

# Release Notes: WANDL IP/MPLSView

Release 6.3.1  
6 April 2017

These release notes accompany WANDL IP/MPLSView Release 6.3.1.

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## Introduction

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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

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This section describes the new and enhanced features in IP/MPLSView Release 6.3.1.

- [Fault Management Enhancements on page 2](#)
- [Performance Management on page 3](#)
- [Reports on page 3](#)
- [General Platform on page 3](#)
- [Licenses on page 3](#)
- [RESTful API on page 4](#)

## Fault Management Enhancements

- **Enhanced Live Event Browser**—The following network monitoring and visualizing features are now available from the Live Event Browser from the IP/MPLSView Release 6.3.1 Web interface:
  - Impacted LSPs and associated LSP events for link up or link down.
  - Upload sound clips for specific event severity from the local file system.
  - Error and discards counts chart for interface threshold events.
- **Enhanced post processing**—The following post processing features for correlation of interface index and tunnel index information are now available in IP/MPLSView Release 6.3.1:
  - Collect interface index and tunnel index information from the network.
  - Update interface and tunnel details in interface and tunnel-based events by using their index information.
  - Performance improvement for SNMP Trap persistence.

## Performance Management

- **Enhanced performance management**—Extends the performance management capabilities to provide traffic updates from IP/MPLSView to NorthStar Controller:
  - Collect router interface traffic statistics at regular intervals and send to the NorthStar Controller.
  - Collect router LSP traffic statistics at regular intervals and send to the NorthStar Controller.

## Reports

- **Enhanced reports**—Extends the report capabilities to support the following:
  - Filtering option to search and display particular devices, names, or interfaces is added to the menu in the column header. The filtering option is available in traffic, device, and performance management reports.
  - For Juniper devices, you can display a report or chart to monitor the CPU load in Device Performance.
  - Include the absolute value of traffic in reports, for example display traffic values in Gigabits and Megabits.
  - Filtering option is now available for group sum value. For example, when viewing the User Collected Data Report, the sum displays the total group value for each defined group. Groups are defined in **Admin > Report Groups** and groups are sorted in **Advanced Options**.
  - When a small form-factor pluggable (SFP) transceiver is connected to the port, the type of transceiver (1-Gigabit Ethernet copper, 1-Gigabit Ethernet optical, 10-Gigabit Ethernet), serial number, and other information is provided in the Hardware Inventory Reports.
  - SKU numbers are now listed in the Hardware Inventory Reports.
  - Display Arris C4, C4c, and E6000 serial numbers in the Hardware Inventory Reports.

## General Platform

- **General platform enhancement**—In IP/MPLSView Release 6.3.1, the Java interface and Java Web Start are updated with the recommended Java logo.

## Licenses

- **License support**—In IP/MPLSView 6.3.1, the following processes are started and controlled by the license listed:
  - SNMP Trap Server (**snmptrap**) requires the Fault Management license.
  - Threshold Server, DGS, and MariaDB (**mysql**) requires the Performance Management license.

- Event Server (**eventserver**) requires the Performance Management or Fault Management license.

## RESTful API

- **RESTful API support**—IP/MPLSView Release 6.3.1 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

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No changes in default behavior or syntax are introduced in WANDL IP/MPLSView Release 6.3.1.

## Known Behavior

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No changes in known behavior are introduced in WANDL IP/MPLSView Release 6.3.1.

## Known Issues

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There are no known issues in WANDL IP/MPLSView Release 6.3.1.

## Resolved Issues

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This section lists the issues fixed in WANDL IP/MPLSView Release 6.3.1. The identifier associated with each entry is the tracking number in the Juniper Networks Problem Report (PR) tracking system.

Identifier	Description
1253138	Group Interface Traffic Summary Report next page was not loading in the Web interface.
1257798	A pound sign (#) in the <code>/u/wandl/db/sys/npatpw</code> path caused the Web interface to hang.
1262615	A user with minimal permissions was able to change other users' permissions and credentials in the Web interface.
1265417	<code>/u/wandl/bin/prefixGroup</code> gave the error message "version GLIBCXX_3.4.21 not found."
1265246	Unbalanced BGP neighbor reported for Carrier of Carrier VRFs.
1223658	Unable to connect to webserver.

Identifier	Description
1223660	Pop-up window did not resize correctly in the topology map window.
1225171	When displaying Equipment View, was not allowing permissions to access database from the application server.
1225175	Apache Tomcat was giving an error when reading the license file.
1225179	Web Event Browser was not showing any data due to a single quotation ( ' ) in the JSON string.
1225572	Event format issue using UDP to receive events.
1225573	Event Timestamp format issue with timestamp displaying differently.
1235256	After upgrading to Release 6.3.0S1, the Group links in User Defined Group Traffic Summary Report displayed incorrect data.
1232358	Device serial number was not showing in the device reports.
1235259	After upgrading to 6.2.1S12, HOSTNAME was erroneously changed to DEVICEID.
1228249	Hostname was erroneously changed due to Junos RE extension in hostname.
1235934	The rtserver was crashing due to the length of interface name.
1228495	After editing a Scheduling Live Network Collection task in the Web interface, the edits were not showing.
1241476	Task Manager process was getting stuck, causing SNMP tasks to be in a pending state.
1241394	After upgrading to Release 6.3.0S2, tasks could be modified in Task Manager using the Web interface.
1230696	Element Name and Interface comments were not displaying properly in the Event Browser.
1238883	In <b>Configuration &gt; Hardware Inventory Reports</b> , the AS column was not displaying and could not be added in Physical Interfaces.
1234716	Aggregated Traffic Report was not showing any data due to a single quotation ( ' ) in the node name.
1236886	Incorrect line references in the Integrity Check.
1241010	Unable to create a network when importing the network data.

Identifier	Description
1242279	MPLS TE admin groups of interfaces were not discovered in Huawei routers configurations group.
1249209	In <b>Admin &gt; View</b> , no data was displaying in System Monitor.
1255062	Configuration Revision Manager stopped working in both the Web and Java interface.
1252297	IP/MPLSView 6.3.0 MIND (/u/wandl/bin/multilayer) was incompatible with CentOS 6.8.
1253087	In <b>Configuration &gt; Config Revision Manager</b> , the router list was empty in the Files pane.
1255037	IP/MPLSView was not using the Collection Server for the Scheduling Live Network Collection task or when selecting <b>Tools &gt; Device Profiles &gt; Test Connectivity</b> .
1257381	The Aggregated Traffic Interface CoS report was not working properly.
1257904	With MPLS-RSVP, the LSP was not re-routed during exhaustive failure.
1257918	Max column values were not showing after the Aggregated Traffic Interface CoS report was saved to Excel.
1211315	Multiple selection of routers and groups in the request form for the Group Interface Traffic Summary Report did not work properly.
1213005	In <b>Performance &gt; Aggregated Traffic</b> , unable to access Interface CoS, Packet Errors, and Packet Discards traffic reports.
1156378	When the Network Config Data Collection task used SWITCH_CLI, the SWITCH_CLI function unexpectedly failed during parsing.
1210088	Autodiscovery for Arris devices did not work properly. IP/MPLSView created the device on the topology map but did not display the device configuration as expected.
1210824	Nodejs was consuming high CPU, causing the Web portal pages to respond slowly.
1213926	The Start Date filter for Device Performance Reports was not working as expected when paging to next page.
1213533	After restarting IP/MPLSView, the webserver, NodeJS server, and Event server were not starting.
1213954	LLDP in bridge file was causing a parsing error.

Identifier	Description
1215940	After generating Aggregated Packet Errors and packet Discards traffic reports, could not export, generate chart, or PDF chart for the selected interfaces.
1215398	In <b>Performance &gt; Aggregated Traffic</b> , the Group AS Traffic Summary Report was not working as expected when using the column filter.
1218223	A difference in number existed for SNMP events detected on the router using the Snoop command and what was shown in the SNMP trap files.
1226651	Task server monitors memory usage and tasks stopped executing due to out of memory.
1227835	When generating the Link Availability Report or ISIS Link Availability Report from the Web interface, the system times out.
1256134	Primary IPv6 address was not reported in Network Info.
1227848	Threshold Editor failed to launch from the Web interface.
1230696	Element Name and comment were not showing properly for Event Browser event type.
1225056	With high memory usage of the application server, Task Manager became unresponsive with the server running Solaris.
1234267	Network reports unavailable in the Web interface.
1245198, 1257307	Unable to access the Web interface and when trying to access, getting time out or unresponsive mode.
1205160, 1226593	The Data Gateway Server inadvertently stopped, causing traffic not to be collected.
1212085	Inconsistent router information between the database and Traffic Collection Manager for a collection instance.

## Documentation Updates

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

## Upgrade Instructions

To upgrade to WANDL IP/MPLSView Release 6.3.1 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

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- [Software Compatibility on page 8](#)
- [VM Support on page 8](#)

### Software Compatibility

For more information about system requirements for IP/MPLSView, see the *Getting Started Guide for IP/MPLSView*.

WANDL IP/MPLSView Release 6.3.1 requires the following software components:

- 64-bit Linux OS can be:
  - CentOS 6.7 - CentOS 7.2
  - Red Hat 6.7 - 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.

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### VM Support

The following lists VM support with IP/MPLSView:

- CentOS 6.7 - CentOS 7.2
- Red Hat 6.7 - Red Hat 7.2
- OpenStack Kilo, OpenStack Liberty

## Requesting Technical Support

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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

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06 April 2017—Revision 1, WANDL IP/MPLSView Release 6.3.1

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