



Cisco Prime Performance Manager 1.0 Release Notes

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These release notes support the Cisco Prime Performance Manager 1.0 release, including the 1.0.1, 1.0.2, and 1.0.3 patch releases.

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Introduction

Cisco Prime Performance Manager is a simple-to-deploy and easy-to-use, unified management system that helps you monitor an all-Cisco or multi-vendor and multi-technology network. It allows you to view reports and perform administrative tasks, using a Web 2.0 user interface.

Prime Performance Manager is an integral part of the Cisco Prime product family. You can use it with Cisco Active Network Abstraction (Cisco ANA) 3.7.3 and 3.7.2 to provide a seamless user experience to view performance reports, integrated with network and service topologies.

**Note**

Cisco ANA will become Cisco Prime Network in a future release. In preparation for that transition, Prime Performance Manager has integrated Prime Network terminology into the GUI. For more information about Cisco Prime Network, contact your Cisco Account representative.

Cisco Prime Performance Manager:

- Collects network performance information and generates statistics on delay, jitter, and packet loss in a packet network.
- Monitors performance statistics for IP/MPLS, Carrier Ethernet, and mobile backhaul networks. Over 700 predefined reports are available.
- Allows you to integrate and install cross-launch scripts on Cisco ANA 3.7.3 or 3.7.2 gateways. This enables you to launch Cisco Prime Performance Manager reports from the Cisco ANA GUI.
- Synchronizes device lists, credentials, and business tags from Cisco ANA.
- Provides a simple administrative interface that allows you to manage gateways and units, assign devices to units, administer autodiscovery, manage users, administer reports, and other tasks.
- Reduces time to troubleshoot and recover from problems that affect service.

For detailed information on Cisco Prime Performance Manager features, see the [Cisco Prime Performance Manager 1.0 User Guide](#).

For information on prerequisites, system requirements, and installation, see the [Cisco Prime Performance Manager 1.0 Quick Start Guide](#) and the Readme file that is provided with the Cisco Prime Performance Manager distribution.

Features and Benefits

Cisco Prime Performance Manager features and benefits include:

- Carrier class scale—Cisco Prime Performance Manager can manage 16,000 devices with up to 1.1 million interfaces and 50 GUI clients. Cisco Prime Performance Manager is designed for low startup and administrative costs that support Cisco Unified Computing System (UCS), Linux, VMware.

The Cisco Prime Performance Manager embedded database eliminates third-party license and maintenance costs. Its distributed architecture provides reliability, deployment flexibility, and horizontal scaling to grow with the network.

- Prepackaged reports—Cisco Prime Performance Manager can generate more than 700 prepackaged reports on a wide range of network services, technologies, and devices.

These reports provide visibility into the network and service performance characteristics of core, aggregation, and access network devices. Reports are automatically generated and do not require complex customization or configuration.

- Data collection and processing—Cisco Prime Performance Manager standards-based data collection can be applied to any device enabled for Simple Network Management Protocol (SNMP).

You can generate summarized reports in 5-minute, 15-minute, hourly, or daily intervals and view them using the Cisco Prime Performance Manager web interface. You can also generate these reports as comma-separated value (CSV) data files for integration with a third-party OSS.

- Multi-technology support—Cisco Prime Performance Manager supports many network services, technologies, and devices. It facilitates proactive service assurance by allowing you to quickly detect network congestion and other issues.

Downloading the Cisco Prime Performance Manager 1.0.3 Patch Release

Before you install the patch, review the following notes:

- Prime Performance Manager 1.0.3 is a patch release; it cannot be used to install a new system.
- The 1.0.3 patch must be applied to an existing Prime Performance Manager 1.0.1 or 1.0.2 installation.
- For distributed 1.0.1 or 1.0.2 installations, install the patch on every gateway and unit server.
- During the upgrade, data tables for the following reports are dropped because the report data and design were restructured. 1.0.1 and 1.0.2 report data will be lost. All other data will be preserved.
 - DWDMFEC
 - DWDMMLBC
 - DWDMOPR
 - DWDMOPT
 - ETHERNET_DOT3
 - OTNPATH
 - OTNSECTION
 - SONETLINE
 - SONETPATH
 - SONETSECTION

To install the patch:

Step 1 Download ppm103-patch-fcs.zip to a /tmp directory or other location:

- a. Log into the Cisco Prime Performance Manager website:
<http://www.cisco.com/go/performance>
- b. On the Cisco Prime Performance Manager website, click **Support**.
- c. In the Downloads area Find box, enter **Cisco Prime Performance Manager 1.0**.
- d. In the Download Software page, click **Download Now** next to the ppm103-patch-fcs.zip.

- e. On the Download Cart confirmation page, click **Proceed With Download** and download the file to a temporary location.

Step 2 Enter the following commands to install the patch:

```
unzip ppm103-patch-fcs.zip
```

```
cd ppm103-patch-fcs
```

```
./setup.sh
```

If you installed cross-launch points to Cisco ANA 3.7.3 or 3.7.2, enter the following command to pick up the new cross launch points:

```
/opt/CSCOppm-gw/bin/ppm crosslaunch install
```



Note

If you upgraded from Prime Performance Manager 1.0.1 and previously integrated with Cisco ANA on a non standard port, you must reconfigure the integration with a standard port. To do this, Prime Performance Manager Administration tab, click **Administrative > Prime Network** then reinstall the integration using the Import Inventory and Install Cross Launch buttons.

Cisco Prime Performance Manager 1.0.3 Enhancements

Cisco Prime Performance Manager 1.0.3 report enhancements include:

- Report enhancements:
 - DragonWave microwave backhaul reports.
 - Change Ethernet Virtual Connection (EVC) report titles to Ethernet Flow Point (EFP).
 - Layer 2 VPN reports
- Optical transport:
 - IPoDWDM Reports: support for Cisco 7600 Series routers and Cisco CRS.
 - DS-3 and OC-12 reports.
 - Additional parameters for Ethernet errors.
 - Ethernet Reports: POS, COS, and LEX-GFP.
 - TDM Reports: SDH.
 - Align optical report names with Cisco Transport Manager.
 - Monitoring of RX/TX optical power for the Cisco 7600 Series routers.
 - Support valid negative values in graphs.
 - Support standard SONET-MIB reports for DWDM reports on ONS platforms
 - Reports for DS1/E1 cards from CISCO-DS1-EXT-MIB and DS1-MIB.

Devices supported by Cisco Prime Performance Manager 1.0.3 include:

- Cisco 7200 and 7300 Series Routers
- Cisco Catalyst 2960, 3750X, and 3760X Metro Series Switches

- Cisco CRS-3 Carrier Routing System
- Support for IOS-XR 4.1.1
- Updated IOS support for Cisco ME 3600X and 3800X Series Ethernet Switches

Other Cisco Prime Performance Manager 1.0.3 enhancements include:

- Automatically create hourly CSVs with all 5/15-minute files.
- Display the number of days to expiration for evaluation version.
- Support negative numbers in graphs

Cisco Prime Performance Manager 1.0.3 Fixed Caveats

Table 2 lists the Prime Performance Manager 1.0.3 fixed caveats.

Table 1 Cisco Prime Performance Manager Release 1.0.3 Fixed Caveats

Caveat	Description
CSCts81070	For strict imports, the Edit Node SNMP IP address dialog box should be disabled.
CSCtr89665	During a strict import, an unmanaged Cisco ANA node becomes active in Prime Performance Manager when the default SNMP is used.
CSCtr89636	Integration with Cisco ANA fails if the Cisco ANA SSL key changes.
CSCtr58769	Issue selecting ICMP/Cloud VNE on Cisco ANA while in maintenance mode.
CSCtr87808	Login/logout events are associated with the wrong node in the GUI.
CSCtr45064	Nodes already in maintenance mode are imported from Cisco ANA.
CSCtr45032	Cisco ANA business tags are not dynamically updated for dynamically-added devices.
CSCts11723	Super headers and graph legends in summary tables should not be sortable.
CSCtr87700	GUI row starting number is inconsistent.
CSCts15259	Web port does not update to "install cross launch" after ppm webport command is issued.
CSCts09113	XML minimized=true no longer works for dashboard reports.
CSCtr86851	Extra MIBs used lines appearing in reports help files.
CSCts43150	communities.conf is not 600 on Linux.

Cisco Prime Performance Manager 1.0.2 Enhancements

Cisco Prime Performance Manager 1.0.2 report enhancements include:

- Video monitoring
- IP SLA video operation (VO)
- IP SLA MPLS OAM: LSP ping and traceroute in VRF mode
- Class-based QoS: policy name and direction in classmap name
- Layer 3 VPN and Cisco ANA cross launch capability
- Temperature and power monitoring

- Access register: RADIUS
- Virtual Private Dialup Network (VPDN)
- Optical transport:
 - IPoDWDM
 - TDM
 - POS-RMON
 - POS-IGMP
 - POS-SONET: Error and interface statistics

Devices supported by Cisco Prime Performance Manager 1.0.2 include:

- Cisco Nexus 7000, 5000, and 2000 Series Switches
- Cisco Catalyst 3750 Metro Series Switches
- Cisco ASA 5505, 5510, 5540, 5550, and 5580 Adaptive Security Appliances

Other Cisco Prime Performance Manager 1.0.2 enhancements include:

- Dynamic notification of Cisco ANA inventory changes.
- Cisco ANA inventory import of 25,000 devices to gateway.
- Cisco ANA cross launch from VRF logical inventory.
- Cisco ANA cross launch from a subinterface in map view.
- GUI preferences to expand reports and expand summary tables on login.
- Improved visual feedback on discovery and redistribution process.
- Display the row numbers in the table report header bar during scrolling.
- Last hour choice in Duration drop down menu for 15-minute reports.
- For table display, remember the last sorted column.
- Availability of call notification script after csv.zip file.
- Real DNS name column added to Gateways/Units Summary.
- Enhanced the LDP label space display format in MPLS LDP reports.
- Removed cloud and ICMP NE from Cisco ANA integration.
- Creation of multiple CSV file versions for late arriving data.
- Availability of the *Cisco Prime Network 1.0 Integration and Customization Guide*.
- Documented port usage between gateway and units.

Cisco Prime Performance Manager 1.0.2 Fixed Caveats

Table 2 lists the Prime Performance Manager 1.0.2 fixed caveats.

Table 2 Cisco Prime Performance Manager Release 1.0.2 Fixed Caveats

Caveat	Description
CSCtq73176	Minor fixes were implemented for the Safari browser.
CSCtq68679	Online help was missing from the event and alarm properties dialog boxes

Table 2 Cisco Prime Performance Manager Release 1.0.2 Fixed Caveats (continued)

Caveat	Description
CSCto48676	The last successfully imported time was not dynamically updated.
CSCtq84349	Errors appeared when running PPM inventory tool CLI on the gateway.
CSCtq83295	Updated the Discover network icon.
CSCtr04094	Sorting was incorrect upon discovery after clicking node summary.
CSCtr03877	For reports with output type=table, no default sort column appeared.
CSCtr04727	Fixed the row numbers issue for Chrome and Safari web browsers.
CSCtr20768	Drop-down sort parameter did not change the graph summary sorting.
CSCtq63335	PPM report customization: report category became corrupted.
CSCtq63335	Report customization: repetitive error messages caused the disk to become full.
CSCtq61196	Duplicate IP addresses appeared for SNMP in the Node Detail tab.
CSCtq75473	Algorithmic errors occurred when loading user capability.
CSCtq53393	Deleted unit appeared in the GUI after the gateway was restarted.
CSCtq85436	A changed web port did not work after SSL was enabled.
CSCtr05206	IP SLA reports had the wrong column name in the graph customization window.
CSCtq61819	A report's CSV view open failed and an popup error appeared in Internet Explorer.
CSCtq56030	The URL on the report help page did not change to https when SSL was enabled.
CSCtr26575	ONS TL1 credentials should not be needed.
CSCtq92064	A data range error message displayed the wrong number.
CSCtr68159	Inconsistent summary table default when sorting.
CSCtr68150	No scroll bar appeared in report tables for Firefox 5.

Cisco Prime Performance Manager 1.0.1 Enhancements

Cisco Prime Performance Manager 1.0.1 enhancements include:

- Support for Cisco XR 12000 Series Routers, Cisco Catalyst 3750E and 6000 Series Switches.
- Support for NAT, HSRP, and IOX virtual IP addresses.
- Integration with Cisco ANA 3.7.3.
- Updated IP SLA support notes on ISRs.
- Documented how to replace the Cisco Prime Performance Manager jar file when going from the evaluation to the full version.
- Allow a custom port to be specified when importing the Cisco ANA inventory.

Cisco Prime Performance Manager 1.0.1 Fixed Caveats

Table 2 lists the Prime Performance Manager 1.0.1 fixed caveats.

Table 3 Cisco Prime Performance Manager Release 1.0.1 Fixed Caveats

Caveat	Description
CSCto66985	During PPM discovery, an IOS XR error appeared when a device was configured for IPv4 virtual addresses.
CSCtq05705	Dynamic Sync/Load of Device.properties + Load SystemXML after UserXML
CSCtq14769	PPM GUI: ack operation did not use the gateway time.
CSCtq17628	Cosmetic comments were implemented to the Cisco ANA integration text.
CSCtq45100	Arbitrary files can be viewed through the browser.
CSCtq45101	Arbitrary commands can be executed through the browser.
CSCtq49639	Fixed online help for files where listFiles.jsp was used.
CSCtq53443	if0 was filtered from the report mplsInterface.xml.
CSCto71239	Text in some Internet Explorer edit fields was not easy to overwrite.
CSCtq35130	404 help page: Administrative > General> System Messages > Info Message.
CSCtq51996	Additional +1 in some report formulas in atm.xml.
DE244	A problem occurred during installation when getting an IP address.

Known Caveats

Table 4 lists the open caveats in Cisco Prime Performance Manager 1.0.3.

Table 4 Open Caveats in Cisco Prime Performance Manager 1.0.2

Identifier	Description
CSCtr58769	Selecting a ICMP/cloud VNE on Cisco Prime Network while choosing maintenance mode does not mark the device VNEs in maintenance mode. Workaround: none
CSCtr71549	Node enters an incorrect status after a user repeatedly changes it from maintenance non-maintenance state. Workaround: none
CSCtr45104	After a connection is lost, dynamic updates are not restored from Cisco ANA until next crontab run. Workaround: none
<i>The following issues exist and no fix is planned:</i>	
CSCto58036	TACACS+ authentication fails when the password contains a “%” character. Workaround: Do not use a % in user passwords when using TACACS.

Table 4 **Open Caveats in Cisco Prime Performance Manager 1.0.2 (continued)**

Identifier	Description
CSCtq07847	<p>When using the default Cisco Prime Performance Manager CSV naming format, Daylight Savings Time changes cause duplicate records to be created during auto-CSV generation because the default PPM CSV format does not include time zone information in the filename.</p> <p>Workaround:</p> <p>During DST changes, enable the 3GPP CSV filename format with the following CLI:</p> <pre>ppm statreps csvnames 3gpp.</pre>

Related Documentation

You can access the following Cisco Prime Performance Manager guides on the [Cisco Prime Performance Manager](#) page on Cisco.com:

- [Cisco Prime Performance Manager 1.0 Quick Start Guide](#)
- [Cisco Prime Performance Manager 1.0 User Guide](#)
- [Cisco Prime Performance Manager 1.0 Documentation Overview](#)
- [Open Source Used In Cisco Prime Performance Manager](#)
- [Cisco Prime Performance Manager 1.0 Release Notes](#) (this document)



Note

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