement	DP 1.0
MST-AG Script	DP 1.0
LINK ID Scripts to support Link ID [Configure Remove]	DP 4.0
MPLS-TP Scripts	DP 4.0
BFD Scripts	DP 5.0
ASR9000 Cluster support	DP 1206
Satellite Feature support for ASR 901 and ASR 903	DP 1301
Ironman Cluster support	DP 1301
LLDP	DP 1303

- ASR 9000—Supported Events and Miscellaneous Support**

Support for:	Added in:
Events: MPLS TP Tunnel Up/Down, MPLS TP LSP Up/Down, MPLS TP Switched Working/Protected, MPLS TP Lockdown Enter/Exit, MPLS TP LSP Up/Down, MPLS TP Tunnel Changed, MPLS TP LSP Changed, MPLS TP Link Changed, MPLS TP Label Range Changed	DP 2.0

Support for:	Added in:
Scripts: ELMI_configureMP2MorP2PEVC, ELMI_configurUNI, ELMI_ConfigureOnInterface, ELMI_configurServiceVlanID, OAM scripts Lockout, OAM scripts Ping, OAM scripts Trace	DP 2.0
Scripts: Y1731 Delete Ethernet SLA Operation, Y1731 Show SLA Profiles, Y1731 Show SLA Operations Detail, Y1731 Configure Global SLA, Y1731 Configure Probe EndPoint Association, Y1731 Create On Demand Probe Configuration, Y1731 Deassociate Profile	DP 1206
Events: (Syslog) L2-CFM-6-AIS_LCK_CHANGE, L2-CFM-6-CC_ERROR, L2-CFM-6-MEP_CHANGE	DP 1207
Events: (Trap) entStateOperEnabled, entOperStateDisabled	DP 1303
Events: (Syslog) OS-DUMPER-5-CORE_FILE_NAME, OS-DUMPER-5-DUMP_FAILURE	DP 1305
Events: (Trap) : MPLS-TE tunnel down trap, MPLS TE tunnel up trap, Cisco bfd session down trap, Cisco bfd session down trap, ISIS Adjacency change Down trap, ISIS Adjacency change Up trap, MPLS LDP session down trap, MPLS LDP session up trap, cvpls Config Admin Status is DOWN, cvpls Config Admin Status is UP, cvpls Status Oper Status is DOWN, cvpls Status Oper Status is UP, cvpls Fwd Full Alarm Raised, cvpls Fwd Full Alarm Cleared, ISIS Authentication Failure, ISIS Sys Level State off, ISIS Sys Level State on, ISIS Sys Level State waiting, ISIS Sys Level State overloaded	DP 1307

Cisco uBR 1000 Series Routers —Additional Support

- **Cisco uBR 1000—Supported Software Versions**

Software Version	Added in:
12.2SBC	DP 1.0

New Support for Cisco Switches

The following new support is available for Cisco switches.

Cisco ME 3600X Series Ethernet Access Switches—Additional Support

- Cisco ME 3600X—Supported Network Elements**

NE Type	Product Name	SysOID	Added in:
ME-3600X-24CX-M	Cisco ME 3600X Series Ethernet Access Switches/ ME-3600X-24CX-M	1.3.6.1.4.1.9.1.1616	DP 1206

- Cisco ME 3600X—Supported Software Versions**

Software Version	Added in:
15.1(2)EY1	DP 1.0
12.2(52)EY3	DP 1.0
15.2(2)S	DP 1206
15.2(2)S1	DP 1206
15.2(4)S	DP 1209
15.1(2)EY2	DP 1210
15.3(1)S	DP 1301

- Cisco ME 3600X—Supported Modules**

Module Name	Module Description	Added in:
GLC-FE-100LX-RGD*	100BASE-LX10 Rugged SFP for Fast Ethernet SFP ports	DP 1206
GLC-FE-100FX-RGD*	100BASE-FX Rugged SFP for Fast Ethernet SFP ports	DP 1206
GLC-LX-SM-RGD*	1000BASE-LX/LH long wavelength; rugged	DP 1206
GLC-SX-MM-RGD*	1000BASE-SX short wavelength; rugged	DP 1206
GLC-ZX-SM-RGD*	1000BASE-ZX extended distance; rugged	DP 1206
GLC-BX-U*	1000BASE-BX10-U upstream bidirectional single fiber; with DOM	DP 1206

Module Name	Module Description	Added in:
GLC-BX-D*	1000BASE-BX10-D downstream bidirectional single fiber; with DOM	DP 1206
GLC-EX-SMD*	1000BASE-EX long-wavelength; with DOM	DP 1206
DWDM-XFP-C*	Tunable Wavelength Dwdm Xfp, Wavelength 1529.55 to 1561.83,Channel number 1 to 82	DP 1206
PWR-ME3KX-DC*	Cisco ME 3600X/ME 3800X Series field- replaceable DC power supply and fan module	DP 1206
PWR-ME3KX-AC*	Cisco ME 3600X/ME 3800X Series field- replaceable AC power supply and fan module	DP 1206
ME-FANTRAY*	Metro Ethernet 3600X/3800X Fan Tray	DP 1206

*Modules are supported in ME3600X-24CX-M Device only

- **Cisco ME 3600X—Supported Technologies**

Technology	Added in:
MPLS-TP	DP 1209

Cisco ME 3800X Series Carrier Ethernet Switches—Additional Support

- **Cisco ME 3800X—Supported Software Versions**

Software Version	Added in:
15.1(2)EY1	DP 1.0
12.2(52)EY3	DP 1.0
15.2(2)S	DP 1206
15.2(2)S1	DP 1206
15.2(4)S	DP 1209
15.1(2)EY2	DP 1210
15.3(1)S	DP 1301

Cisco 3750 Metro Series Switches —Additional Support

- Cisco Catalyst 3750 ME—Supported Technologies

Technology	Added in:
ISIS	DP 1.0

Cisco Catalyst 3560 Series Switches —Additional Support

- Cisco Catalyst 3560—Supported Network Elements

NE Type	Product Name	SysOID	Added in:
WS-C3560X-48P-E	Standalone 48 10/100/1000 Ethernet PoE+ ports, with 715W AC power supply 1 RU, IP Services feature set	1.3.6.1.4.1.9.1.1227	DP 6.0

- Cisco Catalyst 3560—Supported Modules

Module Name	Module Description	Added in:
C3KX-PWR-715WAC	715W AC power supply	DP 6.0

- Cisco Catalyst 3560—Supported Software Versions

Software Version	Added in:
12.2(53)SE2	DP 6.0

Cisco Catalyst 3750 Series Switches —Additional Support

- Cisco Catalyst 3750—Supported Network Elements

NE Type	Product Name	SysOID	Added in:
WS-C3750X-12S	Stackable 12 GE SFP Ethernet ports, with 350W AC power supply 1 RU, IP Base feature set	1.3.6.1.4.1.9.1.1405	DP 6.0

- **Cisco Catalyst 3750—Supported Modules**

Module Name	Module Description	Added in:
C3KX-PWR-350WAC	350W AC power supply	DP 6.0
C3KX-NM-10G	Two 10GbE SFP+ ports network module with four physical ports with two SFP+ and two regular SFP ports	DP 6.0
C3KX-PWR-715WAC	715W AC power supply	DP 6.0

- **Cisco Catalyst 3750—Supported Software Versions**

Software Version	Added in:
12.2(53)SE2	DP 6.0

Cisco Catalyst 3560-X Series Switches —Additional Support

- **Cisco Catalyst 3560-X—Supported Network Elements**

NE Type	Product Name	SysOID	Added in:
WS-C3560X-24T-S or WS-C3560X-24T-E	24 Ethernet 10/100 ports and 2 Small Form-Factor Pluggable (SFP)-based Gigabit Ethernet ports; 1 rack unit (RU)	1.3.6.1.4.1.9.1.1226	DP 1307

- **Cisco Catalyst 3560-X —Supported Software Versions**

Software Version	Added in:
15.0(2)SE1	DP 1307

- **Cisco Catalyst 3560-X —Supported Technologies**

Technology	Added in:
IP	DP 1307
ARP	DP 1307
Ethernet (IEEE 802.3)	DP 1307
VLAN (IEEE 802.1q)	DP 1307
LAG (IEEE 802.3ad)	DP 1307
Ethernet Channel	DP 1307

STP (IEEE 802.1D)	DP 1307
RSTP (IEEE 802.1w)	DP 1307
PvSTP	DP 1307
PsSTP+	DP 1307
MST (IEEE 802.1s)	DP 1307
VTP	DP 1307
REP	DP 1307
CDP	DP 1307

- Cisco Catalyst 3560-X —Supported Modules**

Module Name	Module Description	Added in:
WS-C3560X-24T-S	24 Ethernet 10/100 ports and 2 Small Form-Factor Pluggable (SFP)-based Gigabit Ethernet ports	DP 1307
C3KX-SM-10G	Service Module with two 10GbE SFP+ ports network module for Netflow and MACsec encryption	DP 1307
C3KX-PWR-350WAC	350W AC power supply	DP 1307
C3KX-PWR-440WDC=	440W DC power supply	DP 1307

- Cisco Catalyst 3560-X —Supported Traps**

Trap Name	Trap OID	Expedites Polling	Event Source	Correlate	Is Correlation Allowed	Auto Clear	Severity	Is Ticketable	Added in:
cpSc Status is inactive	1.3.6.1.4.1.9.9.362.0.2	NA	IManagedElement	F	F	F	Info	F	DP 1307
cpSc Status is forwarding	1.3.6.1.4.1.9.9.362.0.2	NA	IManagedElement	F	F	F	Cleared	F	DP 1307
cpSc Status is trafficTypeFiltered	1.3.6.1.4.1.9.9.362.0.2	NA	IManagedElement	F	F	F	Info	F	DP 1307
cpSc Status is allTrafficFiltered	1.3.6.1.4.1.9.9.362.0.2	NA	IManagedElement	F	F	F	Info	F	DP 1307
cpSc Status is shutdown	1.3.6.1.4.1.9.9.362.0.2	NA	IManagedElement	F	F	T	Major	F	DP 1307

cisco Env Mon Voltage State normal	.1.3.6.1.4.1.9.9.13.3.0.2	NA	IManagedElement	F	F	F	Cleared	F	DP 1307
cisco Env Mon Voltage State warning	.1.3.6.1.4.1.9.9.13.3.0.2	NA	IManagedElement	F	F	F	Minor	F	DP 1307
cisco Env Mon Voltage State critical	.1.3.6.1.4.1.9.9.13.3.0.2	NA	IManagedElement	F	F	T	Major	F	DP 1307
cisco Env Mon Voltage State shutdown	.1.3.6.1.4.1.9.9.13.3.0.2	NA	IManagedElement	F	F	T	Major	F	DP 1307
cisco Env Mon Voltage State notPresent	.1.3.6.1.4.1.9.9.13.3.0.2	NA	IManagedElement	F	F	F	Info	F	DP 1307
cisco Env Mon Voltage State notFunctioning	.1.3.6.1.4.1.9.9.13.3.0.2	NA	IManagedElement	F	F	T	Major	F	DP 1307

Cisco Catalyst 6500 VSS Series Switches —Additional Support

- Cisco Catalyst 6500 VSS —Supported Software Versions**

Software Version	Added in:
15.1(1)SY	DP 1307

- Cisco Catalyst 6500 VSS —Supported Technologies**

Technology	Added in:
IP	DP 1307
ARP	DP 1307
HSRP	DP 1307
GRE	DP 1307
OSPF	DP 1307
RIP	DP 1307
IS-IS	DP 1307
VRF	DP 1307

Ethernet (IEEE 802.3)	DP 1307
VLAN (IEEE 802.1q)	DP 1307
LAG (IEEE 802.3ad)	DP 1307
Ethernet Channel	DP 1307
STP (IEEE 802.1D)	DP 1307
RSTP (IEEE 802.1w)	DP 1307
PvSTP	DP 1307
PsSTP+	DP 1307
MST (IEEE 802.1s)	DP 1307
VTP	DP 1307
CFM D8.1	DP 1307
Link-OAM	DP 1307
CDP	DP 1307
LLDP	DP 1307
ACL	DP 1307

- **Cisco Catalyst 6500 VSS —Supported Modules**

Module Name	Module Description	Added in:
VS-F6K-PFC4	Policy Feature Card 4 (PFC4)	DP 1307
VS-S2T-10G with VS-F6K-MSFC5	Supervisor 2T with 2 ports 10GbE and MSFC5 PFC4	DP 1307
WS-F6K-DFC4-E	Distributed Forwarding Card 4 (DFC4)	DP 1307
WS-C6506-E-FAN	Cisco Catalyst 6506 Enhanced Chassis Fan Tray Spare	DP 1307
WS-CAC-4000W-INT	Cisco Catalyst 6500 4000W AC Power Supply for International	DP 1307
GLC-LH-SMD	1000BASE-LX/LH long-wavelength; with DOM	DP 1307
GLC-T	1000BASE-T standard	DP 1307
X2-10GB-SR	10GBASE-SR X2 (multimode fiber)	DP 1307
X2-10GB-LRM	10GBASE-LRM X2 (multimode fiber)	DP 1307

- Cisco Catalyst 6500 VSS —Supported Events and Miscellaneous Support**

Support for:	Raw Format	Added in:
Events : (Syslog) LINK-5-CHANGED	%LINK-5-CHANGED: Interface Ethernet5/1, changed state to administratively up %LINK-5-CHANGED: Interface Ethernet5/1, changed state to administratively down	DP 1307
Events : (Syslog) LINEPROTO-5-UPDOWN	%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet1/0/1, changed state to Down %LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet1/0/1, changed state to up	DP 1307

- Cisco Catalyst 6500 VSS —Supported Events**

Trap Name	Trap OID	Expedites Polling	Event Source	Correlate	Is Correlation Allowed	Auto Clear	Severity	Is Ticketable	Added in:
cefc FRU inserted	.1.3.6.1.4.1.9.9.117.2.0.3	physical-command	Imodule IPhysicalLayer	F	F	T	Clear	F	DP 1307
cefc FRU removed	.1.3.6.1.4.1.9.9.117.2.0.4	physical-command	Imodule IPhysicalLayer	T	T	T	Major	F	DP 1307
SNMP Link down	.1.3.6.1.6.3.1.1.5.3	ip interface oper status,ce-efp-status-telnet,port-status,basetech-ldp-neighbors-snmp,basetech-cdp-neighbors-snmp,ce-vfi-status-telnet,mpls-te-frr-state-telnet	IPhysicalLayer	T	T	T	Major	F	DP 1307
SNMP Link up	.1.3.6.1.6.3.1.1.5.4	ip interface oper status,ce-efp-status-telnet,port-status,basetech-ldp-neighbors-snmp,basetech-cdp-neighbors-snmp,ce-vfi-status-telnet,mpls-te-frr-state-telnet	IPhysicalLayer	F	F	F	Clear	F	DP 1307
CAS Server Dead Trap	.1.3.6.1.4.1.9.10.56.2.0.1	NA	IManagedElement	T	F	T	Major	F	DP 1307
CAS Server UP Trap	.1.3.6.1.4.1.9.10.56.2.0.1	NA	IManagedElement	F	F	F	Clear	F	DP 1307
cpssc Status is inactive	1.3.6.1.4.1.9.9.362.0.2	NA	IManagedElement	F	F	F	Info	F	DP 1307
cpssc Status is forwarding	1.3.6.1.4.1.9.9.362.0.2	NA	IManagedElement	F	F	F	Cleared	F	DP 1307

cpsec Status is trafficTypeFiltered	1.3.6.1.4.1.9.9.362.0.2	NA	IManagedElement	F	F	F	Info	F	DP 1307
cpsec Status is allTrafficFiltered	1.3.6.1.4.1.9.9.362.0.2	NA	IManagedElement	F	F	F	Info	F	DP 1307
cpsec Status is shutdown	1.3.6.1.4.1.9.9.362.0.2	NA	IManagedElement	F	F	T	Major	F	DP 1307
cisco Env Mon Voltage State normal	1.3.6.1.4.1.9.9.13.3.0.2	NA	IManagedElement	F	F	F	Cleared	F	DP 1307
cisco Env Mon Voltage State warning	1.3.6.1.4.1.9.9.13.3.0.2	NA	IManagedElement	F	F	F	Minor	F	DP 1307
cisco Env Mon Voltage State critical	1.3.6.1.4.1.9.9.13.3.0.2	NA	IManagedElement	F	F	T	Major	F	DP 1307
cisco Env Mon Voltage State shutdown	1.3.6.1.4.1.9.9.13.3.0.2	NA	IManagedElement	F	F	T	Major	F	DP 1307
cisco Env Mon Voltage State notPresent	1.3.6.1.4.1.9.9.13.3.0.2	NA	IManagedElement	F	F	F	Info	F	DP 1307
cisco Env Mon Voltage State notFunctioning	1.3.6.1.4.1.9.9.13.3.0.2	NA	IManagedElement	F	F	T	Major	F	DP 1307

Cisco Catalyst 6500 Series Switches —Additional Support

- Cisco Catalyst 6500—Supported Network Elements**

NE Type	Product Name	SysOID	Added in:
6509-V-E	Cisco Catalyst 6509 Enhanced Vertical Chassis	1.3.6.1.4.1.9.1.832	DP 1.0

- Cisco Catalyst 6500—Supported Modules**

Module Name	Module Description	Added in:
WS-SVC-WISM-1-K9	Cisco Wireless Services Module with support for up to 300 Cisco Aironet access points	DP 1.0
WS-SVC-NAM-2-250S	Network Analysis Module-2	DP 1.0

Module Name	Module Description	Added in:
WS-X6716-10GE	Cisco Catalyst 6500 Series 16-port 10 Gigabit Ethernet Module	DP 1208

- **Cisco Catalyst 6500—Supported Software Versions**

Software Version	Added in:
12.2(33)SRE5	DP 3.0

Cisco ME 6500 Series Ethernet Switches —Additional Support

- **Cisco ME 6500—Supported Technologies**

Technology	Added in:
ISIS	DP 1.0

Cisco Nexus 1000v Series Switches—Additional Support

- **Cisco Nexus 1000—Supported Network Elements**

NE Type	Product Name	SysOID	Added in:
Cisco Nexus 1000v	Nexus 1000v	.1.3.6.1.4.1.9.12.3.1.3.840	DP 1.0
Cisco Nexus 1010	Cisco Nexus 1010 Virtual Services Appliance	.1.3.6.1.4.1.9.12.3.1.3.907	DP 1209

- **Cisco Nexus 1000v—Supported Software Versions**

Software Version	Added in:
4.2(1)SV1(5.1)	DP 1.0
4.2(1)SV1(5.1a)	DP 1301

- **Cisco Nexus 1000v—Supported Technologies**

Technology	Added in:
Bridges	DP 1208
VALN	DP 1208

Cisco Nexus 3000 Series Switches—Additional Support

- **Cisco Nexus 3000—Supported Network Elements**

NE Type	Product Name	SysOID	Added in:
N3K-C3048TP-1GE	cisco Nexus C3048TP Switch Chassis	1.3.6.1.4.1.9.12.3.1.3.1106	DP 1208
N3K-C3064PQ-10GX	Cisco Nexus 3064 Switch	1.3.6.1.4.1.9.12.3.1.3.1163	DP 1209

- **Cisco Nexus 3000—Supported Technologies**

Technology	Added in:
Bridges	DP 1208
VALN	DP 1208
Port Channel	DP 1208
CDP	DP 1208
IP Interfaces	DP 1208
Routing	DP 1208
ARP	DP 1208
VRF	DP 1209
MPBGP	DP 1209

- **Cisco Nexus 3000—Supported Modules**

Module Name	Module Description	Added in:
N3K-C3048-FAN	Nexus 3048 Fan Module, Forward airflow (port side exhaust)	DP 1208
N3K-C3048-FAN-B	Nexus 3048 Fan Module, Reversed airflow (port side intake)	DP 1208
N3K-C3064-FAN	Nexus 3064 Fan Module, Forward airflow (port side exhaust)	DP 1209
N3K-C3064-FAN-B	Nexus 3064 Fan Module, Reversed airflow (port side intake)	DP 1209

SFP-H10GB-CU1M	10GBASE-CU SFP+ cable 1m (Twinax cable)	DP 1209
SFP-H10GB-CU3M	10GBASE-CU SFP+ cable 3m (Twinax cable)	DP 1209
N2200-PAC-400W	N2K/3K 400W AC Power Supply, Forward airflow (port side exhaust)	DP 1209
N2200-PAC-400W-B	N2K/3K 400W AC Power Supply, Reversed airflow (port side intake)	DP 1209

Cisco Nexus 5000 Series Switches—Additional Support

- Cisco Nexus 5000—Supported Network Elements**

NE Type	Product Name	SysOID	Added in:
N5K-C5548P-FA	Cisco Nexus 5548P Switch Chassis	1.3.6.1.4.1.9.12.3.1.3.1008	DP 1206
N5K-C5548UP-FA	Cisco Nexus 5548UP Switch Chassis	1.3.6.1.4.1.9.12.3.1.3.1084	DP 1206

- Cisco Nexus 5000—Supported Technologies**

Technology	Added in:
Port Channel	DP 1207
VLAN	DP 1207
MPBGP	DP 1208
VRF	DP 1208

- Cisco Nexus 5000—Supported Software Versions**

Software Version	Added in:
5.0(2)N1(1)	DP 1.0
5.0(2)N2(1)	DP 1.0
5.0(2)N2(1)	DP 2.0
5.0(2)N1(1)	DP 2.0

- **Cisco Nexus 5000—Supported Modules**

Module Name	Module Description	Added in:
N55-PAC-750W	Cisco Nexus 5548P/5548UP PSU Front-to-Back Airflow module spare, A/C, 100-240V, 750W	DP 1206
N5548P	Cisco Nexus 5548P/5548UP Fan Module, Front-to-Back Airflow, Spare	DP 1206

- **Cisco Nexus 5000—Supported Events and Miscellaneous Support**

Support for:	Added in:
Events (Syslogs): L3VM-5-FP_TPG_INTF_DOWN, L3VM-5-FP_TPG_INTF_UP, VPC-2-VPC_CORE_PORT_FPATH_BUP_FAILED, VPC-2-VPC_PEER_LINK_FPATH_BUP_FAILED, FABRICPATH-2-FABRICPATH_LINK_BRINGUP_STALLED_STATIC, FABRICPATH-6-FABRICPATH_LINK_BRINGUP_STALLED_CLEARED	DP 1208

Cisco Nexus 7000 Series Switches—Additional Support

- **Cisco Nexus 7000—Supported Network Elements**

NE Type	Product Name	SysOID	Added in:
N7K-C7009	Cisco Nexus 7000 Series 09 Slot Chassis	.1.3.6.1.4.1.9.12.3.1.3.932	DP 1207

- **Cisco Nexus 7000—Supported Software Versions**

Software Version	Added in:
NX-OS 5.2(X)	DP 2.0
NX-OS 6.0(X)	DP 2.0
NX-OS 6.1(1)	DP 1208
NX-OS 6.1.2	DP 1301

- **Cisco Nexus 7000—Supported Events**

Events	Added in:
cross-bar-fabric insert, cross-bar-fabric remove	DP 1.0
FAN_DETECT, FAN_REMOVED	DP 1.0

Events	Added in:
linecard insert, linecard remove	DP 1.0
PS_FOUND, PS_REMOVE	DP 1.0

- **Cisco Nexus 7000— Supported Technologies**

Technology	Added in:
Multi Chassis	DP 1206

- **Cisco Nexus 7000—Supported Modules**

Module Name	Module Description	Added in:
N2K-C2248TP-1GE	Cisco Nexus 2000 Series 1GE Fabric Extender, 2 AC PS, 1 Fan Module (Standard Airflow), 48x100/1000Base-T + 4x10GE (req SFP+), same as N2K-C2248TP	DP 1.0
N7K-C7010-FAB-2	Cisco Nexus 7000 10-Slot Chassis 110Gbps/Slot Fabric Module (and Spare)	DP 1206
N7K-F248XP-25	Fan Module 1- N7K-C7009-FAN	DP 1206
N7K-C7009-FAB-2	Fabric card module	DP 1207
N7K-F248XP-25	Fan Module 1- N7K-C7009-FAN	DP 1207
N7K-M148GT-11L	Nexus 7000 – 10/100/1000 Mbps Ethernet XL Module	DP 1207
N7K-F132XP-15	Nexus 7000 – 32 Port 1G/10G Ethernet Module, SFP/SFP+	DP 1207
N7K-M108X2-12	N7K-M108X2-12L Adeliade-XL	DP 1207
N7K-M108X2-12L	Nexus 7000 – 8 Port 10GbE with XL option (req. X2)	DP 1207
N7K-AC-6.0kW	PowerSupply Module 1 – N7K-AC-6.0KW	DP 1207
N7K-C7009-FAN	Nexus7000 C7009 (9 Slot) Chassis Fan Module	DP1207
N7K-C7018-FAB-2	Fabric card module	DP 1208
N7K-SUP2E	Supervisor module-2	DP 1210
N7K-M224XP-23L	10 Gbps Ethernet Module	DP 1210
N2K-C2248TP-E-1GE	N2K 1GE FEX, 1PS, 1 Fan Module, 48x1G-BaseT+4x10GE (req SFP+)	DP 1301

- **Cisco Nexus 7000—Supported Events and Miscellaneous Support**

Support for:	Added in:
Events (Syslogs): VPC-2-PEER_KEEP_ALIVE_SEND_FAIL, VPC-2-PEER_KEEP_ALIVE_RECV_FAIL, VPC-3-GLOBAL_CONSISTENCY_FAILED, VPC-5-GLOBAL_CONSISTENCY_SUCCESS, VPC-5-PEER_KEEP_ALIVE_RECV_SUCCESS, VPC-4-VPC_PEER_ROLE_CHANGE, VPC-5-VPC_PEER_LINK_UP, VPC-5-PEER_KEEP_ALIVE_SEND_SUCCESS, VPC-3-VPC_PEER_LINK_DOWN	DP 1206
Events (Syslogs) :VPC-3-INTF_CONSISTENCY_FAILED, VPC-5-INTF_CONSISTENCY_SUCCESS,VPC-6-PEER_VPC_UP, VPC-6-PEER_VPC_DOWN, VPC-5-VPC_UP, VPC-5-VPC_DOWN, VPC-5-VPCM_ENABLED,VPC-5-VPCM_DISABLED	DP 1207
Events: (Syslogs): L3VM-5-FP_TPG_INTF_DOWN, L3VM-5-FP_TPG_INTF_UP, VPC-2-VPC_CORE_PORT_FPATH_BUP_FAILED, VPC-2-VPC_PEER_LINK_FPATH_BUP_FAILED, FABRICPATH-2-FABRICPATH_LINK_BRINGUP_STALLED_STATIC, FABRICPATH-6-FABRICPATH_LINK_BRINGUP_STALLED_CLEARED	DP 1208
Events: (Syslogs): ETHPORT-5-IF_DOWN, ETHPORT-5-IF_UP	DP 1209

New Support for Cisco Data Center Switches

The following new support is available for Cisco Data Center switches.

Cisco UCS 61xx Series Switches— Additional Support

- **Cisco UCS 61xx Series Switches —Supported Network Elements**

NE Type	Product Name	SysOID	Added in:
Cisco UCS 6140XP	Cisco UCS 6140XP 40-Port Fabric Interconnects	1.3.6.1.4.1.9.12.3.1.3.899	DP 1208
Cisco UCSFI6248UP	Cisco UCS 6248UP 48-Port Fabric Interconnect	1.3.6.1.4.1.9.12.3.1.3.1062	DP 1208

- **Cisco UCS 61xx Series Switches — Supported Technologies**

Technology	Added in:
Multi Context	DP 1208

- **Cisco UCS 61xx Series Switches — Supported Chassis**

Chassis Name	Chassis Description	Added in:
Cisco UCS C210 M2	Cisco UCS C210 General Purpose Rack Server	DP 1209

New Support for Cisco Adaptive Security Appliances

The following new support is available for Cisco Adaptive Security Appliances (ASA).

Cisco ASA 5500-X Series Next-Generation Firewalls — Additional Support

- **Cisco ASA 5500-X Series Next-Generation Firewalls—Supported Network Elements**

NE Type	Product Name	SysOID	Added in:
CiscoASA5585Ssp40	Cisco ASA-5585 Adaptive Security Appliance	.1.3.6.1.4.1.9.1.1196	DP 1307
CiscoASA5585Ssp60	Cisco ASA-5585 Adaptive Security Appliance	.1.3.6.1.4.1.9.1.1197	DP 1307
CiscoASA5585Ssp40sc	Cisco ASA-5585 Adaptive Security Appliance Security Context	.1.3.6.1.4.1.9.1.1200	DP 1307
CiscoASA5585Ssp60sc	Cisco ASA-5585 Adaptive Security Appliance Security Context	.1.3.6.1.4.1.9.1.1201	DP 1307

- **Cisco ASA 5500-X Series Next-Generation Firewalls —Supported Software Versions**

Software Version	Added in:
8.4.6	DP 1307

- **Cisco ASA 5500-X Series Next-Generation Firewalls — Supported Technologies**

Technology	Added in:
IP	DP 1307
ARP	DP 1307
Ethernet (IEEE 802.3)	DP 1307
VLAN Tagging (IEEE 802.1q)	DP 1307
LAG (IEEE 802.3ad)	DP 1307

Ethernet Channel**	DP 1307
Bridges	DP 1307

- Cisco ASA 5500-X Series Next-Generation Firewalls —Supported Modules**

Module Name	Module Description	Added in:
ASA-SSP-60-INC	Cisco ASA 5585-X Security Services Processor-60 (SSP-60)	DP 1307
ASA-SSP-40-INC	Cisco ASA 5585-X Security Services Processor-40 (SSP-40)	DP 1307
ASA5585-PWR-AC	ASA 5585-X Spare AC Power Supply	DP 1307
ASA5585-PWR-DC	ASA 5585-X Spare DC Power Supply	DP 1307
GLC-LH-SMD	1000BASE-LX/LH long-wavelength; with DOM	DP 1307
SFP-10G-LR=	10GBASE-LR SFP+, 1310nm, 10km over SMF, DOM support	DP 1307

- Cisco ASA 5500-X Series Next-Generation Firewalls —Supported Events and Miscellaneous Support**

Support for:	Raw Format	Added in:
Events : (Syslog) LINK-5-CHANGED	%LINK-5-CHANGED: Interface Ethernet5/1, changed state to administratively up %LINK-5-CHANGED: Interface Ethernet5/1, changed state to administratively down	DP 1307
Events : (Syslog) FAILOVER-ACTIVE	%ASA-1-104001: (Primary) Switching to ACTIVE - Set by the config command. %ASA-1-104001: (Secondary) Switching to ACTIVE - Other unit wants me Active. Primary unit switch reason: Set by the config command. %ASA-1-104001: (Primary_group_1) Switching to ACTIVE - Set by the config command. %ASA-1-104001: (Primary_group_2) Switching to ACTIVE - Other unit wants me Active. Secondary unit switch reason: Set by the config command.	DP 1307
Events : (Syslog) FAILOVER-STANDBY	%ASA-1-104002: (Primary) Switching to STANDBY - Set by the config command. %ASA-1-104002: (Secondary) Switching to STANDBY - Other unit wants me Standby. Primary unit switch reason: Set by the config command. %ASA-1-104002: (Primary_group_1) Switching to STANDBY - Set by the config command. %ASA-1-104002: (Primary_group_2) Switching to STANDBY - Other unit wants me Standby. Secondary unit switch reason: Set by the config command	DP 1307

Events : (Syslog) FAILOVER-MANAGEMENT	%ASA-1-104002: (Primary) Switching to MANAGEMENT - Set by the config command. %ASA-1-104002: (Secondary) Switching to MANAGEMENT - Other unit wants me Standby. Primary unit switch reason: Set by the config command. %ASA-1-104002: (Primary_group_1) Switching to MANAGEMENT - Set by the config command. %ASA-1-104002: (Primary_group_2) Switching to MANAGEMENT - Other unit wants me Standby. Secondary unit switch reason: Set by the config command	DP 1307
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- Cisco ASA 5500-X Series Next-Generation Firewalls —Supported Traps**

Trap Name	Trap OID	Expedites Polling	Event Source	Correlate	Is Correlation Allowed	Auto Clear	Severity	Is Ticketable	Added in:
ceSensorExtThresholdNotification trap	1.3.6.1.4.1.9.9.745.0.1	NA	IManagedElement	F	F	F	Critical	T	DP 1307
clrResourceLimitReached trap	1.3.6.1.4.1.9.9.480.0.1	NA	IManagedElement	F	F	F	Critical	T	DP 1307
cpmCPURisingThreshold trap	1.3.6.1.4.1.9.9.109.2.0.1	NA	IManagedElement	F	F	F	Critical	T	DP 1307
mteTriggerFired trap	1.3.6.1.2.1.88.2.0.1	NA	IManagedElement	F	F	F	Critical	T	DP 1307
entConfigChange trap	1.3.6.1.2.1.47.2.0.1	NA	IManagedElement	F	F	T	Info	F	DP 1307
SNMP Link up	1.3.6.1.6.3.1.1.5.4	IPortLayer 1	IPhysicalLayer	F	F	F	Clear	F	DP 1307
SNMP Link down	1.3.6.1.6.3.1.1.5.3	IPortLayer 1	IPhysicalLayer	T	T	T	Major	F	DP 1307
coldStart trap	1.3.6.1.6.3.1.1.5.1	NA	IManagedElement	F	T	F	Info	T	DP 1307
warmStart trap	1.3.6.1.6.3.1.1.5.2	NA	IManagedElement	F	F	F	Minor	T	DP 1307
authenticationFailure trap	1.3.6.1.6.3.1.1.5.5	NA	IManagedElement	F	F	F	Info	F	DP 1307

Cisco Integrated Services Routers Intrusion Prevention System (IPS) Module— Additional Support

- **Cisco ASA 5500-X Series IPS—Supported Network Elements**

NE Type	Product Name	SysOID	Added in:
CiscoASA5585Ssplps60	Cisco ASA 5585-X Integrated Edition SSP-60 IPS SSP-60 Bundle	.1.3.6.1.4.1.9.1.1235	DP 1307

- **Cisco ASA 5500-X Series IPS —Supported Software Versions**

Software Version	Added in:
7.1.1	DP 1307
7.2.4	DP 1307

- **Cisco ASA 5500-X Series IPS —Supported Soft Properties**

Soft Property	Added in:
cidsHealthSecMonAvailability	DP 1307
cidsHealthSecMonOverallHealth	DP 1307
cidsHealthSecMonSoftwareVersion	DP 1307
cidsHealthSecMonSignatureVersion	DP 1307
cidsHealthSecMonLicenseStatus	DP 1307
cidsHealthSecMonMainAppStatus	DP 1307
cidsHealthSecMonAnalysisEngineStatus	DP 1307
cidsHealthSecMonCollaborationAppStatus	DP 1307
cidsHealthSecMonByPassMode	DP 1307
cidsHealthSecMonMissedPktPctAndThresh	DP 1307
cidsHealthSecMonAnalysisEngMemPercent	DP 1307
cidsHealthSecMonSensorLoad	DP 1307
cidsHealthSecMonVirtSensorName	DP 1307
cidsHealthSecMonVirtSensorStatus	DP 1307
cidsHealthSecMonPartitionName	DP 1307
cidsHealthSecMonTotalPartitionSpace	DP 1307

- **Cisco ASA 5500-X Series IPS —Supported Modules**

Module Name	Module Description	Added in:
ASA-IPS-60-INC-K9	Cisco ASA 5585-X IPS Security Services Processor-60 (SSP-60)	DP 1307
ASA-IPS-40-INC-K9	Cisco ASA 5585-X IPS Security Services Processor-40 (SSP-40)	DP 1307

- **Cisco ASA 5500-X Series IPS —Supported Events and Miscellaneous Support**

Support for:	Added in:
Events : (Trap) errWarning	DP 1307
Events : (Trap) UnClassified Error	DP 1307
Events : (Trap) Transport Error	DP 1307

- **Cisco ASA 5500-X Series IPS —Supported Traps**

Trap Name	Trap OID	Expedites Polling	Event Source	Correlate	Is Correlation Allowed	Auto Clear	Severity	Is Ticketable	Added in:
errAuthenticationTokenExpired	1.3.6.1.4.1.9.9.383.0.2.1	NA	IManagedElement	T	T	F	Minor	T	DP 1307
errConfigCollision	1.3.6.1.4.1.9.9.383.0.2.2	NA	IManagedElement	T	T	F	Minor	T	DP 1307
errInUse	1.3.6.1.4.1.9.9.383.0.2.3	NA	IManagedElement	T	T	F	Major	T	DP 1307
errInvalidDocument	1.3.6.1.4.1.9.9.383.0.2.4	NA	IManagedElement	T	T	F	Major	T	DP 1307
errLimitExceeded	1.3.6.1.4.1.9.9.383.0.2.5	NA	IManagedElement	T	T	F	Major	T	DP 1307
errNotAvailable	1.3.6.1.4.1.9.9.383.0.2.6	NA	IManagedElement	T	T	F	Critical	T	DP 1307
errNotFound	1.3.6.1.4.1.9.9.383.0.2.7	NA	IManagedElement	T	T	F	Major	T	DP 1307
errNotSupported	1.3.6.1.4.1.9.9.383.0.2.8	NA	IManagedElement	T	T	F	Minor	T	DP 1307

errPermissionDenied	1.3.6.1.4.1.9.9.383.0.2.9	NA	IManagedElement	T	T	F	Major	T	DP 1307
errSystemError	1.3.6.1.4.1.9.9.383.0.2.11	NA	IManagedElement	T	T	F	Minor	T	DP 1307

New Support for Event-Based Polling (Reduced Polling)

Support for event-based polling (also called reduced polling) is available for the following devices.

Note: The DP Readme may contain additional information about any necessary configurations you must perform. Be sure to check the Readme for this information.

Device Series	Added in:
ASR 901	DP 1.0
Nexus 70xx	DP 1.0
Nexus 1000v	DP 2.0
CRS 16 VE	DP 4.0
Nexus 3000	DP 1208
Nexus 1000	DP 1209

New Support for Change and Configuration Management

Support for Change and Configuration Management is available for the following devices.

Device Series	Software Release	Software Version	Functionality Supported	Added in:
Nexus 7000	NX-OS	5.2(X)	Full support for all features	DP 2.0
Nexus 5000	NX-OS	5.0(2)N2(1) 5.0(2)N1(1)	Full support for all features	DP 2.0
ASR 9000	IOS XR	XR 4.2.3, XR 4.3.0	Full support for all features	DP 1305
CRS	IOS XR	XR 4.2.3, XR 4.3.0	Full support for all features	DP 1305
Cisco 6500VSS	IOS	15.1(1)SY	Full support for all features	DP 1307
Catalyst 3560	IOS	15.0(2)SE1	Full support for all features	DP 1307

Driver Files Provided Per DP Release

The following table provides a cumulative list of the device driver updates per device package. “DP 0” corresponds to the base release of Cisco Prime Network 3.8.

Support for	Provided in	Device Driver File Name
Cisco-100xx	DP 0	Cisco-100xx-v2.0.0.0.jar
	DP 1.0	Cisco-100xx-v2.0.1.0.jar
Cisco-12xxx XR	DP 0	Cisco-12xxx-v2.0.0.0.jar
	DP 1.0	Cisco-12xxx-v2.1.0.0.jar
	DP 2.0	Cisco-12xxx-v2.2.0.0.jar
	DP 3.0	Cisco-12xxx-v2.2.1.0.jar
Cisco-3400ME	DP 0	Cisco-3400ME-v2.0.0.0.jar
	DP 1.0	Cisco-3400ME-v2.0.1.0.jar
Cisco-3750ME	DP 0	Cisco-3750ME-v2.0.0.0.jar
	DP 1.0	Cisco-3750ME-v2.1.0.0.jar
Cisco-45xx	DP 0	Cisco-45xx-v2.0.0.0.jar
	DP 1.0	Cisco-45xx-v2.1.0.0.jar
Cisco-49xx	DP 0	Cisco-49xx-v2.0.0.0.jar
	DP 1.0	Cisco-49xx-v2.1.0.0.jar
Cisco-70xx	DP 0	cisco-70xx-v2.0.0.0.jar
	DP 1.0	cisco-70xx-v2.1.0.0.jar
	DP 3.0	cisco-70xx-v2.1.1.0.jar
Cisco-76xx_65xxIOS	DP 0	Cisco-76xx_65xxIOS-v2.0.0.0.jar
	DP 1.0	Cisco-76xx_65xxIOS-v2.1.0.0.jar
	DP 2.0	Cisco-76xx_65xxIOS-v2.2.0.0.jar
	DP 3.0	Cisco-76xx_65xxIOS-v2.3.0.0.jar
Cisco-ACE4710	DP 0	Cisco-ACE4710-v2.0.0.0.jar
Cisco-ASA5000	DP 0	Cisco-asa55xx-v2.0.0.0.jar
Cisco-ASR10xx	DP 0	Cisco-ASR10xx-v2.0.0.0.jar
	DP 1.0	Cisco-ASR10xx-v2.1.0.0.jar
Cisco-ASR50xx	DP 0	Cisco-ASR5000-v2.0.0.0.jar
	DP 1.0	Cisco-ASR5000-v2.1.0.0.jar
	DP 2.0	Cisco-ASR5000-v2.2.0.0.jar
	DP 3.0	Cisco-ASR5000-v2.3.0.0.jar
Cisco-ASR90xx	DP 0	Cisco-ASR90xx-v2.0.0.0.jar
	DP 1.0	Cisco-ASR90xx-v2.1.0.0.jar
	DP 2.0	Cisco-ASR90xx-v2.2.0.0.jar
	DP 3.0	Cisco-ASR90xx-v2.2.1.0.jar
Cisco-ASR90x	DP 1.0	Cisco-RUDY-v2.0.0.0.jar
	DP 2.0	Cisco-ASR903-v2.0.0.0.jar
Cisco-CPT	DP 0	Cisco-CPT-v2.0.0.0.jar
	DP 1.0	Cisco-CPT-v2.1.0.0.jar
	DP 2.0	Cisco-CPT-v2.2.0.0.jar
	DP 3.0	Cisco-CPT-v2.3.0.0.jar

Support for	Provided in	Device Driver File Name
Cisco-CRS	DP 0	Cisco-CRS-v2.0.0.0.jar
	DP 1.0	Cisco-CRS-v2.1.0.0.jar
	DP 2.0	Cisco-CRS-v2.2.0.0.jar
	DP 3.0	Cisco-CRS-v2.2.1.0.jar
Cisco-Commons	DP 0	Cisco-Commons-v2.0.0.0.jar
	DP 1.0	Cisco-Commons-v2.1.0.0.jar
	DP 2.0	Cisco-Commons-v2.2.0.0.jar
	DP 3.0	Cisco-Commons-v2.3.0.0.jar
Cisco-IOX-Commons	DP 0	Cisco-IOX-Commons-v2.0.0.0.jar
	DP 1.0	Cisco-IOX-Commons-v2.1.0.0.jar
	DP 2.0	Cisco-IOX-Commons-v2.2.0.0.jar
	DP 3.0	Cisco-IOX-Commons-v2.2.1.0.jar
Cisco-ISR19xx	DP 0	Cisco-ISR19xx-v2.0.0.0.jar
	DP 1.0	Cisco-ISR19xx-v2.1.0.0.jar
Cisco-ISR29xx	DP 0	Cisco-ISR29xx-v2.0.0.0.jar
	DP 1.0	Cisco-ISR29xx-v2.1.0.0.jar
Cisco-ISR39xx	DP 0	Cisco-ISR39xx-v2.0.0.0.jar
Cisco-ME36XX-ME38XX	DP 0	Cisco-ME36XX-ME38XX-v2.0.0.0.jar
	DP 1.0	Cisco-ME36XX-ME38XX-v2.1.0.0.jar
Cisco-MWR29xx	DP 0	Cisco-MWR29xx-v2.0.0.0.jar
	DP 1.0	Cisco-MWR29xx-v2.1.0.0.jar
	DP 3.0	Cisco-MWR29xx-v2.2.0.0.jar
Cisco-Modules	DP 0	Cisco-Modules-v2.0.0.0.jar
	DP 2.0	Cisco-Modules-v2.2.0.0.jar
	DP 3.0	Cisco-Modules-v2.2.1.0.jar
Cisco-NCCM All Devices	DP 0	Cisco-NCCM_Core-v2.0.0.0.jar
	DP 1.0	Cisco-NCCM_Core-v2.1.0.0.jar
	DP 2.0	Cisco-NCCM_Core-v2.2.0.0.jar
Cisco-NCCM XR Devices	DP 0	Cisco-NCCM_IOX-v2.0.0.0.jar
	DP 1.0	Cisco-NCCM_IOX-v2.1.0.0.jar
Cisco-Nexus10xx	DP 1.0	Cisco-Nexus-10xx-v2.0.0.0.jar
	DP 2.0	Cisco-Nexus-10xx-v2.2.0.0.jar
Cisco-Nexus50xx	DP 0	Cisco-Nexus50xx-v2.0.0.0.jar
	DP 1.0	Cisco-Nexus50xx-v2.1.0.0.jar
	DP 2.0	Cisco-Nexus50xx-v2.2.0.0.jar
	DP 3.0	Cisco-Nexus50xx-v2.2.1.0.jar
Cisco-Nexus70xx	DP 0	Cisco-Nexus70xx-v2.0.0.0.jar
	DP 1.0	Cisco-Nexus70xx-v2.1.0.0.jar
	DP 2.0	Cisco-Nexus70xx-v2.2.0.0.jar
	DP 3.0	Cisco-Nexus70xx-v2.2.1.0.jar
Cisco-Others	DP 0	Cisco-Others-v2.0.0.0.jar
	DP 1.0	Cisco-Others-v2.1.0.0.jar
	DP 2.0	Cisco-Others-v2.2.0.0.jar
	DP 3.0	Cisco-Others-v2.3.0.0.jar
Cisco-UBR100xx	DP 0	Cisco-UBR100xx-v2.0.0.0.jar
	DP 1.0	Cisco-UBR100xx-v2.1.0.0.jar
Cisco-UBR72xx	DP 0	Cisco-UBR72xx-v2.0.0.0.jar
Cisco-UCS	DP 0	Cisco-ucs-v2.0.0.0.jar

Support for	Provided in	Device Driver File Name
Generic-ICMP	DP 0	Generic-ICMP-v2.0.0.0.jar
Mib2	DP 0	Mib2-v2.0.0.0.jar
	DP 1.0	Mib2-v2.1.0.0.jar

Appendix - IOS XE and IOS Version Map

The following table to list the IOS XE version to IOS equivalent software version mapping

Cisco IOS XE Version	Cisco IOS version
3.1.0S	15.0(1)S
3.1.1S	15.0(1)S1
3.1.2S	15.0(1)S2
3.1.3S	15.0(1)S3
3.1.4S	15.0(1)S4
3.1.4aS	15.0(1)S4a
3.1.5S	15.0(1)S5
3.1.6S	15.0(1)S6
3.2.0S	15.1(1)S
3.2.1S	15.1(1)S1
3.2.2S	15.1(1)S2
3.3.0S	15.1(2)S
3.3.1S	15.1(2)S1
3.3.2S	15.1(2)S2
3.4.0S	15.1(3)S
3.4.0aS	15.1(3)S0a
3.4.1S	15.1(3)S1
3.4.2S	15.1(3)S2
3.4.3S	15.1(3)S3
3.4.4S	15.1(3)S4
3.4.5S	15.1(3)S5
3.4.6S	15.1(3)S6
3.5.0S	15.2(1)S
3.5.1S	15.2(1)S1

Cisco IOS XE Version	Cisco IOS version
3.5.2S	15.2(1)S2
3.6.0S	15.2(2)S
3.6.1S	15.2(2)S1
3.6.2S	15.2(2)S1
3.7.0S	15.2(4)S
3.7.1S	15.2(4)S1
3.7.2S	15.2(4)S2
3.7.3S	15.2(4)S3
3.7.4S	15.2(4)S4
3.7.5S	15.2(4)S5
3.7.6S	15.2(4)S6
3.8.0S	15.3(1)S
3.8.1S	15.3(1)S1
3.8.2S	15.3(1)S2
3.9.0S	15.3(2)S
3.9.1S	15.3(2)S1
3.9.2S	15.3(2)S2
3.10.0S	15.3(3)S
3.10.1S	15.3(3)S1
3.10.2S	15.3(3)S2
3.10.3S	15.3(3)S3
3.10.4S	15.3(3)S4
3.10.5S	15.3(3)S5
3.10.6S	15.3(3)S6
3.10.7S	15.3(3)S7