Juniper Networks NetScreen-50

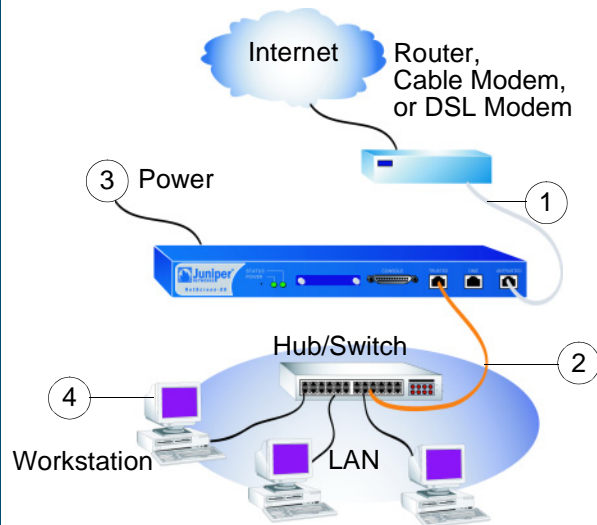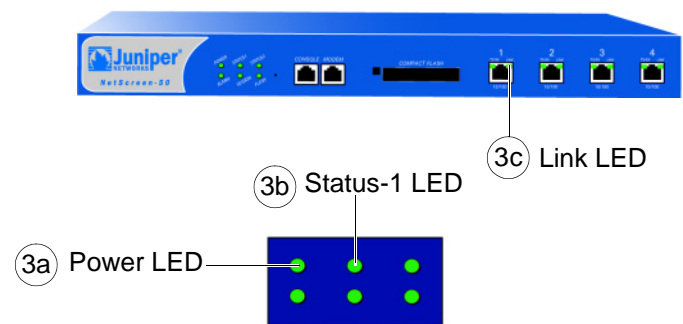**Juniper NETWORKS**®

Getting Started

Use the instructions in this guide to help you connect and configure your NetScreen-50. For more configuration examples and details, see the NetScreen-50 User's Guide *and the* NetScreen Concepts & Examples ScreenOS Reference Guide.

CONNECTING THE DEVICE

Using the instructions below, connect the NetScreen-50 and prepare to configure it to protect your network. Use the LEDs on the front panel of the device to help you determine its status.

Step 1
Connect an Ethernet cable from the ethernet3 port of the NetScreen-50 to the external router, cable modem, or DSL modem.

Step 2
Connect an Ethernet cable from the ethernet1 port to the internal switch or hub.

Step 3
Connect the power cable between the NetScreen-50 and a power source. Juniper Networks recommends using a surge protector.

a. Ensure that the Power LED glows green. This indicates the device is receiving power.

b. After the device starts (about 30 seconds), ensure that the Status-1 LED blinks green. This indicates the device is operating normally.

c. Ensure that the Link LEDs glow green for the connected interfaces. This indicates the device has network connectivity.

Step 4
Configure the workstation to access the NetScreen-50 via a Web browser:

a. Ensure that your workstation is properly connected to your LAN (see diagram).

b. Record the IP address and netmask of your workstation. You need to re-enter them later in this process.

c. Change the IP address and netmask of your workstation to 192.168.1.2 and 255.255.255.0, respectively. For help, see the operating system documentation for your workstation.

d. If necessary, restart the workstation to enable the changes to take effect. The workstation is now part of the same subnetwork as the NetScreen-50 default IP address, which is 192.168.1.1.

CONFIGURING THE DEVICE

Use the Initial Configuration Wizard to configure the NetScreen-50. Before starting the Wizard, decide how you want to deploy your device. (For additional information, see the *NetScreen-50 User's Guide*.)

Trust Zone Interface IP Address. The default IP address and netmask for the Trust zone interface is 192.168.1.1/24. You can change this address to match IP addresses that exist on your network.
Assigning IP Addresses to Hosts in the Trust Zone (Enabling DHCP Server). You can choose to have the NetScreen-50 assign IP

addresses, via DHCP, to hosts in your network. If you have the NetScreen-50 assign IP addresses, then you can define the range of addresses to be assigned. You need to ensure that the range of addresses is in the same subnetwork as the Trust zone interface IP address.

Step 1

Launch a Web browser. In the URL address field, enter **http://192.168.1.1** or **http://ns.setup**. The Rapid Deployment (RD) Wizard appears.

Step 2

If your network uses Juniper Networks NetScreen-Security Manager 2004, you can use an RD configlet to automatically configure the NetScreen-50. Obtain a configlet from your Security Manager administrator, select the **Yes** option, click in the **Load Configlet from** field, browse to the file location, and then click **Next**.

If you want to bypass the configuration wizard and go directly to the WebUI, select the last option, and then click **Next**.

If you are not using a configlet to configure the NetScreen-50 and you want to use the configuration wizard, select the first option, then click **Next**. The Initial Configuration Wizard screen appears.

Click **Next**.

Step 3

Enter a new administrator login name and password, and then click **Next**.

Step 4

Select the zones to which each interface is bound. Click **Next**.

Step 5

To change the IP address of the Trust zone interface, enter a new IP address and netmask. If you change the IP address and netmask of the Trust zone interface, then your workstation and the Trust zone interface of the NetScreen-50 might be in different subnetworks. To manage the NetScreen-50 with the WebUI, ensure that your workstation and the NetScreen-50 are in the same subnetwork. Click **Next**.

Note: To change the IP address of the Untrust or DMZ zone interfaces, enter a new IP address and netmask. If you are using DHCP or PPPoE to assign an IP address for these interfaces, then leave the fields blank. You need to configure the addresses after you have completed the Initial Configuration Wizard. Please refer to Step 9 to assign IP addresses.

Step 6

You can choose to have the NetScreen-50 assign IP addresses to hosts in your network.

- Select **Yes** if the NetScreen-50 is to act as a DHCP server and assign dynamic IP addresses to hosts in the Trust zone interface. Enter a range for the assigned IP addresses or enter the address(es) of the DNS server(s). If you specify an IP address range in a different subnetwork than the Trust subnetwork, then

your workstation and the Trust zone interface of the NetScreen-50 might be in different subnetworks. To manage the NetScreen-50 using the WebUI, ensure that your workstation and the NetScreen-50 are in the same subnetwork.

- Select **No** if you do not want the NetScreen-50 to assign IP addresses to hosts in the Trust zone interface.

Click **Next**.

Step 7

A confirmation screen like the above appears:

- Click **Previous** to re-enter configuration information.
- Click **Next** to enter the configuration.

The NetScreen-50 reboots after clicking **Next**.

Step 8

At the final review configuration window, click **Finish**.

Note: If you left blanks in Step 5, then you need to configure the Untrust interface. Proceed to Step 9 to configure the Untrust interface.

Step 9

To configure the NetScreen-50 to receive an IP address via DHCP or PPPoE:

a. Launch a Web browser and, in the URL address field, enter **http://192.168.1.1** or the new IP address you entered in Step 5. The login dialog box appears.

b. Both the admin name and password are case-sensitive. In the dialog box, enter the admin name and password you specified in Step 3.

c.   Click **Login**.

Step 10

To configure the **ethernet3** interface:

a.   Select **Network > Interfaces > Edit** for the **ethernet3** interface.

Interface Name ethernet3 (mac 0010.dbff.2060)
As member of loopback group none ▾
As member of group none ▾
Zone Name Untrust ▾

○ Obtain IP using DHCP   ☐ Automatic update DHCP server parameters
○ Obtain IP using PPPoE   None ▾   Create new pppoe setting
                           [Connect]   Status:
⦿ Static IP
IP Address / Netmask _____ / _____   ☑ Manageable
Manage IP * _____   (mac 0010.db18.2396)

b.   If your ISP is using PPPoE, select **Create new PPPoE settings**. Enter a name for the PPPoE instance, then enter the admin name and password provided by your ISP. Click **OK**. Select **Obtain IP using PPPoE**, then select the PPPoE instance you configured. Click **OK**.

or

c.   If your ISP is using DHCP, select **Obtain IP using DHCP**, scroll down, then click **OK**.

Your NetScreen configuration is complete.

BASIC SECURITY AND POLICY ADMINISTRATION

You must register your product at www.netscreen.com/cso to activate certain NetScreen ScreenOS services, like the Deep Inspection Signature Service. After registering, use the WebUI or CLI to obtain the subscription for the service.

Step 1

Using Policy Wizards. By default, the NetScreen-50 permits workstations in your network to start sessions with outside workstations, while outside workstations cannot start sessions with your workstations. You can set access policies that tell the NetScreen-50 what kinds of sessions to restrict or permit.

To set a policy to restrict the kinds of traffic that can be initiated from inside your network to go out to the Internet, or to permit certain kinds of traffic that can be initiated from outside workstations to your network, use the WebUI Policy Wizard. In the WebUI menu column, click **Wizards > Policy**. Follow the directions in the Wizard to configure a policy.

For details on setting policies, see the *NetScreen Concepts & Examples ScreenOS Reference Guide*.

Step 2

Using Protection Options. The firewall attack protection (SCREEN) menu enables you to tailor detection and threshold levels for a range of potential attacks.

a.   In the WebUI menu column, click **Screening > Screen**

b.   Select the zone for which you want to configure firewall attack protection.

c.   Select the appropriate protection options, then click **Apply**. Remember these features must be configured on each zone where they are required.

Step 3

Verifying Access. To verify that workstations in your network can access resources on the Internet, start a Web browser from any workstation in the network and enter the URL: www.juniper.net.