

## Applying NAT Rules to Traffic

---

After you protect an access with a firewall and have obtained one or more public IP addresses for the access, you can apply the following types of NAT rules to traffic on the access.

- Public addresses for outgoing traffic

Also known as *dynamic source NAT*, this type of NAT allows computers with private IP addresses in a private network to share a small set of public IP addresses for outgoing connections. For example, employees in an enterprise can use these public IP address for browsing the Web. You can specify the source IP addresses and, optionally, the ports that the outgoing traffic will use.

- Public addresses for incoming traffic

Also known as *static destination NAT*, this type of NAT allows you to expose to the world a server, such as a Web server, that has a private IP address in your private network. You specify a public IP address, and incoming connections destined for that public IP address will be received by your server at its private IP address.

- Fixed public addresses for outgoing traffic

Also known as *static source NAT*, this type of NAT allows you to specify the public source IP to be used for specific outgoing traffic. To specify this type of NAT you must set the configuration level of the portal to Advanced (see Setting the Configuration Level for Enterprise Manager Portal).

Enterprise Manager Portal ensures that the SAE activates a basic firewall service before it activates a NAT service.

To apply NAT rules to traffic on JUNOS routing platforms:

1. In the navigation pane of Enterprise Manager Portal, click the access that connects to the router.
2. Click the **NAT** tab.

The NAT page appears.

**Figure 1: NAT Page**

Virneo Enterprise Portal

Log out

Navigation

ent-admin

default

local

ABCInc

Acme

Boca

Backup

Primary

Ottawa

Toronto

retailer-one

retailer-two

SP

virtual-SP

Refresh

default local Acme Boca Backup

Bandwidth & VPNs Applications Firewall Addresses NAT Schedules Managers

Public Addresses for Outgoing Traffic

Address Range	Port Range	Enabled	
From: 192.0.2.22	From:	<input type="checkbox"/>	Create
To: 192.0.2.22	To:		

Public Addresses for Incoming Traffic

Priority	Name	Public IP	Private IP	Application	Enabled	
		192.0.2.22		Any	<input type="checkbox"/>	Create

Fixed Public Addresses for Outgoing Traffic

Priority	Name	Private IP	Public IP	Application	Enabled	
			192.0.2.22	Any	<input type="checkbox"/>	Create

© Virneo 2004

3. Configure NAT for incoming and outgoing interfaces on the router.

#### Related Topics

- Configuring Public IP Addresses for Outgoing Traffic
- Configuring Public IP Addresses for Incoming Traffic