

Using the VPN Setup Wizard

This document describes using the VPN Setup Wizard and includes these sections:

- [VPN Setup Wizard, page 1](#)
- [Before You Begin, page 1](#)
- [Running the VPN Router Software Wizard, page 2](#)

VPN Setup Wizard

Now you can configure a gateway-to-gateway VPN tunnel between two VPN routers in a fast and efficient way by using the VPN Setup Wizard. The VPN Setup Wizard works with users running Microsoft Windows 2000, XP, and Vista. This document describes how to run the VPN Setup Wizard.

Before You Begin

The VPN Setup Wizard works with the following routers:

- Cisco RVS4000 4-Port Gigabit Security Router with VPN
- Cisco WRVS4400N v1.1 Wireless-N 4-Port Gigabit Security Router with VPN
- Cisco WRVS4400N v2 Wireless-N 4-Port Gigabit Security Router with VPN

Use the following instructions to configure required data using the Web Administrator Interface. For instructions on the Web Administrator Interface, see the Administration Guide for your router.

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- STEP 1** Click **Firewall > Basic Settings**.
- STEP 2** Enable Remote Management and enter **8080** in the Port field. Please note that you cannot enter any other value if you want to use the VPN Wizard. Also, make sure that HTTPS has been selected.
- STEP 3** Click **Save Settings**.
- STEP 4** Click **VPN > Summary** and make sure the **Tunnel(s) available** are not zero.
- STEP 5** Ensure that the LAN IP addresses of routers with VPN are in different subnets in order for the VPN connection to work.
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NOTE The VPN Setup Wizard assumes that no firewall/NAT device sits in front of the VPN router.

Running the VPN Router Software Wizard

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- STEP 1** Access the VPN Setup Wizard in one of two ways:
- If you have an RVS4000, WRVS4400N v1.1, or WRVS4400N v2 Installation CD-ROM, insert it into your CD-ROM drive.
 - Download the VPN Setup Wizard from the Cisco Support site for your router.
- STEP 2** Go to the Start menu and click **Run**. In the field provided, enter
- D:\VPN Setup Wizard.exe
- STEP 3** The Welcome window appears. Click the **Click Here to Start** button.

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Welcome Window



- STEP 4** An informational window discussing the VPN Wizard appears. When you are ready, click **Next** to proceed.

Informational Window



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STEP 5 The **Choose a way to build VPN** window appears.

- If your PC is local to one of the two routers, choose **Build VPN connection from Local LAN port of one router**, click **Next**, and continue with these instructions.
- If your PC is remote to the routers, choose **Build VPN connection from Internet remotely**, and see the “[Building Your VPN Connection Remotely](#),” on page 9 for instructions on this type of installation.

Build VPN Connection From Local LAN Port of One Router



STEP 6 If you picked **Build VPN connection from Local LAN port of one router**, enter the required data in the Configure VPN Tunnel window and click **Next** to continue.

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Configure VPN Tunnel

Small Business
Cisco VPN Setup Wizard

✓ License Agreement ✓ Prerequisites ✓ Your Location **Configure VPN Tunnel**

Router 1 and 2 parameters (Step 1 of 3)

Router 1 (Local) User Name: admin

Router 1 (Local) Password: *****

Router 2 (Remote) User Name: admin

Router 2 (Remote) Password: *****

Router 2 (Remote) WAN IP address: 172 21 6 34

Router 2 (Remote) IP by DNS Resolved:

Tunnel Name: TestTunnel

Pre-shared Key: *****

Back Next Cancel

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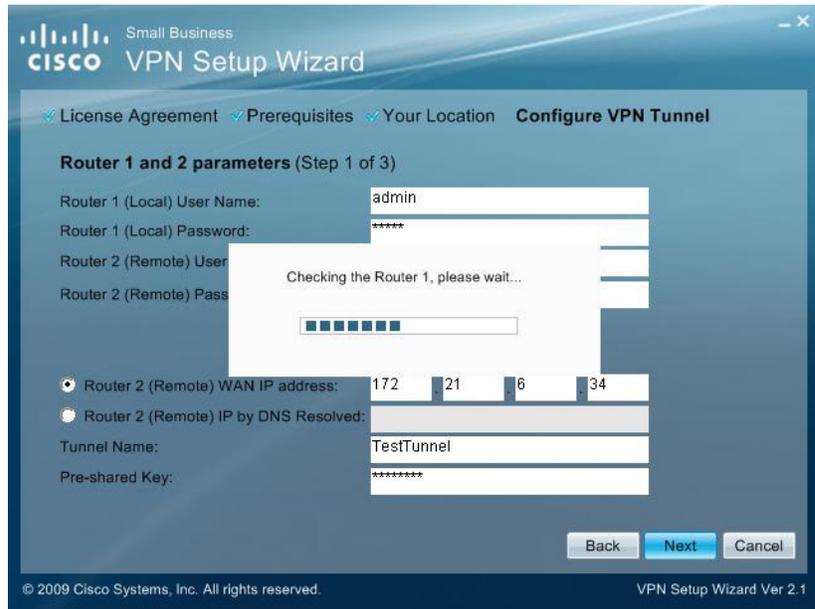
- **Router 1 User Name:** Enter the user name of the Router 1.
- **Router 1 Password:** Enter the password of the Router 1.
- **Router 2 User Name:** Enter the user name of the Router 2.
- **Router 2 Password:** Enter the password of the Router 2.
- **Tunnel Name:** Enter a name for this tunnel.
- **Pre-shared Key:** IKE uses the Pre-shared Key field to authenticate the remote IKE peer. Both character and hexadecimal values are acceptable in this field; e.g., “My_@123” or “0x4d795f40313233”. Note that both sides must use the same Pre-shared Key.
- **Router 2 WAN IP address:** Enter the WAN IP address of Router 2.
- **Router 2 IP by DNS Resolved:** Enter the DDNS Domain Name of Router 2 if it does not have a static IP address for its internet connection.

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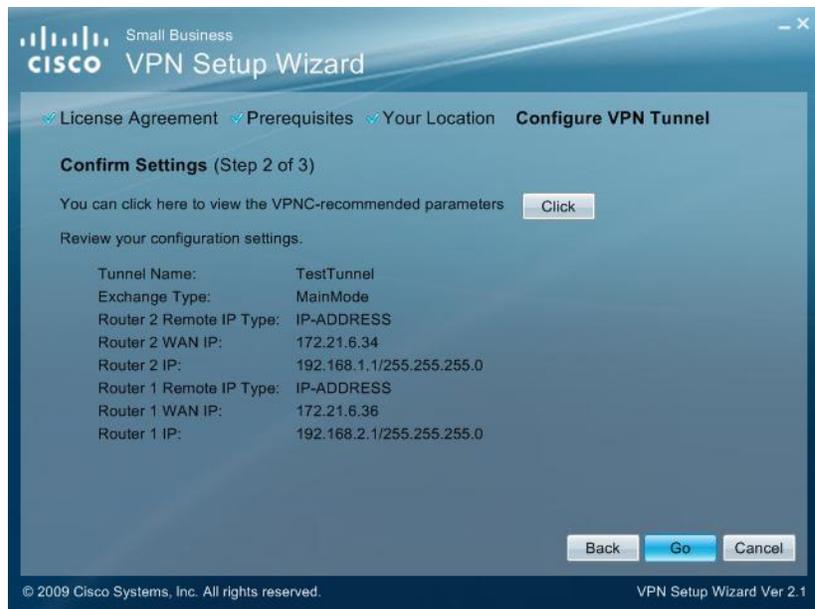
STEP 7 The router configuration is checked.

Check Router Configuration



STEP 8 The Summary window appears. Use the **Click** box to view the VPNC Summary window.

Summary Window

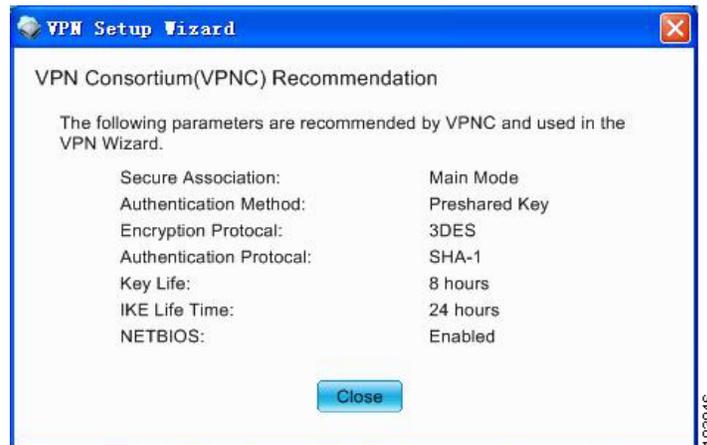


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- STEP 9** The VPNC Summary window appears showing the settings that were made to industry standards. Click **Close** when you are ready to continue.

VPNC Summary Window



- STEP 10** In the Summary window, if all your entries appear correct, click **Go**. Otherwise click **Back** to go back and make any corrections.

Configure the Router

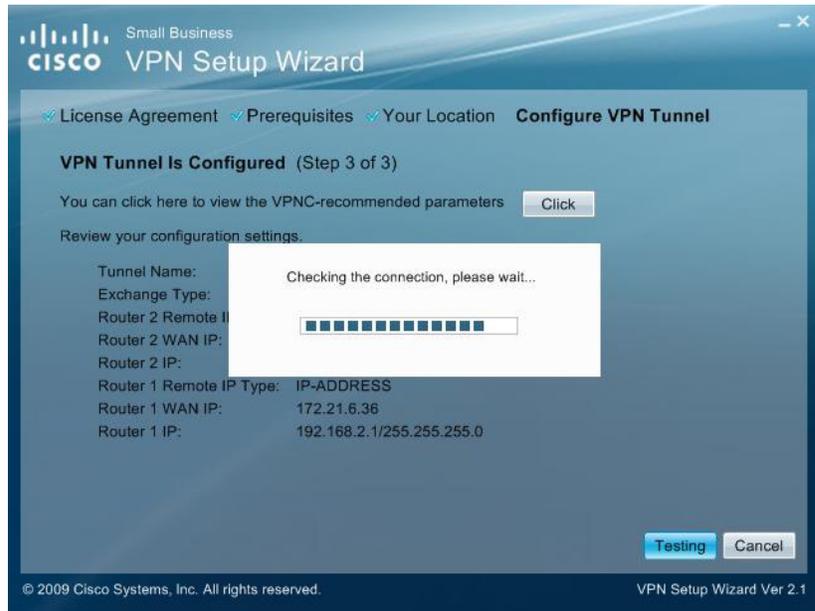


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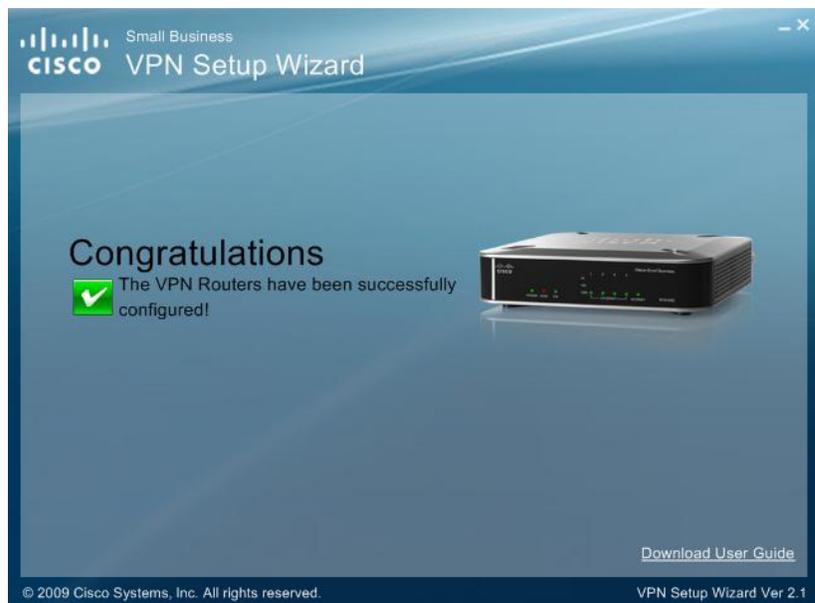
STEP 11 Click **Testing** to make sure the connection is successfully established.

Test the Connection



STEP 12 When testing is done, click **Exit** to end the Wizard.

Exit the Wizard

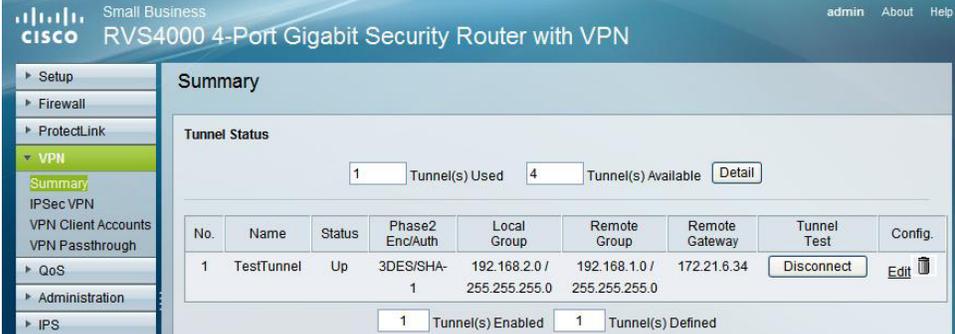


Using the VPN Setup Wizard

Running the VPN Router Software Wizard

Congratulations! Setup is now complete. You may now log into the Web Administrator Interface and see the results.

Test Results



The screenshot shows the Cisco RVS4000 Web Administrator Interface. The left sidebar contains a navigation menu with options: Setup, Firewall, ProtectLink, VPN (expanded), Summary, IPsec VPN, VPN Client Accounts, VPN Passthrough, QoS, Administration, and IPS. The main content area is titled "Summary" and displays "Tunnel Status". It shows 1 Tunnel(s) Used and 4 Tunnel(s) Available. Below this is a table with the following data:

No.	Name	Status	Phase2 Enc/Auth	Local Group	Remote Group	Remote Gateway	Tunnel Test	Config.
1	TestTunnel	Up	3DES/SHA-1	192.168.2.0 / 255.255.255.0	192.168.1.0 / 255.255.255.0	172.21.6.34	Disconnect	Edit

At the bottom of the table, it shows 1 Tunnel(s) Enabled and 1 Tunnel(s) Defined. A vertical ID number "193942" is visible on the right side of the interface.

Building Your VPN Connection Remotely

This procedure continues from [Step 5 on page 4](#). Use this procedure to build your VPN connection from a remote PC.

STEP 1 Choose **Build VPN connection from Internet remotely**. Click **Next** to continue.

Build VPN Connection Remotely



The screenshot shows the Cisco VPN Setup Wizard. The progress bar indicates: License Agreement (checked), Prerequisites (checked), Your Location (selected), and Configure VPN Tunnel. The main heading is "Choose a Way to Build VPN Connection". A diagram shows "VPN Router 1 (Local)" connected to "Internet", which is connected to "VPN Router 2 (Remote)". Two radio button options are present:

- Build VPN connection from Local LAN port of one router
- Build VPN connection from Internet remotely

At the bottom, there are "Back", "Next", and "Cancel" buttons. The footer contains "© 2009 Cisco Systems, Inc. All rights reserved." and "VPN Setup Wizard Ver 2.1". A vertical ID number "193928" is visible on the right side.

Using the VPN Setup Wizard

Running the VPN Router Software Wizard

- STEP 2** Enter the required data in the Configure VPN Tunnel window and then click **Next** to continue.

Configure VPN Tunnel Window

Small Business
Cisco VPN Setup Wizard

✔ License Agreement ✔ Prerequisites ✔ Your Location **Configure VPN Tunnel**

Router 1 and 2 parameters (Step 1 of 3)

Router 1 User Name: admin

Router 1 Password: *****

Router 2 User Name: admin

Router 2 Password: *****

Router 1 WAN IP address: 172 21 6 34

Router 1 IP by DNS Resolved:

Router 2 WAN IP address: 172 21 6 36

Router 2 IP by DNS Resolved:

Tunnel Name: TestTunnel2

Pre-shared Key: *****

Back Next Cancel

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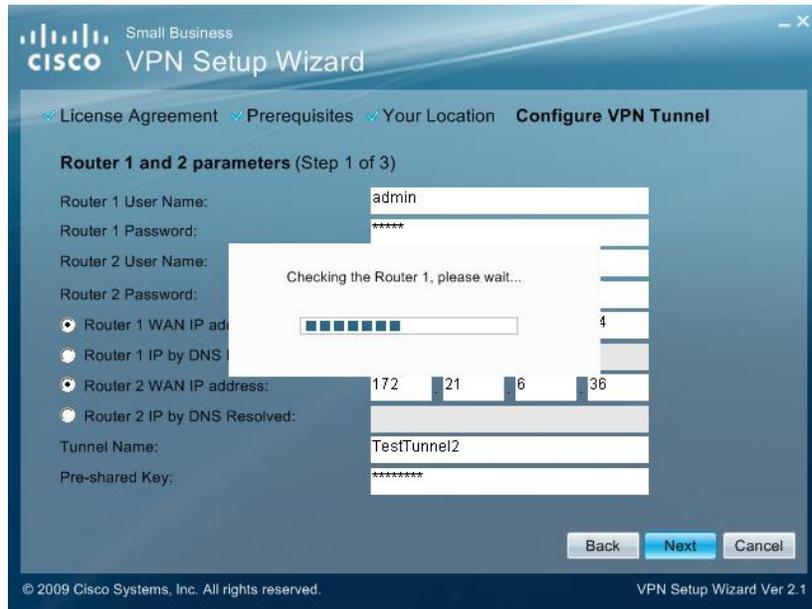
- **Router 1 User Name:** Enter the user name of the Router 1.
- **Router 1 Password:** Enter the password of the Router 1.
- **Router 2 User Name:** Enter the user name of the Router 2.
- **Router 2 Password:** Enter the password of the Router 2.
- **Tunnel Name:** Enter a name for this tunnel.
- **Pre-shared Key:** IKE uses the Pre-shared Key field to authenticate the remote IKE peer. Both character and hexadecimal values are acceptable in this field; e.g., “My_@123” or “0x4d795f40313233”. Note that both sides must use the same Pre-shared Key.
- **Router 1 WAN IP address:** Enter the WAN IP address of the Router 1.
- **Router 1 IP by DNS Resolved:** Enter the DDNS Domain Name of Router 1 if it does not have a static IP address for its internet connection.
- **Router 2 WAN IP address:** Enter the WAN IP address of the Router 2.
- **Router 2 IP by DNS Resolved:** Enter the DDNS Domain Name of Router 2 if it does not have a static IP address for its internet connection.

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STEP 3 The router configuration is checked.

Check Router Configuration



STEP 4 The Summary window appears. Use the **Click** box to view the VPNC Summary window.

Summary Window

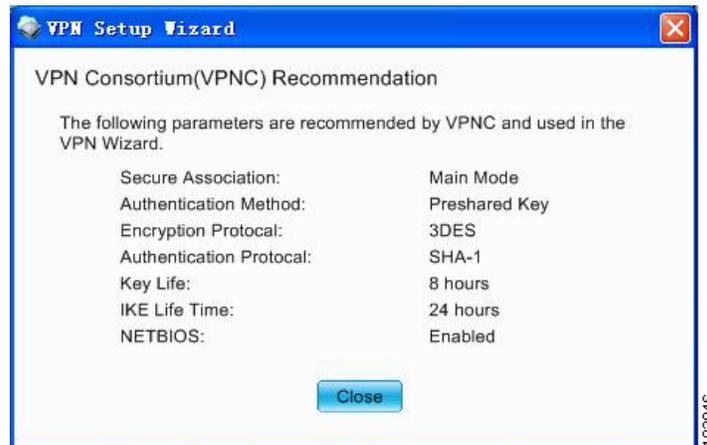


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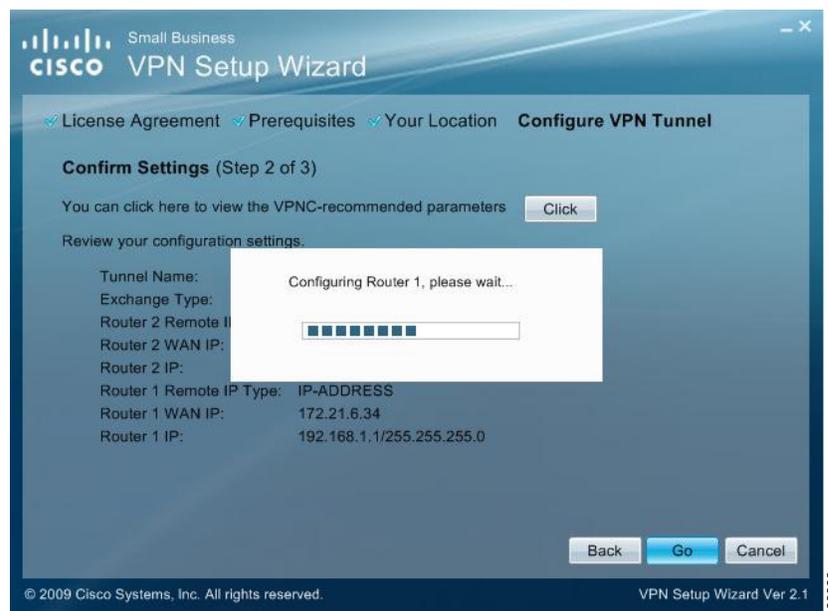
- STEP 5** The VPNC Summary window appears showing the settings that were made to industry standards. Click **Close** when you are ready to continue.

VPNC Summary Window



- STEP 6** In the Summary window, if all your entries appear correct, click **Go**. Otherwise click **Back** to go back and make any corrections.

Configure the Router

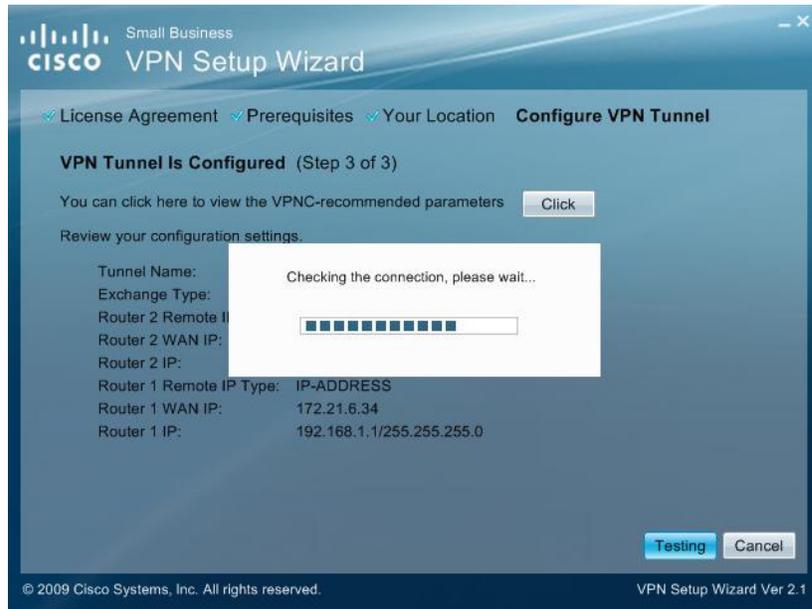


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STEP 7 Click **Testing** to make sure the connection is successfully established.

Test the Connection



STEP 8 When testing is done, click **Exit** to end the Wizard.

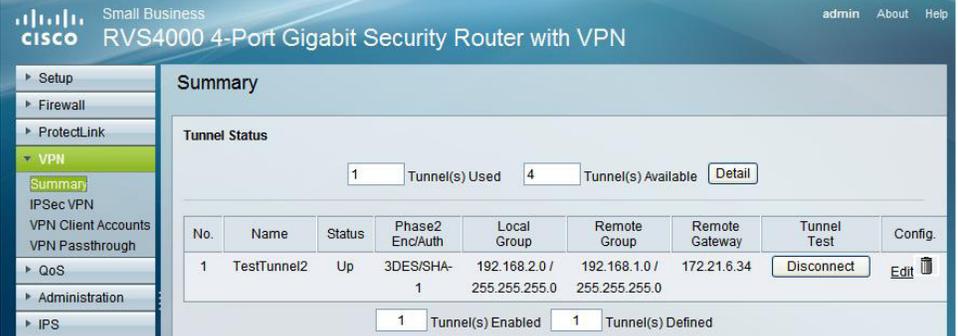


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Congratulations! Setup is now complete. You may now log into the Web Administrator Interface and see the results.

View Test Results



The screenshot displays the Cisco RVS4000 Web Administrator Interface. The page title is "Small Business RVS4000 4-Port Gigabit Security Router with VPN". The user is logged in as "admin". The left sidebar shows the navigation menu with "VPN" expanded and "Summary" selected. The main content area is titled "Summary" and shows "Tunnel Status".

Tunnel Status: 1 Tunnel(s) Used, 4 Tunnel(s) Available. [Detail](#)

No.	Name	Status	Phase2 End/Auth	Local Group	Remote Group	Remote Gateway	Tunnel Test	Config.
1	TestTunnel2	Up	3DES/SHA-1	192.168.2.0 / 255.255.255.0	192.168.1.0 / 255.255.255.0	172.21.6.34	Disconnect	Edit

1 Tunnel(s) Enabled, 1 Tunnel(s) Defined

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