

**Qwest® Premium Networking Modem:
Motorola® 3347**

How to Forward IP Ports

*Only experienced network administrators should perform this process.
Qwest technical support doesn't support this process.*



Use this document if:

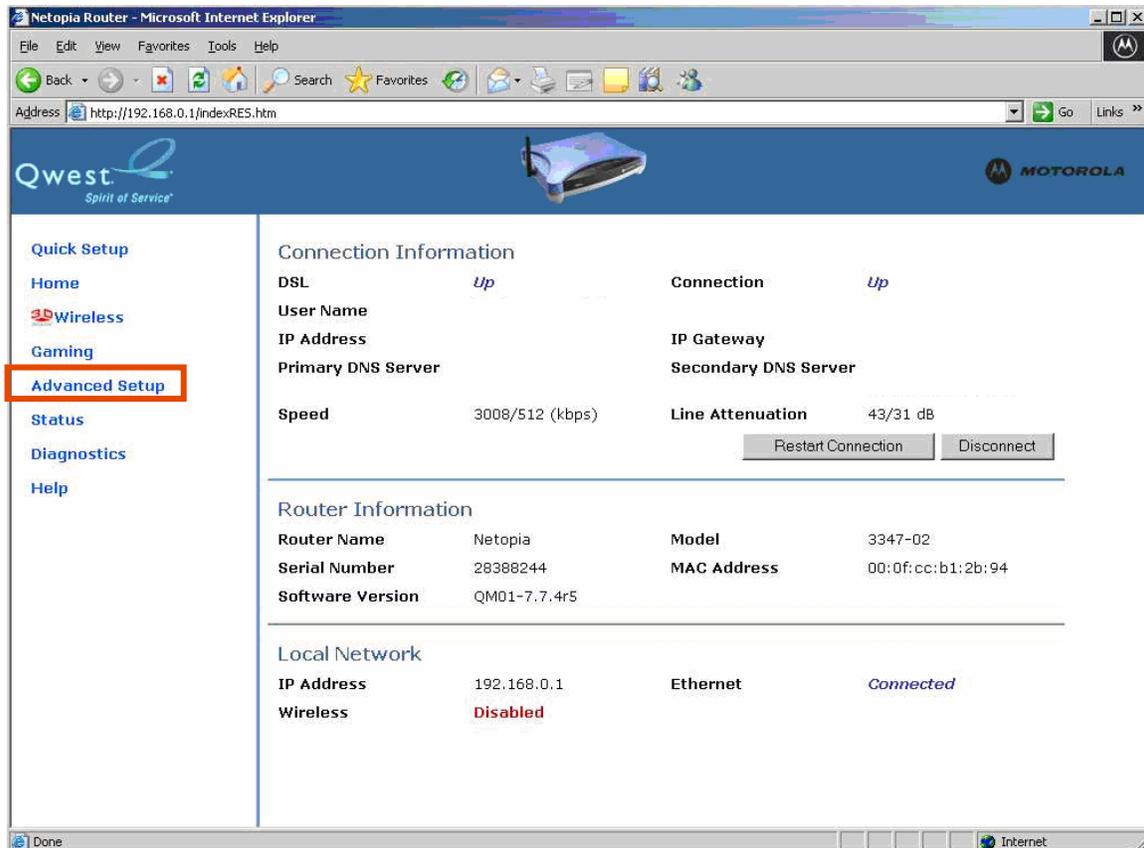
- You need to configure your modem for generic port forwarding.

Note: These instructions are for forwarding Telnet Port 23 to a Local Area Network (LAN) server.

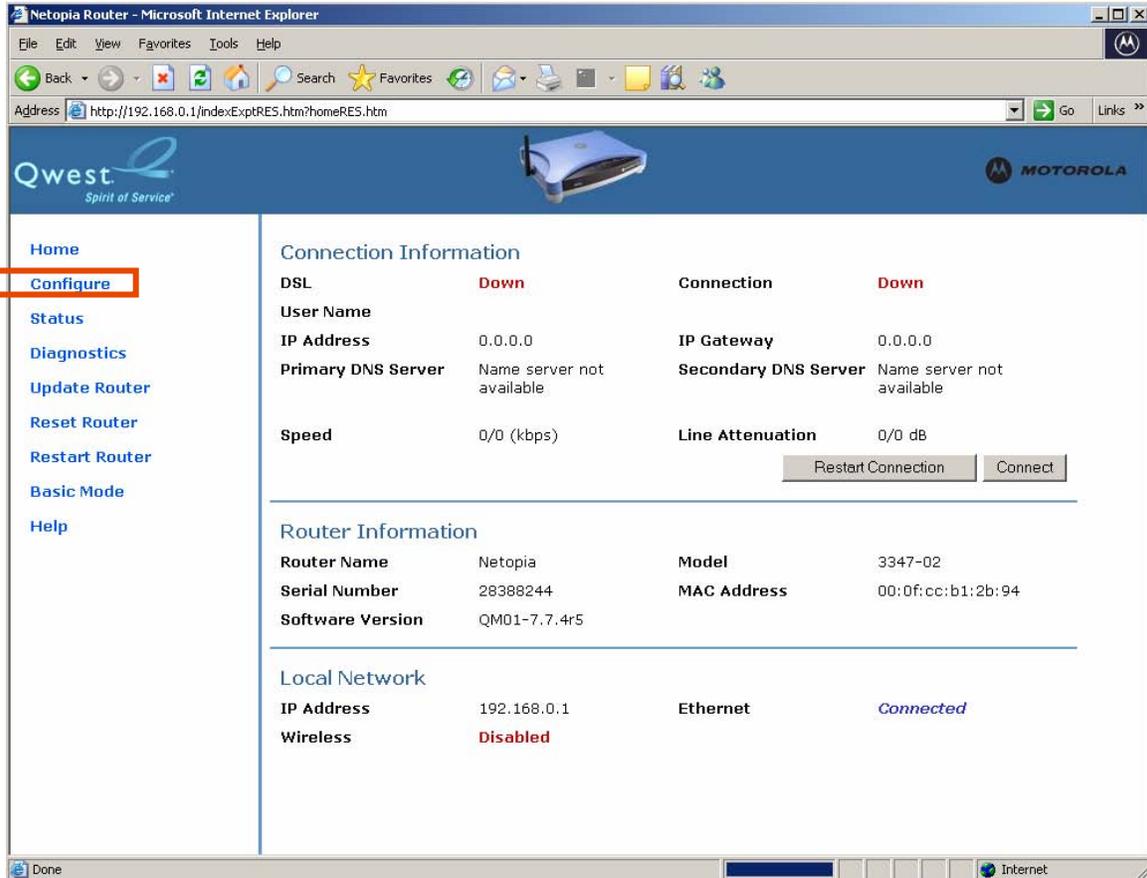
This document assumes:

- You use the Qwest Premium Networking Modem: Motorola 3347.
- Your modem is connected directly to your computer.

1. Enter "192.168.0.1" in the Address bar of your Internet browser.
2. On the modem home page, select **Advanced Setup** from the options on the left.



3. Select **Configure** from the options on the left.



Netopia Router - Microsoft Internet Explorer

Address: <http://192.168.0.1/indexEptRES.htm?homeRES.htm>

Navigation Menu:

- Home
- Configure**
- Status
- Diagnostics
- Update Router
- Reset Router
- Restart Router
- Basic Mode
- Help

Connection Information

DSL	Down	Connection	Down
User Name		IP Gateway	0.0.0.0
IP Address	0.0.0.0	Secondary DNS Server	Name server not available
Primary DNS Server	Name server not available	Line Attenuation	0/0 dB
Speed	0/0 (kbps)	<input type="button" value="Restart Connection"/> <input type="button" value="Connect"/>	

Router Information

Router Name	Netopia	Model	3347-02
Serial Number	28388244	MAC Address	00:0f:cc:b1:2b:94
Software Version	QM01-7.7.4r5		

Local Network

IP Address	192.168.0.1	Ethernet	Connected
Wireless	Disabled		

4. Select **NAT** from the options on the left.

Netopia Router - Microsoft Internet Explorer

Address: http://192.168.0.1/indexEptRES.htm?homeRES.htm

Qwest Spirit of Service® MOTOROLA

Home
Configure
Connection
DHCP Server
IP Passthrough
NAT
IPSec
Router Password
Time Zone
VLAN
Wireless
Status
Diagnostics
Update Router
Reset Router
Restart Router
Basic Mode
Help

Connection Information

DSL	Down	Connection	Down
User Name		IP Gateway	0.0.0.0
IP Address	0.0.0.0	Secondary DNS Server	Name server not available
Primary DNS Server	Name server not available	Line Attenuation	0/0 dB
Speed	0/0 (kbps)	<input type="button" value="Restart Connection"/> <input type="button" value="Connect"/>	

Router Information

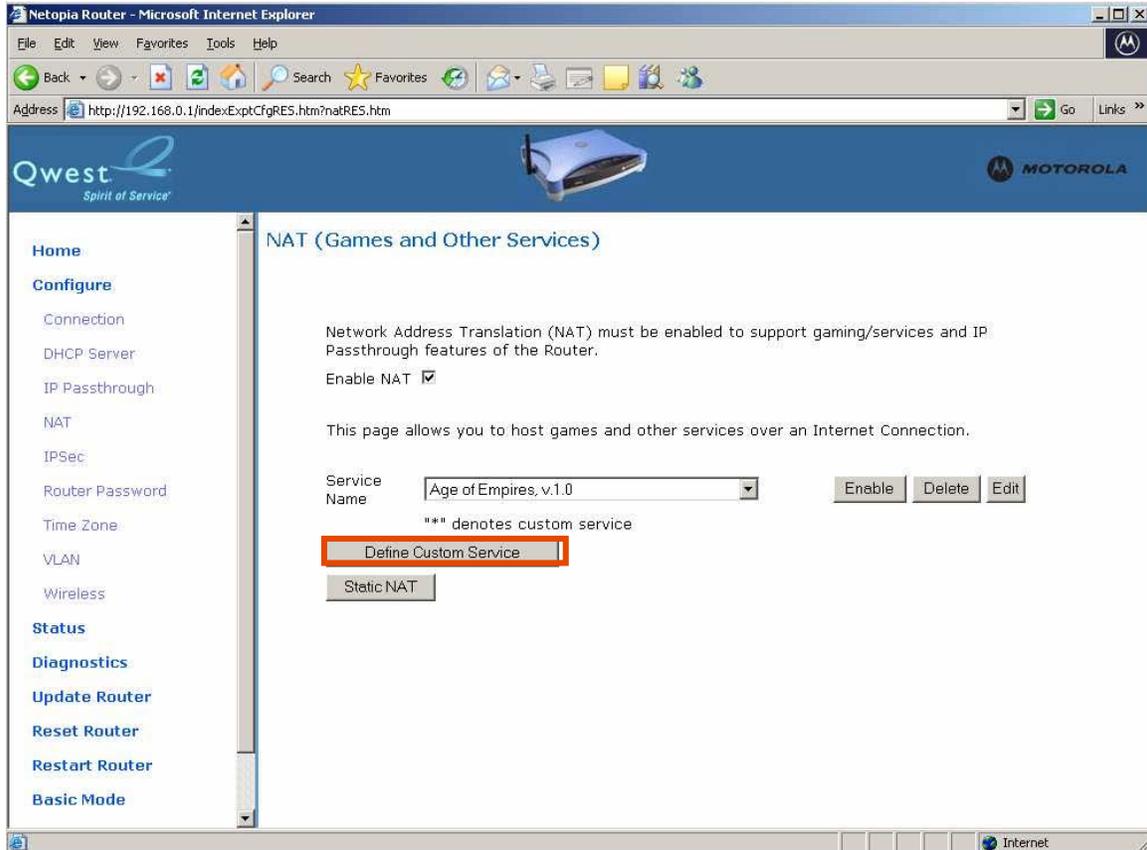
Router Name	Netopia	Model	3347-02
Serial Number	28388244	MAC Address	00:0f:cc:b1:2b:94
Software Version	QM01-7.7.4r5		

Local Network

IP Address	192.168.0.1	Ethernet	<i>Connected</i>
Wireless	Disabled		

Internet

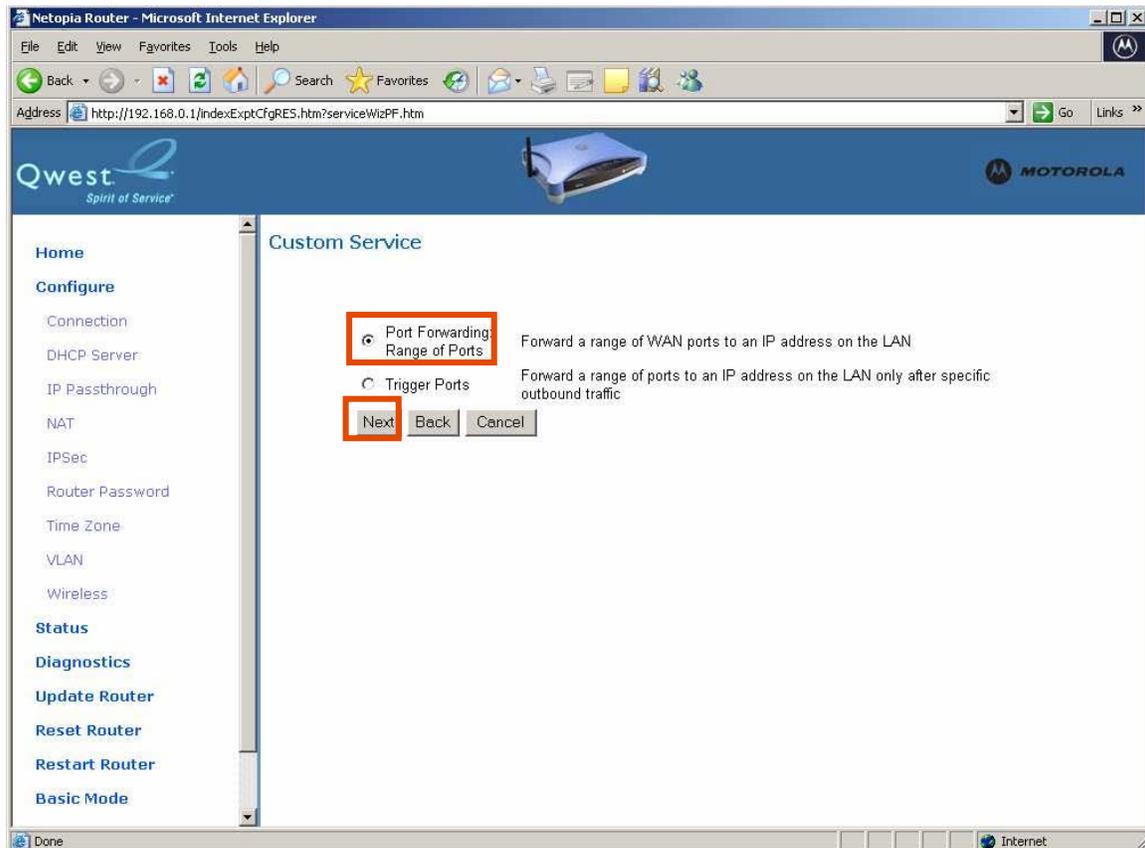
5. Select the **Define Custom Service** button.



6. Select either a range of ports or trigger ports.

- A port range is less secure, leaving the mapped ports constantly open regardless of traffic.
- Trigger ports are more secure, and only open inbound ports when specific outbound traffic is detected.

For this example, select the **Port Forwarding: Range of Ports** radio button. Then, select the **Next** button.



7. Enter your **Service Name** (e.g. Telnet).

Enter your **Global Port Range** (e.g. -23 to 23).

Enter your **Base Host Port** (e.g. -23).

In the "Protocol" field, select either the **TCP** or **UDP** radio button.

Then, select the **Next** button.

Netopia Router - Microsoft Internet Explorer

Address: http://192.168.0.1/indexExptCfgRES.htm?serviceWizRange.htm

Qwest Spirit of Service MOTOROLA

Port Range

Set up a Port Forwarding range entry based on your specific ports

Service Name:

The above name will be saved as this service's description

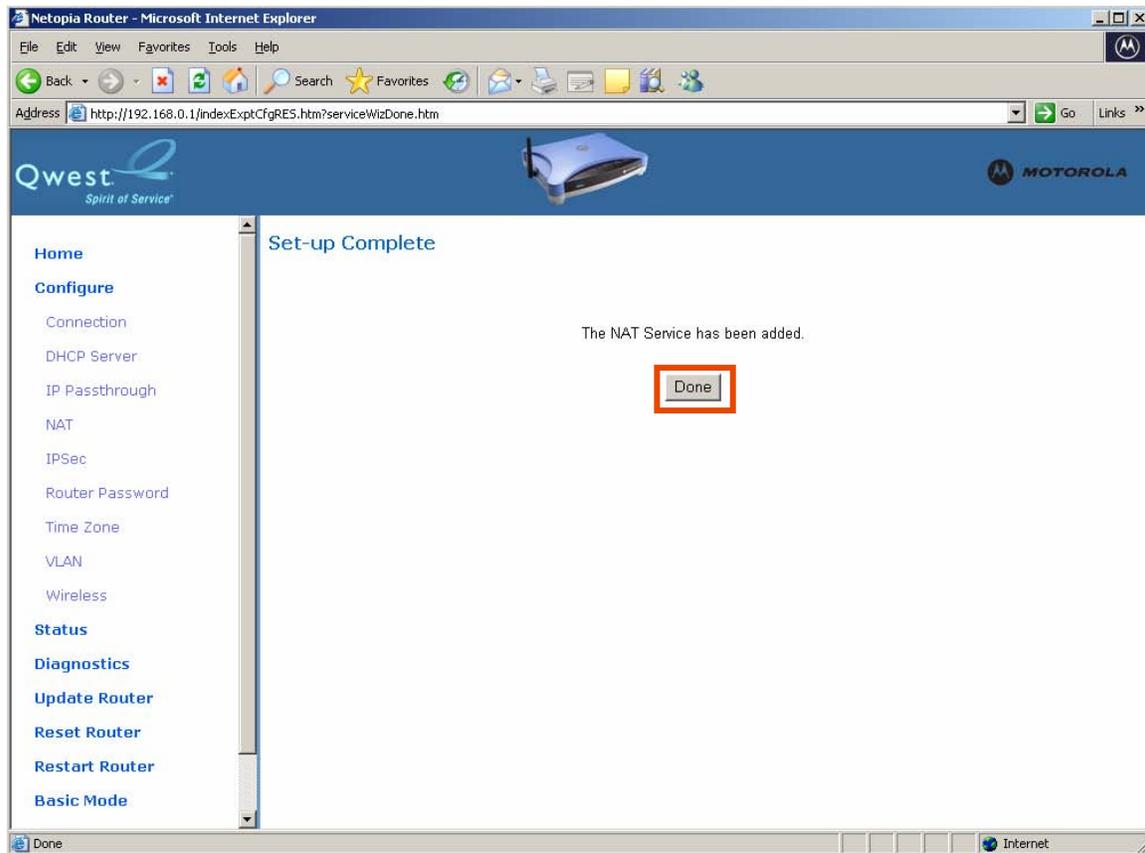
Global Port Range: -

Base Host Port:

Protocol: TCP UDP

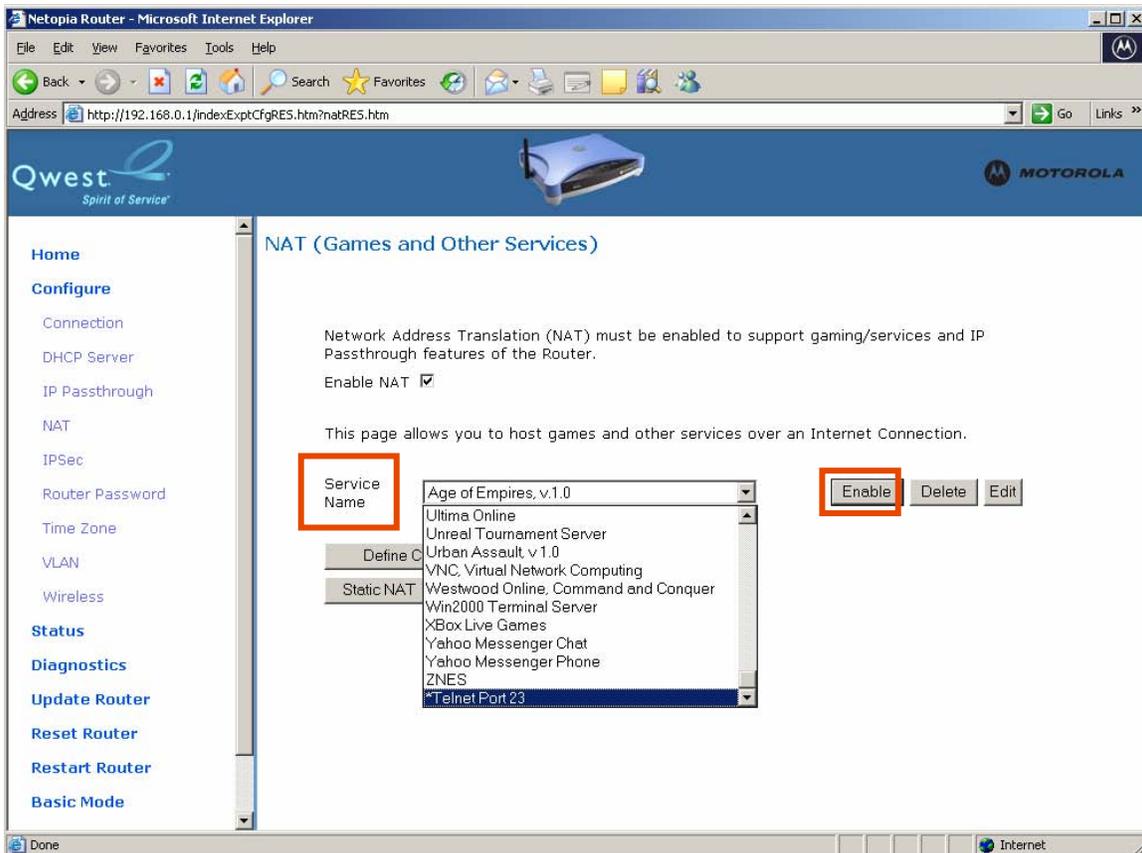
Next Back Cancel

8. Select the **Done** button.

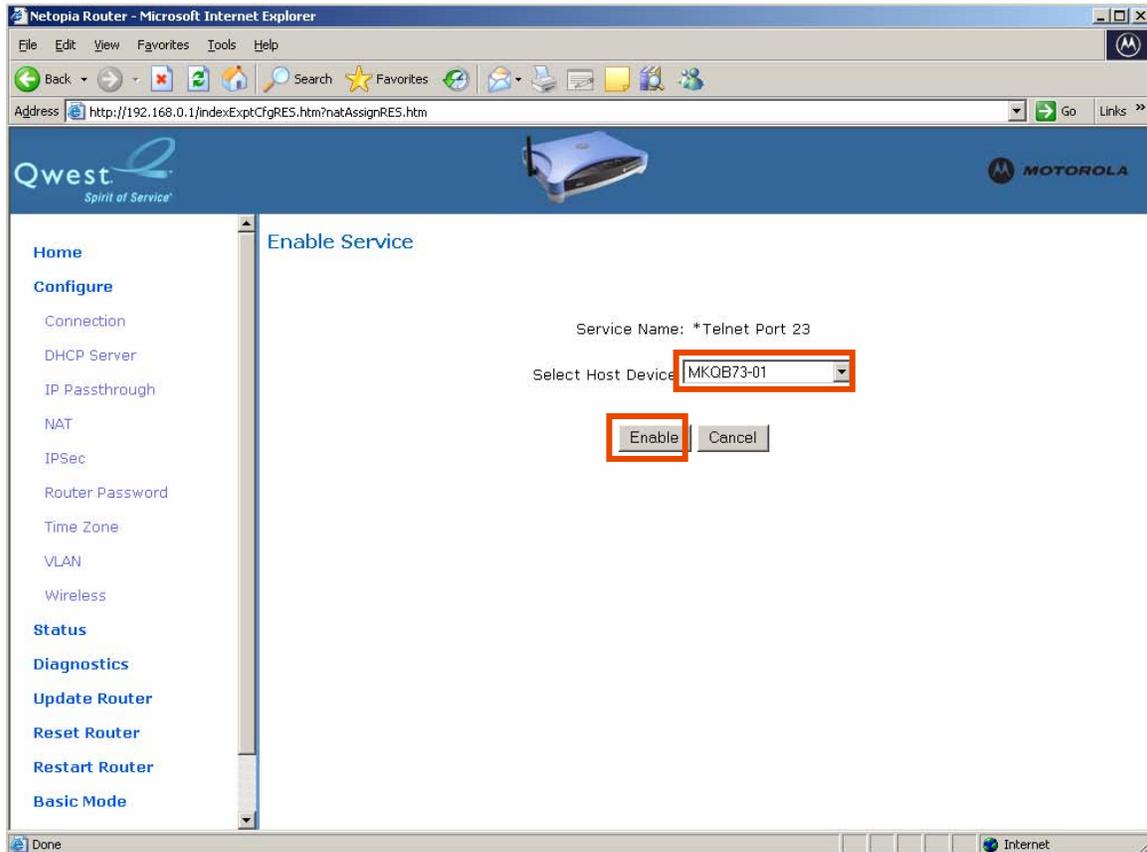


9. On the "NAT" page, select the service you added in Step 7 (in this example, Telnet Port 23), from the **Service Name** drop-down list.

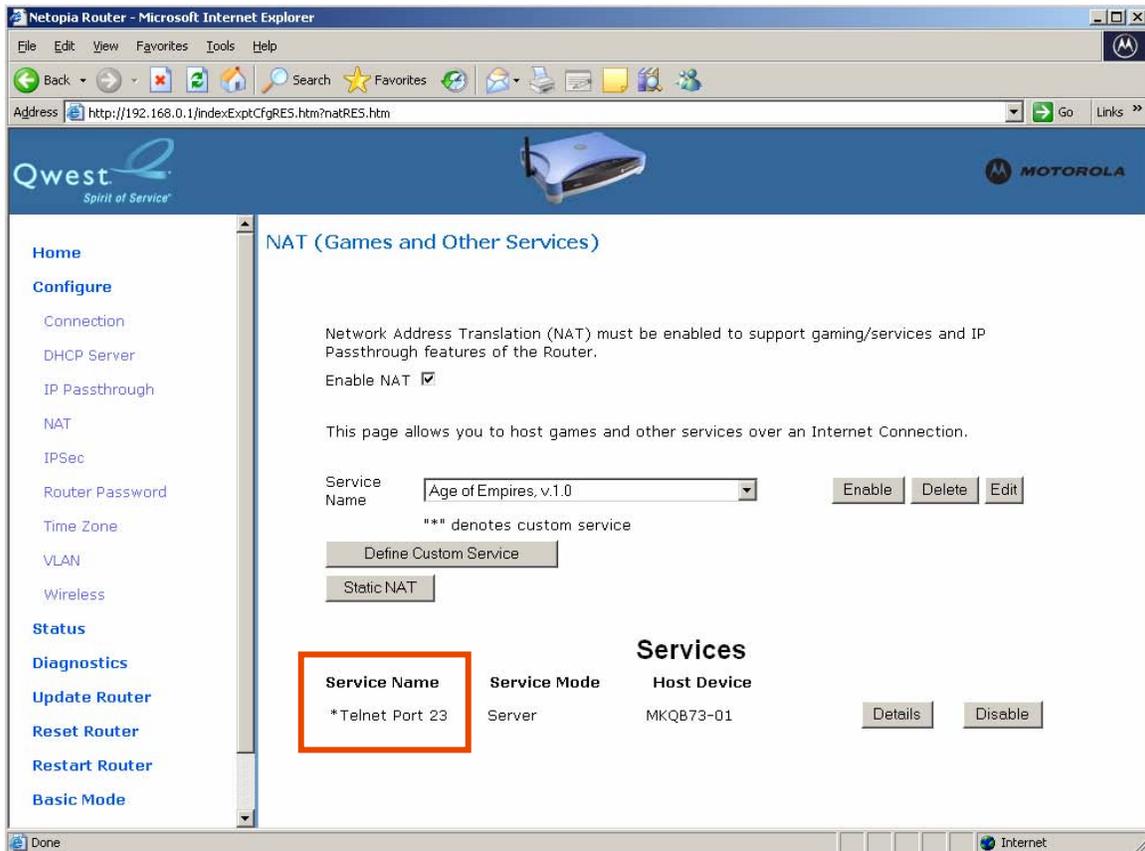
Then, select the **Enable** button.



10. Select the computer that will be receiving the Telnet Port 23 traffic, from the **Select Host Device** drop-down list. Then, select the **Enable** button.



11. Verify the new service appears under **Service Name**.



Netopia Router - Microsoft Internet Explorer

Address: http://192.168.0.1/index:ExptCfgRES.htm?natRES.htm

NAT (Games and Other Services)

Network Address Translation (NAT) must be enabled to support gaming/services and IP Passthrough features of the Router.

Enable NAT

This page allows you to host games and other services over an Internet Connection.

Service Name: Age of Empires, v.1.0 [Enable] [Delete] [Edit]

*** denotes custom service

[Define Custom Service]

[Static NAT]

Service Name	Service Mode	Host Device	
*Telnet Port 23	Server	MKQB73-01	[Details] [Disable]