Release Notes: J-Web Application Package Release 18.4A2 for EX2300, EX2300-C, EX3400, EX4300, and EX4600 Switches

Release 18.4A2
October 2020
Revision 1

Contents

Introduction

Juniper Networks EX Series Ethernet Switches are shipped with the Juniper Networks Junos operating system (Junos OS) installed.

Junos OS has the following primary user interfaces:

- Juniper Web Device Manager (J-Web) GUI

- Junos OS CLI

You can use these interfaces to access, configure, and manage your EX Series switch.

This topic provides an overview of the newly re-designed J-Web interface. For information about the CLI, see *CLI User Interface Overview*.

Supported EX Series switches

In Junos OS Release 18.4A2, the J-Web interface supports EX2300, EX2300-C, EX3400, EX4300, and EX4600 switches.

> **NOTE:** You cannot connect to and perform initial configuration of EX2200-24T-4G-DC and EX4600 switches by using the EZSetup procedure from the J-Web interface; you must use EZSetup from the switch console.

To obtain more information about the components that are supported on each switch, and the special compatibility guidelines for the release, see the Hardware Guide for the switch.

To determine the features supported on EX Series switches in this release, use the Juniper Networks Feature Explorer, a Web-based application that helps you to explore and compare Junos OS feature information to find the right software release and hardware platform for your network. Find Feature Explorer at https://pathfinder.juniper.net/feature-explorer/.

New Distribution Model

For Junos OS Release 14.1X53-D10 and later, the J-Web interface is available in two packages:

- Platform package—Provides basic features of J-Web and is installed as part of Junos OS.

- Application package—Provides all features of J-Web and is a separately installable package.

   Platform Package

   The Platform package of J-Web is installed as part of Junos OS that is shipped with your EX Series switch. The Platform package provides the basic features of the J-Web interface. The Platform package enables you to configure and maintain your switch.

   Application Package

   The Application package is not installed by default on your switch. You must download it and install it over the Platform package on your switch. The Application package provides all the features of the J-Web interface that enable you to configure, monitor, maintain, and troubleshoot your switch.

For information about installing the Application package, see "Upgrading to J-Web Application Package" on page 6.

The Platform package, which is installed as part of the Junos OS that is shipped with your switch, follows the Junos OS release cycle. However, the Application packages have their own release cycle which is independent of the Junos OS release cycle. This separate release cycle helps you get the latest features of J-Web by installing the latest version of the Application package, without waiting for Junos OS releases.

> **NOTE:** The J-Web Application package is hot-pluggable. You can install it on top of the current Junos OS installation, and you need not reboot the switch after the installation.

> **NOTE:** To determine which J-Web package you are currently using, click **Help > About**. The About window appears. If you are using a Platform package, only the Platform package details are displayed. If you are using an Application package, both the Platform package and Application package details are displayed.

If your current J-Web package is:	Then you can:
Platform package	Upgrade to the Application package.

If your current J-Web package is:	Then you can:
Application package	Update to a latest version of the Application package available on the Juniper Networks server that is compatible with the Junos OS on your switch.
	NOTE: If you upgrade Junos OS on your switch, the current J-Web package is replaced with the J-Web Platform package that is associated with the upgraded Junos OS release. You can then install the latest Application package that is associated with the main release of the upgraded Junos OS, over the Platform package.

Release Compatibility

The Application packages of J-Web have their own release cycles (A1, A2, A3, and so on), which are independent of the Junos OS release cycle. An Application package is compatible only with the corresponding major release of Junos OS.

The Table 1 on page 4 lists the release compatibility.

Table 1: J-Web Release Compatibility Matrix

Junos OS Release	Associated J-Web Application Package Release
14.1X53-D10	Application package 14.1X53-A1
14.1X53-D35	Application package 14.1X53-A2
15.1R1	Application package 15.1A1
15.1R3	Application package 15.1A2 Application package 15.1A3
15.1X53-D50	Application package 15.1X53-A1 NOTE: This release is only for EX2300, EX2300-C, and EX3400 switches.
16.1R1	Application package 16.1A1
17.1R1	Application package 17.1A1
17.2R1	Application package 17.2A1
17.3R1	Application package 17.3A1

Table 1: J-Web Release Compatibility Matrix *(continued)*

Junos OS Release	Associated J-Web Application Package Release
15.1X53-D57	Application package 15.1X53-A2
17.4R1	Application package 17.4A1
18.1R1	Application package 18.1A1
18.1R2	Application package 18.1A2
18.2R1	Application package 18.2A1
18.2R1 and later and all service releases of 18.2R1 and later	Application package 18.2A2
18.3R1	Application package 18.3A1
18.4R1	Application package 18.4A1
18.4R1 and later and all service releases of 18.4R1 and later	Application package 18.4A2

Any available later version of the Application package for a Junos OS release supersedes the earlier version. We recommend that you install the latest available version of the Application package.

For more information about J-Web packages, see J-Web for EX Series Ethernet Switches.

New and Changed Features

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This section describes the features and enhancements in J-Web Application Package Release 18.4A2.

What's New in J-Web Application Package Release 18.4A2

J-Web Application package Release 18.4A2 and later releases support the following EX Series switches, either as a standalone switches or Virtual Chassis members, in addition to the ones supported on earlier releases.

- EX2300-24MP

- EX2300-48MP

- EX4300-48MP

> NOTE: You can form a Virtual Chassis using EX4300-48MP with legacy EX4300 switch, but EX4300- 48MP will always be the master.

> NOTE: In this release of J-Web, the maximum number of switches that can be configured as part of a Virtual Chassis is 10 switches.
>
> EX2300 switch supports a maximum of 4 switches as part of a Virtual Chassis.

Upgrading to J-Web Application Package

There are two ways in which you can download and install the J-Web Application package:

- Manual update

- CLI procedure

There is a prescribed order for the installation tasks for updating to the Application package from an earlier version or from the Platform package. See to determine the prescribed order of tasks for your installation.

Table 2: Installation Outline

Mode of Installation	Installation Outline
Manual Update	To *manually* check and install the latest J-Web Application package: 1. Go to **Maintain > Update J-Web** in the side pane, and click **Application Package**. 2. Select **Local File** in the Update J-Web window, enter authentication details, download the file to your local system, select the file, and click **Update**.
CLI Procedure	1. Download the J-Web Application package and save it in the switch. 2. Log in to the CLI and enter the operational mode. 3. Install the package using the CLI command **request system software add** *<application package file name>*.

Software Compatibility

To access the J-Web interface for the switch, your management device requires the following software:

- Supported browsers— Microsoft Internet Explorer versions 9 or 10, Mozilla Firefox version 24 through 38, and Google Chrome version 27 through 43.

  > **TIP:** We recommended a screen resolution of 1440 X 900 pixels.

- Language support—English-version browsers

Known Issues and Limitations

This section lists the known issues in the J-Web Application package Release 18.4A2.

Known Issues

The Table 3 on page 8 lists the PR numbers and its description that are known issues in the J-Web Application package Release 18.4A2.

Table 3: Known Issues

PR Number	Problem Description
959505	On EX4300 switches, the structured-data format for system log messages is not supported in the J-Web interface. If system log messages are configured to be written in structured data, the event logs in J-Web is not populated, and you are unable to view them using **Monitor > Events** and **Alarms > View Events**. Workaround: Use the **show log** operational mode command for viewing structured-data format files.
1029736	• In the Maintain > Update J-Web page, Select Application package > Update J-Web> local file does not work in Microsoft IE9 and later releases, because of the default security options set on these browsers. As a workaround, increase the security level: Method 1: 1. Navigate to **Internet Options > Security**. 2. Select the zone **Local intranet**. 3. Click the **custom level** button. 4. Disable the option **Include local directory Path when uploading file to the server** in the **Settings > miscellaneous** section. 5. Repeat Steps 3 and 4 for the zone **Internet**. Method 2: • Navigate to **Internet Options > Security > Custom level...** and set **Reset custom settings** to **Medium-High** or **High**. This automatically disables the option *Include local directory Path when uploading file to the server* under Settings > miscellaneous section.

Known Limitations

The Table 4 on page 9 lists the PR numbers and its description that are known limitations in the J-Web Application package Release 18.4A2.

Table 4: Known Limitations

PR Number	Problem Description
1513612	For Junos OS release 18.X and 19.X and its service releases, the auto update option is not supported. Where X is R1, R2, R3, and R4. To *manually* check and install the latest J-Web Application package: 1. Go to **Maintain** > **Update J-Web** in the side pane, and click **Select Application Package**. 2. Select **Local File** in the Update J-Web window, enter authentication details, download the file to your local system, select the file, and click **Update**.
777372	If a Virtual Chassis contains more than six members, the Support Information page (Maintain > Customer Support > Support information) might not load. This is a known software limitation.
604595	The J-Web interface does not support role-based access control; it supports only users in the super-user authorization class. Therefore, a user who is not in the superuser class, such as a user with view-only permission, is able to launch the J-Web interface and is allowed to configure everything, but the configurations fail on commit, and the switch displays access permission errors. This is a known software limitation.
1026308	If you uninstall the J-Web Platform package by using CLI, reinstalling the Application package will not restore J-Web. Workaround: Reinstall Junos OS software.
1006208	J-Web software does not compare for appropriateness of the Application package or restrict you from installing inappropriate Application package on top of a Platform or Application package. Workaround: Install the appropriate J-Web package.
915069	The J-Web interface does not display CLI generated certificates in the Certificate section in the Management Access Configuration page (Configure > System Properties > Management Access). Using J-Web interface you cannot create or edit certificates. Workaround: Use the CLI interface for accessing certificate related configurations.

Table 4: Known Limitations *(continued)*

PR Number	Problem Description

400814	• In the J-Web interface, you cannot commit some configuration changes in the Ports Configuration page or the VLAN Configuration page because of the following limitations for port-mirroring ports and port-mirroring VLANs:
	
	  • A port configured as the output port for an analyzer cannot be a member of any VLAN other than the default VLAN.
	
	  • A VLAN configured to receive analyzer output can be associated with only one interface.
	
	  This is a known software limitation.
	
	  Workaround: None.

425693	In the J-Web interface, the Ethernet Switching Monitor page (**Monitor > Switching > Ethernet Switching**) might not display monitoring details if the switch has more than 13,000 MAC entries. This is a known software limitation.
866976	When you try to commit your changes to the switch from your laptop by using the EZsetup procedure, the status of the commit operation is displayed as **Success**, even if the laptop is disconnected from the swtich. Workaround: Reconnect your laptop to the switch and commit the changes again.

RELATED DOCUMENTATION

Connecting and Configuring an EX Series Switch (J-Web Procedure)

EX Series Switch Software Features Overview

CLI User Interface Overview