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

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.

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

**Initial Configuration Wizard**

Configure the IP address and subnet mask for the interfaces.

If you do not know the IP address and subnet mask for these interfaces at this time, you can leave the fields blank and configure them after you complete the Initial Configuration Wizard.

Note: You can only configure DHCP and PPPoE using the CLI or the WebUI after you complete the Initial Configuration Wizard.

<table>
<thead>
<tr>
<th>Interface Zone</th>
<th>IP / Netmask</th>
</tr>
</thead>
<tbody>
<tr>
<td>ethernet1 Trust</td>
<td>192.168.1.1 / 255.255.255.0</td>
</tr>
<tr>
<td>ethernet2 DMZ</td>
<td>/</td>
</tr>
<tr>
<td>ethernet3 Untrust</td>
<td>/</td>
</tr>
</tbody>
</table>

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.

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.

**Step 7**

**Initial Configuration Wizard**

Before proceeding further, review the following settings:

<table>
<thead>
<tr>
<th>Interface Zone</th>
<th>IP / Netmask</th>
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<tbody>
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<td>ethernet2 DMZ</td>
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</tr>
<tr>
<td>ethernet3 Untrust</td>
<td>/</td>
</tr>
</tbody>
</table>

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.

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.

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.
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.