

Release Notes: WANDL IP/MPLSView

Release 6.3.0
30 Sept 2016

These release notes accompany WANDL IP/MPLSView Release 6.3.0.

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Introduction

WANDL IP/MPLSView is a Juniper Networks® multivendor, multiprotocol, and multilayer operations support systems (OSS) traffic management and engineering solution for IP and MPLS networks that provides customers with the following benefits:

- Integrated and comprehensive fault, configuration, accounting, performance, and security (FCAPS) network management on a single platform
- Multivendor integration for fast network autodiscovery
- Support for modeling regional, national, and international network topologies
- Performance management for tuning the network to improve efficiency, analyze traffic trends, and prevent problems
- Conformance checking to ensure standards compliance
- Fault management tools to quickly detect and troubleshoot network issues

New and Changed Features

This section describes the new and enhanced features in IP/MPLSView Release 6.3.0.

- [Web Interface Enhancements on page 2](#)
- [Configuration Management on page 3](#)
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Web Interface Enhancements

- **Enhanced topology, device, and traffic management**—The following network monitoring and visualizing features are now available from the IP/MPLSView Release 6.3.0 Web interface:
 - Protocol status of BGP neighbors, IS-IS adjacencies, and OSPF neighbors from a node.
 - Node, link, interface, and tunnel details.
 - Node, link, interface, and tunnel live traffic charts, with configured and policed bandwidth also shown.
 - LSP tunnels at a node.
 - Periodic automatic synchronization of events from the Event Browser.

- Historical device performance charts of system uptime, CPU temperature, CPU usage, and memory usage of a node.
- Network Summary pane.

Configuration Management

- **Configuration Revision Manager**—In IP/MPLSView Release 6.3.0, the Configuration Revision Manager and Task Manager support the following features from the Web interface:
 - Periodically collect new revisions of configuration files using a Scheduling Live Network Collection or Network Config Data Collection task.
 - Check in configuration files whenever changes have been made.
 - Store multiple versions of the device configuration with timestamps and version numbers.
 - Select a router from a summary list and display the configuration file or multiple revisions of the configuration file.
 - Compare two revisions of the configuration file side-by-side, with the differences highlighted in color.
- **Hardware Inventory chassis view**—In IP/MPLSView Release 6.3.0, the Hardware Inventory chassis view is supported:
 - Equipment view displays a graphical representation of a device chassis.
 - Drill down in the equipment view to display card and device details.

CLI Capabilities

- **Enhanced Run CLI Capabilities**—Extends the Run CLI Capabilities to groups of commands and groups of devices:
 - Use multiple commands on a device.
 - Use a command on multiple devices.
 - Select a group of commands to use.
 - Pass command parameters to the CLI through the GUI.

Fault Management

- **Enhanced Web Diagnostic Manager**—Extends the Diagnostic Manager to groups of devices and adds customization to the diagnostic testing:
 - Ping or traceroute from the IP/MPLSView server to a device.
 - Ping or traceroute from a device to another device.
 - Ping or traceroute to the management or loopback interface IP address.
 - Ping or traceroute from a device to multiple devices.

- Create device groups and ping or traceroute from multiple devices to multiple devices.
- Ping or traceroute based on customized advanced groups using user-definable diagnostic commands.
- **Enhanced Live Event Browser**—Extends the Event Browser capabilities:
 - Display a list of events as they are received.
 - Chart live events in real time.
 - Chart interface traffic threshold crossing alert events.
 - Chart LSP tunnel traffic threshold crossing alert events.
 - Display a list of LSP tunnel traffic events as they are received.
 - Display a chart of the event count in real time.
 - Load, synchronize, update, comment, clear, acknowledge, print, and post events.
 - Customize the Event Browser UI.
 - Retrieve events using the RESTful API.

Performance Management

- **Enhanced performance management**—Extends the performance management capabilities:
 - Retrieve link traffic using the RESTful API.
 - Display summary reports for egress traffic.

System Administration

- **Distributed performance management tasks on Spark clusters**—Extends the traffic data collector cluster to a Spark cluster for improved scaling in large networks. You can add, remove, start, and stop tasks on the Spark cluster.

RESTful API

- **RESTful API support**—IP/MPLSView Release 6.3.0 supports the Representation State Transfer (RESTful) API.

You can use the RESTful API to enable northbound systems interacting with higher-level applications to receive various data sets by means of standard HTTP GET requests. The RESTful API enables you to query information about the network topology, performance management, hardware components, events, and traffic collection.

Changes in Behavior and Syntax

No changes in default behavior or syntax are introduced in WANDL IP/MPLSView Release 6.3.0.

Known Behavior

No changes in known behavior are introduced in WANDL IP/MPLSView Release 6.3.0.

Known Issues

There are no known issues in WANDL IP/MPLSView Release 6.3.0.

Resolved Issues

This section lists the issues fixed in WANDL IP/MPLSView Release 6.3.0. The identifier associated with each entry is the tracking number in the Juniper Networks Problem Report (PR) tracking system.

Identifier	Description
1156378	When the Network Config Data Collection task used SWITCH_CLI, the SWITCH_CLI function unexpectedly failed during parsing.
1164359	Cleared events erroneously appeared as unacknowledged in the Historical Event Browser.
1172248	The Auto Discovery task was not working properly from the remote collection server.
1172335	The IP/MPLSView GUI failed to open using HTTPS (port 8443).
1172343	Filtering router interfaces in a report group did not work properly.
1178066	Installing IP/MPLSView with a configured SSL certificate did not work as expected.
1178300	When using customized fields in an SSL certificate with IP/MPLSView Release 6.2.1, HTTPS access did not work properly.
1178417	The <i>Getting Started Guide for IP/MPLSView</i> omitted information stating that IPv6 should be completely disabled on the LINUX server before installing IP/MPLSView. The documentation has been updated to include this information.
1179608	IP/MPLSView did not include as much fan tray inventory data as possible for Juniper Networks routers. Release 6.3.0 has been enhanced to include additional fan tray inventory information.
1180801	When using the selective interface feature, reachability between the application server and device did not work as expected. This behavior caused the build of the interface list to fail.
1189687	After selecting Fault Management > Event Summary Reports > New Event Summaries , event summary reports did not work properly.

Identifier	Description
1196002	Making multiple selections in the User Defined Group Traffic Summary Report was not working properly (Release 6.2.1S4).
1197317	In the Task Manager, the Device Performance report did not show any value.
1197396	After upgrading to Release 6.2.1S4, performance reports such as Live Traffic, Aggregated Traffic, Device Performance, and Network Performance responded more slowly than normal.
1197434	After upgrading to Release 6.2.1S3, the Task Manager did not perform an auto update of the running tasks as expected.
1197692	The Memory (Used) column did not display the results of the status_mplsview ?v command as expected.
1201132	The database cleanup script genAggTrafDB.sh did not work properly, which caused the utilization percentage of the export directory to increase excessively.
1201156	After upgrading to Release 6.2.1S4, the %Utilization option for all Aggregated Traffic charts did not work properly.
1201819	After upgrading to Release 6.2.1S5, only partial data appeared when exporting data from a User Defined Group Traffic Summary Report to a CSV file.
1203018	After selecting Live Traffic > Interface > Interface comment , the configured interface descriptions did not appear as expected.
1203162	After upgrading to Release 6.2.1S4, the Task Manager and Device Profiles did not work properly with the Web GUI.
1203169	After upgrading to Release 6.2.1, multiple selection of routers and router groups in the request form for the Group Traffic Report did not work properly.
1205496	Hardware inventory collection did not work properly for certain line cards in Huawei routers.
1209064	After changing the default aggregate interval (one hour) of all Device Performance reports, only the first page of the report correctly displayed the values in separated columns as expected.
1210088	Autodiscovery for Arris device did not work properly. IP/MPLSView created the device on the Network Map, but did not display the device configuration as expected.

Documentation Updates

This section lists the errata and changes in the documentation for WANDL IP/MPLSView.

- [IP/MPLSView Web-Based Management and Monitoring Guide on page 7](#)

IP/MPLSView Web-Based Management and Monitoring Guide

A new document titled *IP/MPLSView Web-Based Management and Monitoring Guide* has been published for WANDL IP/MPLSView Release 6.3.0. Use the *IP/MPLSView Web-Based Management and Monitoring Guide* to learn the operation of the Web-Based user interface.

The new *IP/MPLSView Web-Based Management and Monitoring Guide* compliments the existing *IP/MPLSView Java-Based Graphical User Interface Reference*.

Upgrade Instructions

To upgrade to WANDL IP/MPLSView Release 6.3.0 from an earlier IP/MPLSView release, contact the Juniper Networks Technical Assistance Center (JTAC) for information about the modules you purchased that may need special support arrangements.

Product Compatibility

- [Software Compatibility on page 7](#)

Software Compatibility

WANDL IP/MPLSView Release 6.3.0 requires the following software components:

- 64-bit Linux OS (can be CentOS 6.6 or Red Hat 6.6 and later releases up to and including CentOS 7.0, or Red Hat 7.2)
- Java Version 1.8
- Tomcat Java application server (it is part of the IP/MPLSView installation package)



NOTE: Starting in Release 6.2.1, IP/MPLSView supports only the 64-bit Linux operating system.

Requesting Technical Support

Technical product support is available through the Juniper Networks Technical Assistance Center (JTAC). If you are a customer with an active J-Care or JNASC support contract, or are covered under warranty, and need post-sales technical support, you can access our tools and resources online or open a case with JTAC.

Revision History

30 Sept. 2016—Revision 1, WANDL IP/MPLSView Release 6.3.0

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