

Release Notes: WANDL IP/MPLSView

Release 6.4.0
11 June 2018

These release notes accompany WANDL IP/MPLSView Release 6.4.0.

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Introduction

WANDL IP/MPLSView is a Juniper Networks® multivendor, multiprotocol, and multilayer operations support system (OSS), traffic management, and engineering solution for IP and MPLS networks.

IP/MPLSView 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 lists the enhancements in WANDL IP/MPLSView Release 6.4.0.

- **Support for FRR Parsing for Huawei Routers**

Updated Fast Reroute (FRR) information is now available in the Web UI. The **getipconf** and **rjdpath** executable files were changed to process FRR properly.

- **Interface CoS Utilization for Different QoS Classes in Planning Mode**

IP/MPLSView planning mode supports up to eight CoS classes as it aims at computing the used class per bandwidth for the core networks (not for the access links). The modeling assumes that Class Of Services are consistently configured with the same attributes throughout the backbone (best practice for CoS design). If the core network has more than eight classes, you can use a mapping file to map all these classes into eight classes. However, this is a best effort approach. If your network has a complex CoS configuration, the mapping might not always be feasible.

Traffic charts and reports are now available in the IP/MPLSView Web UI when more than eight CoS classes are configured.

- **P2MP-TE Traffic Collection within IP/MPLSView**

P2MP tunnel traffic is collected and displayed correctly. To map the traffic with the demand file, add the values **routeMCoVerP2MP = 1** and **matchtunnelname = 1** in the **dparam** file for simulation and routing.

- **Parse Huawei LDPoRSVP Config Correctly**

Fixed issues with Huawei configuration parsing that were causing missing attributes in the Web UI. The **getipconf**, **rjdpath**, and **rtserver** executable files were changed to process FRR properly.

- **Add Device Type Field to User-Defined SNMP Collection Task Parameters**

A device Type field is added to the User-Defined SNMP Collection Task Parameters window to allow selecting all nodes of current type.

- **Support Selection of Multiple Routers for the CoS and Multicast Performance Reports**

The search parameter **Router** in the **Advanced Search** section is enhanced to support the selection of multiple routers for the CoS and Multicast-based Performance Reports.

- **Match Condition in Column Filters**

The following changes were made:

- In the UDG Traffic Summary report, changes were made to support the “Sum” values to be sum of the filtered interfaces.
- Filtering (both local and global) in the reports is extended to support: “starts with”

- **New Advanced Options Added in Reports - Layer 2, Layer 3, All Links**

Option to select L3 (Logical), L2 (Physical), Aggregated, and Member interfaces to prevent multiple counting in “Sum” values.

- **Add Node User Parameter Column to Reports**

Display "Node User Parameter" in the User-Defined Group Traffic Summary, Device Performance, and Hardware Inventory reports.

- **IPv6 Support for Getipconf**

This enhancement aims at parsing multiple IPv6 addresses for Cisco, Casa, and ARRIS devices. Previous release only allowed a single IPv6 address. To enable the creation of a new report, you need to add a new parameter in the **dpparam** file. This new parameter specifies the location of the new report. For example:

```
altIntfmapxFile = /home/wandl/altIntfmapxFile.x
```

Changes in Behavior and Syntax

No changes in default behavior or syntax are introduced in WANDL IP/MPLSView Release 6.4.0.

Known Behavior

No changes in known behavior are introduced in WANDL IP/MPLSView Release 6.4.0.

Known Issues

This section lists the known issue in WANDL IP/MPLSView Release 6.4.0. The identifier associated with the entry is the tracking number in the Juniper Networks Problem Report (PR) tracking system.

1344769—In some cases, the Device SNMP Collection uses extra memory. This will be fixed in release 6.4.0S1.

Resolved Issues

This section lists the issues fixed in WANDL IP/MPLSView Release 6.4.0. The identifier associated with each entry is the tracking number in the Juniper Networks Problem Report (PR) tracking system.

Identifier	Description
1317367	Region privileges for Hardware Inventory.
1334387	Incomplete hardwaretypemapping.csv file in Release 6.3.1S4.
1338770	Wrong CoS report (error 404).
1340072	Aggregate Traffic report page does not show result.
1344684	Shared Report HTTP status 500.
1347246	Advanced options not retained after generating a report using the Web UI.
1347967	Web UI Filter in LinkTable does not work. Works with Java UI.
1349038	Release 6.3.1S5 startup script bug for cluster installation has been fixed.
1354256	Weekly/Monthly Interface Utilization is not shown.

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 6.4.0 from an earlier IP/MPLSView release, contact the Juniper Networks Technical Assistance Center (JTAC) for information about the modules you purchased that might need special support arrangements.

Product Compatibility

- [Software Compatibility on page 4](#)
- [VM Support on page 5](#)

Software Compatibility

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

WANDL IP/MPLSView Release 6.4.0 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.

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

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

11 June 2018—Revision 1, WANDL IP/MPLSView Release 6.4.0