

Ping Test on RV016, RV042, RV042G, and RV082 VPN Routers

Objective

The Ping test is a network utility used to determine if the computer can communicate with devices that are in the network. The information provided by the ping test helps the network administrator determine the status of the connection. It is also useful to determine the actions required to correct or enhance the connections. This article explains how to perform a ping test on RV016, RV042, RV042G, and RV082 VPN Routers.

Applicable Devices

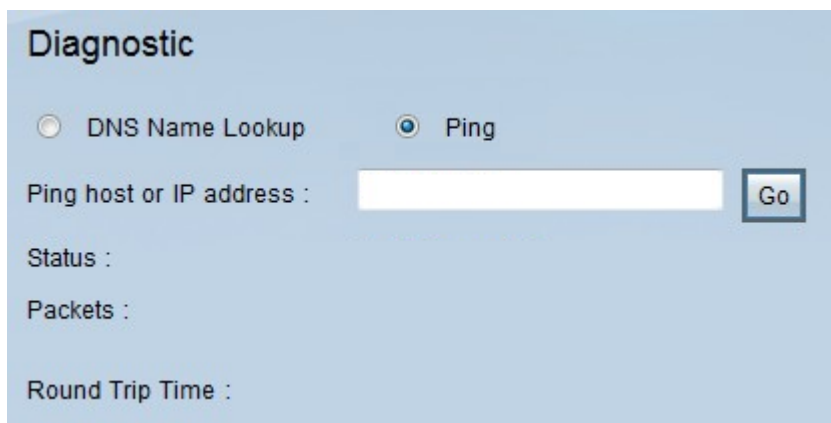
- RV016
- RV042
- RV042G
- RV082

Software Version

- v4.2.1.02

Ping Test

Step 1. Log in to the Router Configuration Utility and choose **System Management > Diagnostic**. The *Diagnostic* page opens:



Diagnostic

DNS Name Lookup Ping

Ping host or IP address :

Status :

Packets :

Round Trip Time :

The screenshot shows the 'Diagnostic' tool interface. At the top, there are two radio buttons: 'DNS Name Lookup' (unselected) and 'Ping' (selected). Below this is a text input field labeled 'Ping host or IP address' containing the value '192.168.1.5'. To the right of the input field is a 'Go' button. Below the input field, the labels 'Status:', 'Packets:', and 'Round Trip Time:' are visible, but they are currently empty.

Step 2. Click the **Ping** radio button to perform a ping test.

Step 3. Enter the IP address or URL address which you want to ping in the Ping host or IP Address field.

Step 4. Click **Go** to start the ping test.

The screenshot shows the 'Diagnostic' tool interface after the ping test. The 'Ping' radio button remains selected. The 'Ping host or IP address' field still contains '192.168.1.5'. The 'Go' button is now disabled. The 'Status:' field displays 'Test Succeeded' in green text. The 'Packets:' field displays '4/4 transmitted,4/4 received,0 % loss'. The 'Round Trip Time:' field displays three values: 'Minimun = 0.8 ms', 'Maximun = 1.0 ms', and 'Average = 0.9 ms'.

The following information will be displayed after the ping test is finished:

- **Status** — Indicates if the ping succeeded or failed.
- **Packets** — Indicates the number of packets that the device sent and received. This also indicates the percentage of lost packets in the test.
- **Round Trip Time** — Indicates the times that the ping took to establish the connection and complete the test. There are three values: Minimum, Maximum and Average.