



NMC-RX™ Element Management System for Juniper Networks® Routing Platforms

Release Notes

Release 7.3.1

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Release 7.3.1

These *Release Notes* are for NMC-RX Element Management System Release 7.3.1. Unless specified otherwise, information in these *Release Notes* pertains to both the Windows and Sun Solaris versions of the Release 7.3.1 software.



NOTE: If the information in these *Release Notes* differs from the information found in the product documentation, follow these *Release Notes*.

- Overview on page 1
- New Features and Enhancements on page 2
- Installation Information on page 2
- Known Problems on page 2
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Overview

The NMC-RX application allows you to manage, configure, and monitor the E-series routers in your network and to communicate with them to obtain a complete and accurate picture of the network services that you provide to your customers.

Before You Start

Before you use the NMC-RX application, we suggest that you read these *Release Notes* in their entirety, especially the sections *Known Problems* and *Known Limitations*.

About Release 7.3.1 Documentation

With the NMC-RX application, you receive the following documentation:

- Online Help (integral to the NMC-RX application)
- A PDF version of the *NMC-RX User Guide* (Vol. 1 and Vol. 2)
- A PDF version of the *NMC-RX Release Notes* (this document)

Contacting Customer Service

For technical support, open a support case with the Case Manager link at <http://www.juniper.net/support/> or call 1-888-314-JTAC (from the United States, Canada, or Mexico) or 1-408-745-9500 (from elsewhere).

Updating the NMC-RX License Keys

If you need to update your license keys after you install the NMC-RX application, choose NMC-RX Licensing from the Help menu. In the NMC-RX Licensing Information dialog box, you can change either your Config Sync Services or Provisioning Service license key.

New Features and Enhancements

This release is intended to work with JUNOS Releases 7.3.x, 7.2.x, 7.1.x, 7.0.x, and 6.1.x. The following features and enhancements were added to Release 7.3.1.

PVS Support

This release enables Provisioning Service (PVS) support for JUNOS Releases 8.1 and 8.2.

Installation Information

See *NMC-RX User Guide, Vol. 1, Chapter 2, Installing and Running the NMC-RX Application*.

Solaris software patches 108940-50 and 108652-66 are required to install the NMC-RX application on Solaris 2.8. To find the required patches for your system, visit:

- <http://sunsolve.sun.com/pub-cgi/show.pl?target=patches/patch-access>

Known Problems

This section lists the known problems in Release 7.3.1.

- An error message appears when an update is performed on an E320 line module with only one IOA present and online. The message states that the other IOA is not online. Clicking OK completes the update of the line module and the IOA.

- When you use Add/Remove Programs in Windows to remove the Juniper Networks NMC-RX application, all Config Sync Services are also removed. However, entries for the Config Sync Services still appear in the Add/Remove Programs dialog box.

Workaround: Close, then reopen the Add/Remove Programs dialog box to refresh it and confirm that the Config Sync Services entries no longer appear.

- An SNMP error occurs when you try to configure an IP static route and select a nonbroadcast multiaccess (NBMA) or broadcast IP interface as the next hop. Only IP interfaces with a category of point-to-point can be used as the next hop for an IP static route.
- IP interfaces that you choose for any forward or next interface rules within a policy list must exist on the same virtual router. An SNMP error occurs if you add a forward or next interface rule to the policy list that specifies an IP interface from a different virtual router.

Known Limitations

This section lists the known limitations in Release 7.3.1.

- The Provisioning Service (PVS) supports up to twenty CORBA clients connected at the same time. The limitation is that the CORBA clients cannot initialize their connections to PVS simultaneously. Each CORBA client needs to be started and initiate its connection to PVS one at a time. After the client's initial connection to PVS has been made, PVS can support requests from other clients (up to 20) at the same time.
- When you click Install in the Pre-Install Summary dialog box during installation, there is a short amount of time when the database updates. If you click Cancel during this time, the database remains locked for the installation of additional Config Sync Services.

Recommendation: Do not click Cancel after the installation begins. Instead, allow the installation to complete, and then use the NMC-RX Uninstaller or Config Sync Services uninstaller to remove the desired components.
- When you use Bulk Services to create a large number of objects, limit the number of objects to a maximum of 9000. Otherwise, you run the risk of running out of memory. To create additional objects, you can exit the NMC-RX application and then restart it.
- Currently, the NMC-RX application allows you to start multiple Polling Services at the same time. Only one Polling Service is actually used by the application. There is no disruption of service if you start additional services; however, it is a waste of resources to do so, and currently no error message is displayed to indicate any displacement of the service being used. All instances of polling should be closed, and only one restarted.
- When the Config Sync Services and the Polling Service are started before the database has completely initialized, an error occurs.

Recommendation: Wait until the database is initialized before launching other NMC-RX components. If an error has occurred, close all NMC-RX components (including the database) and start over.

- An error may occur if, during a device update, you attempt to make changes to a scheduled task and save them.

Workaround: Wait until the device has been updated, and then edit the scheduled tasks.

Troubleshooting

If any of the following conditions appear, try the suggested workaround(s).

- Two causes prevent WebHelp from starting on Solaris:
 - You have not defined the Netscape path in the PATH variable. This results in an error message being displayed in the NMC-RX window.

Workaround: Define the Netscape path.

- You may not have permission to connect to the X server. This prevents Netscape from being started. When this happens, no error message is generated, and you may think that the online help does not work properly.

Workaround: Enter the command **xhost < *hostname* >** in a terminal window. Doing this disables the X server security and allows the Netscape browser to be displayed.