

JUNOScope 6.1 Software Release Notes

Release 6.1R4
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Revision 4

These release notes accompany Release 6.1R4 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 Web page, which is located at <http://www.juniper.net/techpubs/>.

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Release 6.1 Features

The following features have been added to JUNOScope Release 6.1:

- You can import setup data from another JUNOScope server using an import Extensible Markup Language (XML) file, and you can export setup to an XML file for backup or importing later.
- When you add a device, the JUNOScope software connects to the device and displays the device hostname, domain name, hardware model number, software version number, and number of Routing Engines.
- The Looking Glass tool kit includes more monitoring and troubleshooting commands, including virtual private network (VPN), Multiprotocol Label Switching (MPLS), Resource Reservation Protocol (RSVP), multicast, Protocol Independent Multicast (PIM), Label Distribution Protocol (LDP), and system-level commands.
- A new Configuration Browser tool kit provides a graphical user interface (GUI) for viewing the committed configuration on a selected routing platform in brief, detailed, and inheritance modes.

Current Software Release

The current JUNOScope software release is Release 6.1R4.

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.

- Online Help**
- The Related Topics in each help topic do not work. As a workaround, see the *JUNOScope Software Guide*. [PR/36716]

Previous Releases

Release 6.1R2

The following issues have been resolved since the previous JUNOScope software release. The identifier following the description is the tracking number in our database.

- Configuration Management**
- If an archived configuration that contains a long line of configuration statements was displayed in the Display Archived Configuration Results dialog box, the right side of the dialog box border extended past the right side of the browser window, which realigned the buttons in the dialog box. [PR/33532]

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- 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. Now to change a device name, you must delete the old entry with the old device name and add a new archive entry with the new device name. [PR/36267]
 - If you tried to archive a configuration file that had not changed since the last archive was performed, the JUNOScope software displayed the message “Successfully archived,” but did not archive the configuration. [PR/36717]
- Looking Glass Tool Kit**
- Within the Looking Glass tool kit, 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". This fix worked around this lack of support, enabling the Expand and Hide buttons to work correctly. [PR/35804]
- Online Help**
- There was no help icon in the Looking Glass tool kit to display online help. As a workaround, you had to consult the *JUNOScope Software Guide*. [PR/36715]

Errata

This section lists outstanding issues with the documentation.

- Configuration Browser**
- When the Configuration Browser displays a router configuration, the right window pane displays the configuration first; then after a short delay, the left window pane displays the configuration hierarchy. Do not click in the left window pane until the configuration hierarchy displays. There is no workaround. [JUNOScope Software Guide]

Installation, Reinstallation, Upgrade, and Downgrade Instructions

- To install the JUNOScope software, see “Install the JUNOScope Software from the CD-ROM” on page 4 or “Download the JUNOScope Software from the Software Download Page” on page 4.
- To reinstall, upgrade, or downgrade the JUNOScope software, see “Reinstall, Upgrade, or Downgrade the JUNOScope Software” on page 5.

System Requirements

Before you install the JUNOScope software, ensure that the UNIX server workstation on which you install the software meets the system requirements shown in Table 1.

Table 1: JUNOScope Software System Requirements

System	Requirement
Workstation	UltraSPARC III or equivalent
Operating system	Solaris 5.8 or later
RAM	1 GB
Disk space	750 MB

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

Install the JUNOScope Software from the CD-ROM

To install the JUNOScope installation 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 the volume management (volmgt) daemon, vold, 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.

install-directory is the directory into which to install the JUNOScope software. If you do not specify an installation directory, the software is installed in the current directory.

For more information about installing the JUNOScope software, 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-6.1R4.X-sunos5-sparc install-directory
```

download-directory is the directory into which you downloaded the JUNOScope software from the software download page.

jtk-install-6.1R4.X-sunos5-sparc.sh is the JUNOScope software file, and *X* is the final software version to download.

install-directory is the directory in which to install the JUNOScope software. If you do not specify an installation directory, the software is installed in the current directory.

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

Reinstall, Upgrade, or Downgrade the JUNOScope Software

The process for reinstalling, upgrading, or downgrading the JUNOScope software is the same as for installing or downloading the software. To reinstall, upgrade, or downgrade the JUNOScope software, follow the instructions in “Install the JUNOScope Software from the CD-ROM” on page 4 or “Download the JUNOScope Software from the Software Download Page” on page 4.

The JUNOScope software installation program saves the settings that you set for the previous installation. You can change these settings when you run the installation program again. You cannot change some settings, such as passwords, when you reconfigure, since the JUNOScope software does not use them again.

To reinstall, upgrade, or downgrade the JUNOScope software, you must use the same user ID as the one used for the currently installed software.

Product and Related Documentation

Table 2 lists the software and hardware books for Juniper Networks routers and describes the contents of each book.

Table 2: Juniper Networks Technical Documentation

Book	Description
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 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 and describes how to configure Layer 2 and Layer 3 virtual private networks (VPNs), virtual private LAN service (VPLS), and Layer 2 circuits. 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 and Glossary	
<i>Comprehensive Index and Glossary</i>	Provides a complete index of all JUNOS Internet software books and the <i>JUNOScript API Guide</i> . Also provides a comprehensive glossary.
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.
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>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.
<i>JUNOScope Software Release Notes</i>	Contain corrections and updates to the published JUNOScope manual, provide information that might have been omitted from the manual, and describe upgrade and downgrade procedures.

Contact Juniper Networks

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

For documentation issues, fill out the bug report form located at:
<http://www.juniper.net/techpubs/docbug/docbugreport.html>.

Revision History

24 May 2004—Revision 4 for Release 6.1R4

26 February—Revision 3 for Release 6.1R3

26 November 2003—Revision 2 for Release 6.1R2

9 October 2003—Revision 1 for Release 6.1R1

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