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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 integrate it with Cisco Prime Central to provide a seamless user experience to view performance reports integrated with network and service topologies. You can also integrate it with Cisco Prime Network and Cisco Prime Network Services Controller.

Prime Performance Manager:
- Collects network performance information and generates statistics on delay, jitter, and packet loss in a packet network.
- Monitors performance statistics for Internet Protocol/Multi-Protocol Label Switching (IP/MPLS), Carrier Ethernet, mobile backhaul, Mobile Evolved Packet Core (EPC), Code Division Multiple Access (CDMA), and data center, networks, and technologies. Using a web-based user interface, you can view over 5300 reports in the following areas:
  - Application Traffic
  - Applications
  - Availability
  - Compute
  - IP Protocols
  - IP Quality of Service (QoS)
  - IP Service Level Agreements (SLA)
  - JMX Applications
  - Layer 2 Protocols
  - Mobile Internetwork Operating System (IOS) Statistics
  - Mobile StarOS CDMA Key Performance Indicators (KPI)
  - Mobile StarOS CDMA Statistics
  - Mobile StarOS KPI
  - Mobile StarOS Statistics
  - Prime Performance Manager System
  - My Resources
  - NetFlow
  - Network
  - Network Services
  - Prime Performance Manager System
  - Resources
  - Security
  - Small Cell Statistics
  - Storage
  - Transport Statistics
  - Video Broadcast
- Also supports data collection through NetFlow, Java Management Extensions (JMX), IOS Data Collection Manager, Extensible Markup Language (XML), Network Configuration Protocol (NETCONF), and collected.
Introduction

- Provides a horizontally scalable architecture with local, geographical, and N+1 high availability options.
- Supports thresholding, trending, 95th percentile reporting, email reports, and graphical report editing.
- Provides an extensive REST interface and other options for easy integration into existing systems and an advanced web based reporting with many user-customizable features.
- Allows you to integrate with Cisco Prime Central. Prime Central is the presentation tier for the Cisco Prime suites, which include Prime Performance Manager, Cisco Prime Network, Cisco Prime Optical, and other Cisco Prime applications.
- Allows you to discover network devices by importing the Prime Network device inventory or by running device discovery from Prime Performance Manager.
- Allows you to install cross-launch scripts on Prime Network gateways, which enables Prime Performance Manager reports to be launched from the Prime Network GUI.
- Synchronizes device lists, credentials, and business tags from Prime Network.
- 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.

Prime Performance Manager features and benefits include:

- Carrier class scale—Prime Performance Manager can manage 100,000 devices with up to 3.2 million interfaces and 50 GUI clients. Prime Performance Manager is designed for low startup and administrative costs with support for Cisco Unified Computing System (UCS), Linux, and VMware. The 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—Prime Performance Manager can generate more than 5300 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, access, and data center network devices. Reports are automatically generated and do not require complex customization or configuration.
- Data collection and processing—Prime Performance Manager standards-based data collection can be applied to any device enabled for Simple Network Management Protocol (SNMP). SUMO-based reports can be generated in 1-minute, 5-minute, 15-minute, hourly, daily, or longer intervals and can be viewed using the Cisco Prime Performance Manager web interface. They can also be generated as a comma-separated value (CSV) data file for integration with a third-party OSS. Prime Performance Manager also supports Command Line Interface (CLI) based reports by Telnet, Secure Shell Protocol (SSH), and WSMA.

For hypervisors, Prime Performance Manager supports:
- ESXi/vCenter by SOAP
- Hyper-V by WMI CIM
- Xen and KVM by libvirtd

- Bulk statistics reports—For the Cisco ASR 5000 and Cisco ASR 5500, the ability to generate reports based on bulk statistics.
- Report aggregation and grouping—Prime Performance Manager provides the ability to create reports based on groups of network objects such as interfaces or devices within specified regions. The grouping feature works flexibly according to customized algorithms.
Multi-technology support—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.

For detailed information on Prime Performance Manager features, see the *Cisco Prime Performance Manager 1.5 User Guide*.

For information on prerequisites, system requirements, and installation, see the *Cisco Prime Performance Manager 1.5 Quick Start Guide* and the Readme file provided with the Prime Performance Manager distribution.

### Release 1.5.1 SP1 New Features and Enhancements

Prime Performance Manager 1.5.1 SP1 new features and enhancements are provided in the following sections. You can view a detailed list of changes in Release 1.5.1 SP1 after installation by choosing **Help > READMEs and CLI Commands > CHANGES**.

- ISIS Reports, page 4
- StarOS 16.0 Mobility Reports, page 4
- Small Cell Reports, page 5
- Small Cell Home Node B Gateway (HNBGW) Reports, page 5
- Small Cell 3G Access Points Reports, page 5
- Framework, page 5
- GUI, page 5
- Small Cell Reports, page 5
- Data Center, page 6

**ISIS Reports**
- Cisco ASR 9000 and Cisco Carrier Routing System
- SNMP-based
  - SystemCounterTable
  - CircuitCounterTable
  - PacketCounterTable
  - LSPTLVTable and LSPSummaryTable

**StarOS 16.0 Mobility Reports**
- Mobility EPC scale test: StarOS 16.0 hybrid chassis (physical + SSI)

**Video Monitoring**
- Cisco ASR 9000 with VidMon IOS XR Release 5.1.2 / 5.2.0 support

**StarOS 16.0 MR1 Mobility Reports**
- Home eNode B Gateway (HeNB-GW)
  - henbgw-acc - s1ap - database, CSV, table report
  - henbgw-net - s1ap - database, CSV, table report
Small Cell Reports
- HeNBGW/SaMOG - CSV exports for KPIs
- Converge KPIs into single CSV export files

Small Cell Home Node B Gateway (HNBGW) Reports
- GTPP/GTPU - database, CSV, table report
- ps-network-ranap/scp/gtp - database, CSV, table report
- cs-network-sccp/cs-network-rtp - database, CSV, table report
- KPIs - display underlying counters
- cs-network-ranap - database, CSV, table report
- hnbgw-hnbap - table report
- hnbgw-ranap - table report
- hnbgw-hnbap-access-closed/hybrid/open - database, CSV, table report
- hnbgw-ranap-access-closed/hybrid/open - database, CSV, table report
- hnbgw-rtp-access-closed/hybrid/open - database, CSV, table report
- hnbgw-rtp - table report
- hnbgw-rua - table report
- hnbgw-rua-access-closed/hybrid/open - database, CSV, table report
- hnbgw-sctp - table report
- hnbgw-iubc-sabp/tcp - database, CSV, table report
- hnbgw-sabp/hnbgw-sabp-access-closed/hybrid/open - database, CSV, table report
- SLS
- TAI
- SBC
- UMTS KPIs

Small Cell 3G Access Points Reports
- Aggregate data sources and KPI reports
- Display underlying KPI counters
- All counters in one table report
- Intra-LUS group reports for all tables
- 10 standard database tables report
- Compute KPIs in advance

Framework
- Maintain simple groups from object lists in files

GUI
- Include aggregated DBSummary tables as data source in Web Report Editor
Data Center

- Support for ESXi 5.5 and Xen updates
- Support vSphere 5.5 and 5.5 Update1

Using Prime Performance Manager 1.5.1 SP 1 Features

The following topics providing information about using new Prime Performance Manager 1.5.1 SP1 features:

- Creating a Small Cell Access Point Group From a List of IDs, page 6
- RMS AP Single DB Table Report, page 7

Creating a Small Cell Access Point Group From a List of IDs

Prime Performance Manager 1.5.1 SP1 allows you to create small cell access point (AP) groups from a file containing a list of access point IDs.

To create an AP group based on an AP ID list:

---

**Step 1** Log into the gateway as a root user.

**Step 2** Navigate to the /opt/CSCOpm-gw/etc/apDrop directory (or to the directory where you installed Prime Performance Manager).

The apDrop directory contains a usage file with the baseTableNames of the aggregated database summary processors (AggregatedDBSummaries) that will be included in the generated group’s usage. By default, it has all AggregatedDbSummaries from rmsApPerf.xml.

**Step 3** Create a .TXT file with the name of the group you want generated.

**Step 4** In the file, enter the node IDs of all APs that you want included in the group. Enter one ID per line.

**Step 5** Save the file, then copy it into the apDrop directory.

**Step 6** Navigate to the gateway bin directory,

**Step 7** Run the following script using the name of the file you added to the apDrop directory in Step 5 for myGroupName.

```
/opt/CSCOpm-gw/bin/ppmGenerateGroup.sh myGroupName
```

The command will return without errors.

**Step 8** To verify your new group:
   a. Log into the Prime Performance Manager GUI.
   b. From the Administration menu, choose Group Editor.
   c. Open the group you just created.
   d. In the Group Details tab, verify that the List of Objects section has all the AP IDs from the file you added to the apDrop directory
Note
You can also verify your group by looking at the group xml file in etc/groups/user/. The usage section should have all AP IDs from the AP group file you added to the apDrop directory.

RMS AP Single DB Table Report

The AP Single DB Table Report examines specific counters gathered by Prime Performance Manager for the Cisco Small Cell Solution. You should only enable this report when Prime Performance Manager is monitoring a small number of APs. Performance degradation can occur if it is used for a large number of APs. For best performance, enable the following RMS AP reports:

- AP INTER LUS
- AP INTRA LUS
- AP KPI
- AP Multi DB Table

Release 1.5.1 New Features and Enhancements

Prime Performance Manager 1.5.1 new features and enhancements are provided in the following sections. You can view a detailed list of changes in Release 1.5.1 after installation by choosing Help > READMEs and CLI Commands > CHANGES.

- Primary Features and Enhancements, page 7
- Alarms, page 8
- Data Center Reports, page 8
- Devices, page 8
- Framework, page 8
- Graphical User Interface (GUI), page 9
- Mobility, page 9
- Small Cell Reports, page 9
- Other Report Updates, page 10
- Using Prime Performance Manager 1.5.1 Features, page 10

Primary Features and Enhancements

- StarOS 16.0 including new counters introduced in StarOS 16.0
- StarOS 16.0 MR1 including compatibility with counters up through StarOS 16.0
- Quantum Virtual Packet Core Single Instance (QvPC SI) / Virtual Evolved Packet Core (vEPC) SSI
- Cisco ME 1200 reports
- Cisco CPT:
  - SNMP v3
  - SSH
• Video Monitoring report enhancements
• Small cell:
  – SecGW for the Cisco ASR 9000 VSM
  – KPI report exports (3G AP, RMS LUS/PMG, HNBGW, SecGW) and counter exports (3G AP, RMS LUS/PMG)

Alarms
Enhancements were made to the threshold API.

Data Center Reports
Data center report enhancements include:
• VSG
  – Socket/FTP
  – PolicyMatch
  – AppContainer
  – IPSWTraffic
• CEPH report updates

Devices
Device updates include:
• IOS XR Release 4.3.4—Cisco ASR 9000 with Video Monitoring
• IOS XR Release 5.1.0—Cisco ASR 9904/9912
• IOS XR Release 5.1.1—Cisco ASR 9000 and Cisco CRS
• Cisco Catalyst 4500X
• Cisco ASR 902—IOS XE Release 3.12
• IOS XE Release 3.12 - RLS18/RLS3.12 —15.4(2)S
• Cisco CPT:
  – SNMPv3 to TNC and PTF cards
  – Accessing PTF card through SSH

Framework
Enhancements to the Prime Performance Manager framework include:
• Prevent regular status poller execution during BulkStats poll.
• Support setting a geographical HA standby gateway to primary when the primary is unreachable.
• Create seed file from current device list in backups.
• Enhance optimized capability polling for CLI-based reports.
• API updates to addDevice and specify unit.
• CEPH collector updates.
• Prime Service Catalog integration: events to PSC and addition of Advanced Message Queuing Protocol.
• Device group management API updates.
• Update Prime Performance Manager to the Cisco Prime Central interface for disaster recovery mode.

**Graphical User Interface (GUI)**

GUI enhancements include:

• Drop-down added to report toolbar to switch report intervals quickly.
• Show graph legends and forecast values across page reloads.
• Miscellaneous views and graphs usability updates.
• Moved Web Report Editor item to the Network menu.
• In the device Edit Properties dialog box, prevent the device name from being edited when the device is imported from Prime Network.
• Improved the reports Interval and Duration menu behavior.
• Improved the messaging displayed when using filters and moving between reports.

**Mobility**

Mobility virtual device support includes:

• vEPC – QvPC SI – SSI

• New and updated StarOS 15.0 KPI reports include:
  - MME
  - PGW
  - SGSN
  - SGW
  - HSGW
  - ePDG

• New and updated StarOS 16.0 schemas and counters include:
  - SaMOG (TWAP/TWAG)
  - Link-aggr
  - PDSN —Closed R-P
  - NAT-Realm
  - FemtoGW—FNG

**Small Cell Reports**

New Small Cell reports include:

• StarOS:
  - SecGW—
  - Cisco ASR 9000 VSM and WSG
  - SecGW—IPSec—PDIF, CSCF
  - HNBgw—ps-network

• CSV exports for:
  - RMS PMG/LUS counters/KPIs
Release 1.5.1 New Features and Enhancements

- 3G AP counters/KPIs
- HNBGW and SecGW KPIs

Other Report Updates
- CPU utilization on Solaris
- Updates to processes reports
- Cisco ME 1200 report updates:
  - User privilege and authentication
  - ACL
  - MAC
  - MEP-MIB—Cisco ME1200 StatusLmTable
- Video Monitoring Report Updates
  - Display only MRV minimum, maximum, and average in IPCBR reports.
  - Display MDI interval reports instead of cumulative reports.
- For IPSLA, disable selection of 1 minute, 5 minute, and 15 minute reports for hourly MIB data.

Using Prime Performance Manager 1.5.1 Features

The following topics providing information about using new Prime Performance Manager 1.5.1 features:
- CEPH Reports, page 10
- Advanced Message Queuing Protocol, page 10

CEPH Reports

After you install Prime Performance Manager 1.5.1, update the collectd on the ceph cluster with the latest available source available at https://github.com/crdc-ppm/collectd. The ceph plugin configuration should look like the following:

```xml
<Plugin ceph>
  <Daemon "osd.0">
    SocketPath "/var/run/ceph/ceph-osd.0.asok"
  </Daemon>
  <Daemon "mon.a">
    SocketPath "/var/run/ceph/ceph-mon.ceph1.asok"
  </Daemon>
  <Daemon "mds.a">
    SocketPath "/var/run/ceph/ceph-mds.ceph1.asok"
  </Daemon>
</Plugin>
```

Advanced Message Queuing Protocol

Prime Performance Manager 1.5.1 adds support for Advanced Message Queuing Protocol (AMQP). AMQP is an open standard for passing business messages between applications or organizations. For information about AMQP, see http://www.amqp.org/.

AMQP is added to Prime Performance Manager alarms and events. To add an AMQP connection:
Step 1  From the Administration menu, choose Alarms/Events Editor.
Step 2  On the Administration Alarms/Events Editor toolbar, click Add AMQP Connection.
Step 3  Enter the AMQP server and queue details:
   • Description
   • Host
   • Port
   • Virtual Host
   • Exchange
   • Exchange Type
   • Queue
   • Routing Key
   • Username
   • Password
   • Message Type
Step 4  Click OK.

A row representing the AMQP connection is added to the AMQP Connections table of the Alarms/Events Configuration window. Use the table to see the status of the connection, either Active or Down. You can edit the connection details, or delete the connection at any time.

If the AMQP connection message type is Alarm, a row representing the AMQP connection is also added to the Upstream OSS Hosts table of the Alarms/Events Configuration window. Use this table to filter and resend alarms.

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Release 1.5 New Features and Enhancements

Prime Performance Manager 1.5 new features and enhancements are provided in the following sections. You can view a detailed list of changes in this release after installation by choosing Help > READMEs and CLI Commands > CHANGES.

• Framework and Graphical User Interface (GUI) Changes, page 12
• Report Management Improvements, page 12
• View Improvements, page 12
• Collectors, page 12
• NetFlow, page 13
• Small Cell, page 13
• Mobility, page 13
• Data Center New and Updated Devices and Technologies, page 14
• New Reports, page 15
• Cisco Prime, page 15
• ESC/vSOC, page 15
New Device and OS Support, page 15

Framework and Graphical User Interface (GUI) Changes
Framework/GUI changes include:
- Alarm management improvement
- Additional internal Prime Performance Manager system metrics reports
- Selectable interface speeds for sub-interfaces and Send/Receive ifSpeed
- Bulk stats file processing improvements
- Report PDF email enhancements
- Include report URL in report emails
- Expose raw database (DB) data using DBtool
- Hide empty reports user preference
- Support multiple Simple Network Management Protocol (SNMP) community strings per device
- Ping/TraceRoute buttons from Alarms window
- Customer branding of web page header and emailed reports

Report Management Improvements
Report management improvements include:
- Second level reports pull down when in device specific mode
- Display two graphs in one graph view and in one dashboard merged graph
- Forecasting and aggregate lines enhancements
- Show graph of a data point at same time, same day of week
- Show graphs in view when KPI is exceeded
- Display standard deviation in summary tables and graph legends
- Display user-defined SLA or other planning line on graph in views
- Report mail and export support in comparative view

View Improvements
View improvements include:
- Ability to display a set of views in an animated sequence
- Options to display minimum, maximum, average, current, and total per graph

Collectors
New collectors include:
- Ganglia
- Remote collected
- Custom local script collector
- Prime Performance Manager generic format data import through bulk statistics
- Remote Management System (RMS) statistics collector used for small cell support
**NetFlow**

NetFlow improvements include:

- Scale
- Collector
- Reports
  - Carrier Grade NAT (CGNAT)
  - Next generation network-based application recognition (NBAR2)
  - v9 special media access control/virtual local area network (MAC/VLAN) field reports
  - Transmission control protocol (TCP) flag value display
  - v9 special fields reports (IPv6)
  - AS aggregation reports
  - Enhanced autonomous system reports
- Mappings—IP groups as names
- NetFlow percentage column in summary tables

**Small Cell**

Small cell features include:

- RMS applications statistics collector
- StarOS—HNBgw: counters and complex KPIs
- StarOS—HeNB-gw
- Licensed spectrum ubiquisys access points through RMS upload server 3gpp files (3G)
- RMS monitoring

**Mobility**

Mobility features include:

- Enhanced and new reports
  - Additional access point names/ packet network data gateway (APN/PGW) KPI reports
  - Additional system arch evolution GW (SAEGW) KPI reports
  - MME KPI reports
  - GPRS support node (SGSN) KPI reports
- StarOS 15 Support
  - eGTP—GTPv2 cause code resolution/PGW
  - Gx—P-CSCF allocation monitoring
  - Gx—IMSA result code bulkstats
  - eGTP—GPRS tunneling protocol (GTP) path statistics
  - CompleteCounters: BulkStats Config, System, ECS, SAEGW, RLF, ICSR, VLAN-NPU, SGSN, MME, SGs, SGs-VLR, LCS, MAG, LMA, PGW, ePDG, Diameter-Auth
  - StarOS IPSG
Data Center New and Updated Devices and Technologies

New and updated Data Center devices and technologies include:

- **Devices**
  - Cisco Nexus 1110 and 1100V Series Virtual Services Appliances
  - Cisco Nexus 6000 Series Switches
  - Cisco Nexus 1100 Series Cloud Services Platforms
  - Cisco Nexus 6000 Series Switches
  - Cisco Nexus 9000 Series Switches
  - Cisco Prime Virtual Network Analysis Module (vNAM)
  - Cisco Catalyst 6500 Series ASA Services Module
  - Netscaler SDX
  - Ceph (Storage)

- **Reports**
  - Nexus - LACP
  - Nexus - GLBP
  - Nexus 7000 - VRF/VDC/VLAN inventory counts
  - Cisco Cloud Services Router 1000V (CSR1Kv) - Locator ID Separation Protocol (LISP) and addition CSR1Kv LISP reports
  - CSR1Kv - Virtual Private Network, Border Gateway Protocol, Framework/Intermediate System to Intermediate System, Network Address Translation and Quality of Service (VPN, BGP, FW, ISIS, NAT, QoS) reports
  - CSR1Kv virtual services and security
  - Cisco ASA 1000 Network Address Translation (NAT)
  - Cisco ASA-SM- administration context
  - MAC/VLAN Cisco ASA-SM user context
  - Virtual Security Gateway (VSG) service path
  - Cisco ASA 5000 firewall reports for four node clusters
  - Datastore I/O Operations per Second (IOPS) and latency enhancement
  - VSG dashboards
  - Cisco Catalyst 6500 Virtual Switching System (CAT6K/VSS)
  - Cisco Federal Communications Commission
  - Cisco Multilayer Director Switch (MDS) - fibre channel - Fibre Channel Congestion and Fibre Channel Security Protocol (FCC/FCSP)
  - MDS security
  - Cisco ASA 1000V dashboard reports
  - Cisco CSR1000V Virtual Services dashboard
  - eBGP reports
  - CSR1Kv ISIS reports
- NetScaler - VPX - Cisco Prime Network Service Controller (PNSC), HA, IP, disk, TCP, UDP and additional reports

**New Reports**

New reports include:

- IPSLA - MediaNet, Y.1731 DMMv1 type, delay, and delay variance, minimum values in graphs
- Cisco IOS device VLAN ID added to Y1731 reports
- IPSLA Ethernet echo report
- GRE Tunnels - Cisco ASR 9000 and CSR1Kv
- New Cisco ASR 9000 video monitoring reports

**Cisco Prime**

Prime Performance Manager integration with Cisco Prime Network Service Controller

**ESC/vSOC**

ESC/vSOC features include:

- Enable fast poll intervals
- Alarms to prime analytics
- Application Programming Interface (API) evolution: thresholds and device management

**New Device and OS Support**

New supported devices and operating systems include:

- Cisco Content Delivery System/Content Delivery Engine (CDS/CDE) devices
- Cisco Protocol Translator (CPT) 9.5.3
- CPT 9.7.0 ES
- Cisco 7600 XE 3.9 - RLS15/RLS39 - 15.3(2)S
- Cisco CRS XR 4.3.2
- Cisco ASR 9000 - XR 4.3.2
- XE 3.10 - RLS16/RLS3.10 - 15.3(3)S
- Cisco ASR 901 Series Aggregation Services Routers (ASR901) RLS2 hardware
- Cisco ASR 9922
- Cisco ME 2600X - Release 1.1 - 15.2(SA1)
- Small Cell Router - Cisco ASR 901-S - XE 3.11
- Cisco ME 1200
- Cisco ME 4600
- Symmetricon TP5000 and TP2700
- SmartGrid - CGR 2000 and CGS 2500 series
Using the Bug Search Tool

Use the Bug Search tool to search for a specific bug or to search for all bugs in a Prime Performance Manager release.

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**Step 1** Go to [http://tools.cisco.com/bugsearch](http://tools.cisco.com/bugsearch).

**Step 2** At the Log In screen, enter your registered Cisco.com username and password; then, click **Log In**. The Bug Search page opens.

**Note** If you do not have a Cisco.com username and password, you can register for them at [http://tools.cisco.com/RPF/register/register.do](http://tools.cisco.com/RPF/register/register.do).

**Step 3** To search for a specific bug, enter the bug ID in the *Search For* field and press **Return**.

**Step 4** To search for bugs in the current release:

a. In the *Search For* field, enter **Prime Performance Manager 1.5** and press **Return**. (Leave the other fields empty.)

b. After the search results appear, use any of the following filters to find the types of bugs you are looking for.
   - Modified Date
   - Status
   - Severity
   - Rating
   - Support Cases
   - Bug Type

**Tip** To export the results to a spreadsheet, click the Export Results to Excel link.

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**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 1.5 User Guide*
- *Cisco Prime Performance Manager 1.5 Release Notes* (this document)
- *Cisco Prime Performance Manager 1.5 Quick Start Guide*
- *Cisco Prime Performance Manager 1.5 Integration Developer Guide*
- *Open Source Used in Cisco Prime Performance Manager 1.5*
- *Cisco Prime Performance Manager 1.5 Documentation Overview*

The Prime Performance Manager data sheet can be found at [http://www.cisco.com/go/performance](http://www.cisco.com/go/performance)
We sometimes update the documentation after original publication. Therefore, you should review the documentation on Cisco.com for any updates.

Accessibility Features in Prime Performance Manager 1.5

The Prime Performance Manager 1.5 software does not provide any accessibility features. All product documents are accessible except for images, graphics, and some charts. If you would like to receive the product documentation in audio format, braille, or large print, contact accessibility@cisco.com.

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly What’s New in Cisco Product Documentation, which also lists all new and revised Cisco technical documentation, at:


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