

JUNOScope 6.0 Software Release Notes

Release 6.0R2
2 October 2003
Part No. 530-009693-01
Revision 3

These release notes accompany Release 6.0R2 of the JUNOScope software. They describe the key features, documentation, and known problems with the software.

You can also find these release notes on the Juniper Networks technical documentation Web page, which is located at <https://www.juniper.net/techpubs/software/management/junoscope/index.html>.

Contents	Product and Related Documentation.....	2
	Release 6.0 Features	3
	Current Software Release	4
	Resolved Issues	4
	Outstanding Issues	4
	Errata	5
	Installation Instructions	6
	System Requirements	6
	Install the JUNOScope Software from the CD-ROM	6
	Download the JUNOScope Software from the Software Download Page	7
	Contact Juniper Networks.....	7
	Revision History	7

Product and Related Documentation

Table 1 lists the JUNOScope product documentation, as well as related software and hardware books for Juniper Networks routers, and describes the contents of each book.

Table 1: Juniper Networks Technical Documentation

Book	Description
JUNOScope Software	
<i>JUNOScope Software Guide</i>	Describes the JUNOScope software graphical user interface (GUI), how to install and administer the software, and how to use the software to manage router configuration files and monitor router operations.
Release Notes	
<i>JUNOScope Software Release Notes</i>	Describes the key features, documentation, installation, and known problems with the JUNOScope software
<i>JUNOS Internet Software Release Notes</i>	Provide a summary of new features for a particular software release. Software release notes also contain corrections and updates to published JUNOS and JUNOScript manuals, provide information that might have been omitted from the manuals, and describe upgrade and downgrade procedures.
<i>Hardware Release Notes</i>	Describe the available documentation for the router platform and summarize known problems with the hardware and accompanying software. Each platform has its own release notes.
JUNOS Internet Software Configuration Guides	
<i>Feature Guide</i>	Provides a detailed explanation and configuration examples for several of the most complex features in the JUNOS software.
<i>Getting Started</i>	Provides an overview of the JUNOS software and describes how to install and upgrade the software. This manual also describes how to configure system management functions and how to configure the chassis, including user accounts, passwords, and redundancy.
<i>MPLS Applications</i>	Provides an overview of traffic engineering concepts and describes how to configure traffic engineering protocols.
<i>Multicast</i>	Provides an overview of multicast concepts and describes how to configure multicast routing protocols.
<i>Network Interfaces and Class of Service</i>	Provides an overview of the network interface and class-of-service functions of the JUNOS software and describes how to configure the network and services interfaces on the router.
<i>Network Management</i>	Provides an overview of network management concepts and describes how to configure various network management features, such as SNMP, accounting options, and cflowd.
<i>Policy Framework</i>	Provides an overview of policy concepts and describes how to configure routing policy, firewall filters, and forwarding options.
<i>Routing and Routing Protocols</i>	Provides an overview of routing concepts and describes how to configure routing, routing instances, and unicast routing protocols.
<i>Services Interfaces</i>	Provides an overview of the services interfaces functions of the JUNOS software and describes how to configure the services interfaces on the router.
<i>VPNs</i>	Provides an overview of Layer 2 and Layer 3 Virtual Private Networks (VPNs), describes how to configure VPNs, and provides configuration examples.

Book	Description
JUNOS Internet Software References	
<i>Operational Mode Command Reference: Interfaces</i>	Describes the JUNOS Internet software operational mode commands you use to monitor and troubleshoot network and services interfaces on Juniper Networks M-series and T-series routers.
<i>Operational Mode Command Reference: Protocols, Class of Service, Chassis, and Management</i>	Describes the JUNOS Internet software operational mode commands you use to monitor and troubleshoot most aspects of Juniper Networks M-series and T-series routers.
<i>System Log Messages Reference</i>	Describes how to access and interpret system log messages generated by JUNOS software modules and provides a reference page for each message.
JUNOScript API Documentation	
<i>JUNOScript API Guide</i>	Describes how to use the JUNOScript API to monitor and configure Juniper Networks routers.
<i>JUNOScript API Reference</i>	Provides a reference page for each tag in the JUNOScript API.
JUNOS Internet Software Comprehensive Index	
<i>Comprehensive Index</i>	Provides a complete index of all JUNOS Internet software books and the <i>JUNOScript API Guide</i> .
Hardware Documentation	
<i>Hardware Guide</i>	Describes how to install, maintain, and troubleshoot routers and router components. Each platform has its own hardware guide.
<i>PIC Guide</i>	Describes the router Physical Interface Cards (PICs). Each router platform has its own PIC guide.

Release 6.0 Features

The following features are included in the JUNOScope 6.0 software.

- Configuration File Management** The JUNOScope software lets you manage router configuration files, including archiving, displaying, comparing, and restoring them.
- Operation Management** The JUNOScope software lets you view the archive configuration file operations that have run and the next time they will run. It lets you view the condition of all archive and restore operations that have run on all devices, groups, and selected devices.
- Looking Glass Tool Kit** The Looking Glass tool kit provides a graphical user interface (GUI) for viewing device status and troubleshooting information from M-series and T-series routing platforms, including general router, chassis, interfaces, route, and system, and routing protocol information.

Current Software Release

The current JUNOScope software release is Release 6.0R2.

Resolved Issues

The following issues have been resolved since JUNOScope Release 6.0R1. The identifier following the description is the tracking number in our database.

- | | |
|---------------------------------|---|
| Configuration Management | If you changed the name of a device, instead of changing the archive entry for the device in the Compare, Display, and Restore Archives dialog boxes, the software created a new database entry, but kept the old archive repository entry. You now cannot change the device name; you must delete the old entry and add a new archive entry with the new device name. [PR/36267] |
| Looking Glass Tool Kit | Within Looking Glass, the Expand and Hide buttons on the Hardware Summary page did not work correctly because the Microsoft Internet Explorer 5 browser does not support the CSS 1.0 tag "display". The fix works around this lack of support and enables the Expand and Hide buttons to work correctly. [PR/35804] |

Outstanding Issues

This section lists outstanding issues with this release of the JUNOScope software. The identifier following the description is the tracking number in our bug database.

- | | |
|---------------------------------|---|
| Administration | The JUNOScope software allows the administrator to set up user accounts for performing authorized JUNOScope operations. However, the software does not distinguish users when showing operation status. [PR/33648] |
| Configuration Management | <p>If an archived configuration with a long line of configuration statements, is displayed in the Display Archived Configuration Results dialog box, the right side of the dialog box border goes past the right side of the browser window, which realigns the buttons in the dialog box. [PR/33532]</p> <p>If you are archiving the configurations of many routers using several scheduling operations, an operation may fail to be reschedule after it executes. As a workaround, manually reschedule the operation. [PR/35091]</p> <p>If you try to archive a configuration file that has not changed since the last archive was performed, the JUNOScope software displays the message "Successfully archived," but does not archive the configuration. [PR/36717]</p> |
| Online Help | The Related Topics in each Help topic do not work. As a workaround, see the <i>JUNOScope Software Guide</i> . [PR/36716] |

Errata

This section lists outstanding issues with the documentation.

The size of the JUNOScope Operations Status table increases whenever you archive or restore a configuration file. To reduce the size of the table and reduce file size, follow these steps:

1. On the UNIX server on which the JUNOScope software is installed, change to the following directory:

```
hostname% cd install-directory/jtk/bin
```

2. Run the following script:

```
hostname% clear_status_table.sh -m months
```

months is the number of months to clear records from the Operations Status table file. The default is 6 months. [*JUNOScope Guide*]

If you click the Reload or Refresh button while using the JUNOScope software, the browser displays the default home page instead of reloading or refreshing the currently displayed JUNOScope window. [*JUNOScope Guide*]

Installation Instructions

You can install the JUNOScope software in one of the following ways:

Install the JUNOScope Software from the CD-ROM on page 6

Download the JUNOScope Software from the Software Download Page on page 7

For more information about installing JUNOScope, see the *JUNOScope Software Guide*.

System Requirements

Before you install the JUNOScope software, ensure that the UNIX server workstation on which you install the software meets the requirements shown in Table 2.

Table 2: JUNOScope Software Server Workstation Requirements

Server	Recommended Requirement
Workstation type	UltraSPARC III or equivalent
Operating system	Solaris 5.8 or later
RAM	1 gigabyte
Disk space	750 megabytes

On the client workstation, to connect to the JUNOScope server and to the JUNOScope software, you need an Internet Web browser, either Microsoft Internet Explorer 6 or Netscape Navigator 6 or later.

Install the JUNOScope Software from the CD-ROM

To install the JUNOScope software from the product CD-ROM, follow these steps:

1. Insert the JUNOScope software CD-ROM into the CD-ROM drive of the server workstation.
2. Mount the CD-ROM.

If vold, the volume management (volmgt) daemon is running on your server, the CD-ROM automatically mounts. To mount the CD-ROM manually, follow the procedure for your operating system.

3. Start the JUNOScope installation:

```
hostname% cdrom-mount-directory/jtk-installer install-directory
```

cdrom-mount-directory is the directory to which the CD-ROM is mounted. It is either /mnt, /cdrom, or /cdrom/JUNOScope depending on your host setup.

If you do not specify an installation directory for the JUNOScope software, the software is installed in the current directory.

For more information about installing JUNOScope, see the *JUNOScope Software Guide*.

Download the JUNOScope Software from the Software Download Page

To download the JUNOScope software from the Juniper Networks Web site and start the JUNOScope installation, follow these steps:

1. Using a Web browser, go to the following location:

`https://www.juniper.net/support/csc/swdist-encr/swdist-jtk`

2. Log in to the Juniper Networks authentication system using the username (generally your e-mail address) and password supplied by a Juniper Networks representative.
3. Download the JUNOScope software to the server workstation.
4. Start the JUNOScope installation program:

`hostname% download-directory/jtk-install-6.0R2.4-sunos5-sparc install-directory`

download-directory the directory from which you download the JUNOScope software, and *install-directory* is the directory to which you install the JUNOScope software

For information about installing JUNOScope, see the *JUNOScope Software Guide*.

Contact Juniper Networks

For technical support, contact Juniper Networks at support@juniper.net.

Revision History

2 October 2003—Revised to include a new install package.

26 September 2003—Release 6.0R2.

24 July 2003—Release 6.0R1. Initial release notes.

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