

Chapter 5

Display JUNOS Software Information

This chapter describes how to display the hostname and version information for the JUNOS software running on a router. (See Table 19.)

Table 19: Checklist for Displaying JUNOS Software Information

Tasks for Displaying JUNOS Software Information and Status	Command or Action
Display JUNOS Software Information on page 46	show version
Display Version Information for JUNOS Software Packages on page 47	show version brief

Display JUNOS Software Information

Purpose Display JUNOS software information and status to determine if the version of JUNOS software that you are running supports particular features or hardware. You can also determine whether particular software bugs will affect your version of JUNOS software.

Action To display JUNOS software information, use the following JUNOS command-line interface (CLI) operational mode command:

```
user@host> show version
```

Sample Output

```
user@host> show version
Hostname: my-router.net
Model: m160
JUNOS Base OS boot [5.5R2.3]
JUNOS Base OS Software Suite [5.5R2.3]
JUNOS Kernel Software Suite [5.5R2.3]
JUNOS Packet Forwarding Engine Support [5.5R2.3]
JUNOS Routing Software Suite [5.5R2.3]
JUNOS Online Documentation [5.5R2.3]
JUNOS Crypto Software Suite [5.5R2.3]
KERNEL 5.5R2.3 #0 built by builder on 2002-11-21 22:56:20 UTC
MGD release 5.5R2.3 built by builder on 2002-11-21 22:36:05 UTC
CLI release 5.5R2.3 built by builder on 2002-11-21 22:33:44 UTC
CHASSISD release 5.5R2.3 built by builder on 2002-11-21 22:32:10 UTC
DCD release 5.5R2.3 built by builder on 2002-11-21 22:30:06 UTC
RPD release 5.5R2.3 built by builder on 2002-11-21 22:37:08 UTC
SNMPD release 5.5R2.3 built by builder on 2002-11-21 22:43:14 UTC
MIB2D release 5.5R2.3 built by builder on 2002-11-21 22:36:10 UTC
APSD release 5.5R2.3 built by builder on 2002-11-21 22:32:07 UTC
VRRPD release 5.5R2.3 built by builder on 2002-11-21 22:43:26 UTC
ALARM release 5.5R2.3 built by builder on 2002-11-21 22:32:01 UTC
PFED release 5.5R2.3 built by builder on 2002-11-21 22:36:53 UTC
CRAFTD release 5.5R2.3 built by builder on 2002-11-21 22:33:59 UTC
SAMPLED release 5.5R2.3 built by builder on 2002-11-21 22:43:01 UTC
ILMID release 5.5R2.3 built by builder on 2002-11-21 22:35:17 UTC
RMOPD release 5.5R2.3 built by builder on 2002-11-21 22:37:01 UTC
COSD release 5.5R2.3 built by builder on 2002-11-21 22:33:50 UTC
KMD release 5.5R2.3 built by builder on 2002-11-21 22:35:29 UTC
FSAD release 5.5R2.3 built by builder on 2002-11-21 22:34:14 UTC
SERVICED release 5.5R2.3 built by builder on 2002-11-21 22:43:07 UTC
IRSD release 5.5R2.3 built by builder on 2002-11-21 22:35:21 UTC
NASD release 5.5R2.3 built by builder on 2002-11-21 22:36:47 UTC
FUD release 5.5R2.3 built by builder on 2002-11-21 22:34:17 UTC
PPMD release 5.5R2.3 built by builder on 2002-11-21 22:36:58 UTC
LMPD release 5.5R2.3 built by builder on 2002-11-21 22:36:01 UTC
RTSPD release 5.5R2.3 built by builder on 2002-11-21 22:42:58 UTC
SMARTD release 5.5R2.3 built by builder on 2002-11-21 22:47:50 UTC
jkernel-dd release 5.5R2.3 built by builder on 2002-11-21 22:27:20 UTC
jroute-dd release 5.5R2.3 built by builder on 2002-11-21 22:27:34 UTC
jcrypto-dd release 5.5R2.3 built by builder on 2002-11-21 22:27:46 UTC
```

What It Means The sample output shows the hostname, the version information for the JUNOS software packages installed on the machine, and the version information for each software process.

Display Version Information for JUNOS Software Packages

Purpose Display version information for JUNOS software packages to determine if they support particular features or hardware. You can also determine whether particular software bugs will affect your version of JUNOS software.

Action To display brief information and status for the kernel and Packet Forwarding Engine, use the following CLI operational mode command:

```
user@host> show version brief
```

Sample Output The following sample output is for worldwide nonencrypted JUNOS software:

```
user@host> show version brief
Hostname: my-router.net
Model: m10
JUNOS Base OS boot [5.5R2.3]
JUNOS Base OS Software Suite [5.5R2.3]
JUNOS Kernel Software Suite [5.5R2.3]
JUNOS Packet Forwarding Engine Support [5.5R2.3]
JUNOS Routing Software Suite [5.5R2.3]
JUNOS Online Documentation [5.5R2.3]
```

The following sample output is for Canada and USA encrypted JUNOS software:

```
user@host> show version brief
Hostname: my-router.net
Model: m10
JUNOS Base OS boot [5.5R2.3]
JUNOS Base OS Software Suite [5.5R2.3]
JUNOS Kernel Software Suite [5.5R2.3]
JUNOS Packet Forwarding Engine Support [5.5R2.3]
JUNOS Routing Software Suite [5.5R2.3]
JUNOS Online Documentation [5.5R2.3]
JUNOS Crypto Software Suite [5.5R2.3]
```

What It Means The sample output shows version information for the JUNOS software packages installed on the router. If the **JUNOS Crypto Software Suite** is listed the router has Canada and USA encrypted JUNOS software. If the **JUNOS Crypto Software Suite** is not listed, the router is running worldwide nonencrypted JUNOS software.

