



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

## **Release Notes**

*Release 7.2.0*

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# Release 7.2.0

These *Release Notes* are for NMC-RX Element Management System Release 7.2.0. Unless specified otherwise, information in these *Release Notes* pertains to both the Windows and Sun Solaris versions of the release 7.2.0 software.



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

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## Overview

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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 7.2.0 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

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No new features were added to NMC-RX Release 7.2.0.

This release is intended to work with JUNOS Releases 7.2.x, 7.1.x, 7.0.x, 6.1.x, and 6.0.x.

### Installation Information

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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

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This section lists the known problems in release 7.2.0.

- 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

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This section lists the known limitations in Release 7.2.0.

- When you click Install on 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.
- 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 will be 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

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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.

## Fixed Problems

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The following problems reported in previous releases have been fixed:

- The error message “Trap Destination: Trap Host may no longer be configured on device. Please perform update.” might incorrectly appear in the following two scenarios:
  - When you are configuring a nondefault virtual router and the Add/Remove Trap Destinations dialog box is displayed, the error message may incorrectly appear when a trap host is selected in the Selected Destinations table in the dialog box.  
**Workaround:** Select each of the trap hosts listed on the Trap Destination tab of a nondefault virtual router before displaying the Add/Remove Trap Destinations dialog box.
  - When you are configuring a trap destination and the Add/Remove Devices dialog box is displayed, the error message may incorrectly appear when a nondefault virtual router is selected in the Selected Virtual Routers table in the dialog box.  
**Workaround:** Select each of the nondefault virtual routers listed on the Associated Devices tab of the Trap Destinations dialog box before displaying the Add/Remove Devices dialog box.
- An SNMP error occurs when the OAM Loopback Frequency on an ATM Circuit is set to 0. The valid range is 1 to 600.