

# DNS Name Lookup and Ping Test on RV320 and RV325 VPN Router Series

## Objective

The DNS Name Lookup and Ping test are two built-in tools that are helpful to identify and solve issues with connectivity. The DNS Name Lookup is used to learn an IP address of a given domain. The Ping test lets you enter an IP address or host name and shows if the RV32x router is able to send a packet to a remote host and receive a response.

This article explains how to use the diagnostic tools on the RV32x VPN Router Series.

## Applicable Devices

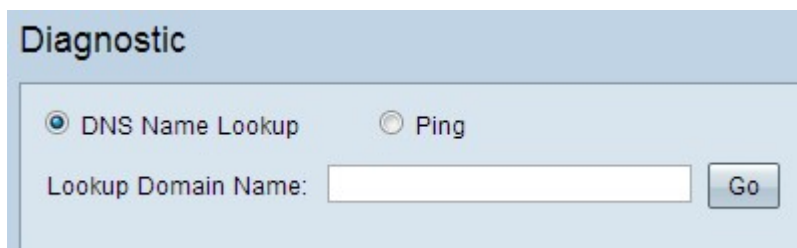
- RV320 Dual WAN VPN Router
- RV325 Gigabit Dual WAN VPN Router

## Software Version

- v1.1.0.09

## Use of the Diagnostic Tools

Step 1. Log in to the web configuration utility and choose **System Management > Diagnostic**. The *Diagnostic* page opens:



The screenshot shows a web interface titled "Diagnostic". It features two radio buttons: "DNS Name Lookup" (which is selected) and "Ping". Below these buttons is a text input field labeled "Lookup Domain Name:" and a "Go" button.

Step 2. Click a radio button to choose the specific action.

- DNS Name Lookup — DNS Name Lookup gives you the specific IP address of a specific domain names.
- Ping — Ping test is used to check connectivity between the RV32x router and a remote host.

## DNS Lookup

**Diagnostic**

DNS Name Lookup       Ping

Lookup Domain Name:

Name: labserver.com  
 Address: 192.168.50.1

Step 1. Enter the domain name in the Lookup Domain Name field.

Step 2. Click **Go** to get the IP address of the domain name. The results are shown as described below:

- Status — Displays the failure or testing mode.

**Note:** If the diagnostic fails, then only the Status field appears.

- Name — Displays the fully qualified domain name (FQDN) you entered.
- Address — Displays the IP address that corresponds to the domain name you entered.

## Ping

**Diagnostic**

DNS Name Lookup       Ping

Ping Host or IP Address:  Name or IPv4 / IPv6 Address

Status: **Test Succeeded**

Packets: 4/4 transmitted, 4/4 received, 0 % loss

Round Trip Time: Minimum = 1.0 ms  
 Maximum = 3.0 ms  
 Average = 1.5 ms

Step 1. Enter the IP address or name of the host with which you want to test the connectivity in the Ping Host or IP Address field.

Step 2. Click **Go** to test the connectivity. The results are shown as described below:

- Status — Represents the success, failure or testing mode.
- Packets — Represents how many packets are transmitted, received and the percentage of lost packets.
- Round Trip Time — Represents minimum, maximum, and average time in milliseconds to send and receive the packets.