

Network Tools on RV220W and RV120W

Objective

The *Network Tools* page allows a user to do some basic troubleshooting like ping or trace an IP address, perform a Domain Name Server (DNS) lookup, or capture and trace packets. This is useful for troubleshooting, such as when you try to figure out if a certain router is connected to the RV, if it can be accessed, and to verify the configurations on the router.

This document describes how to use the *Network Tools* page.

Applicable Devices

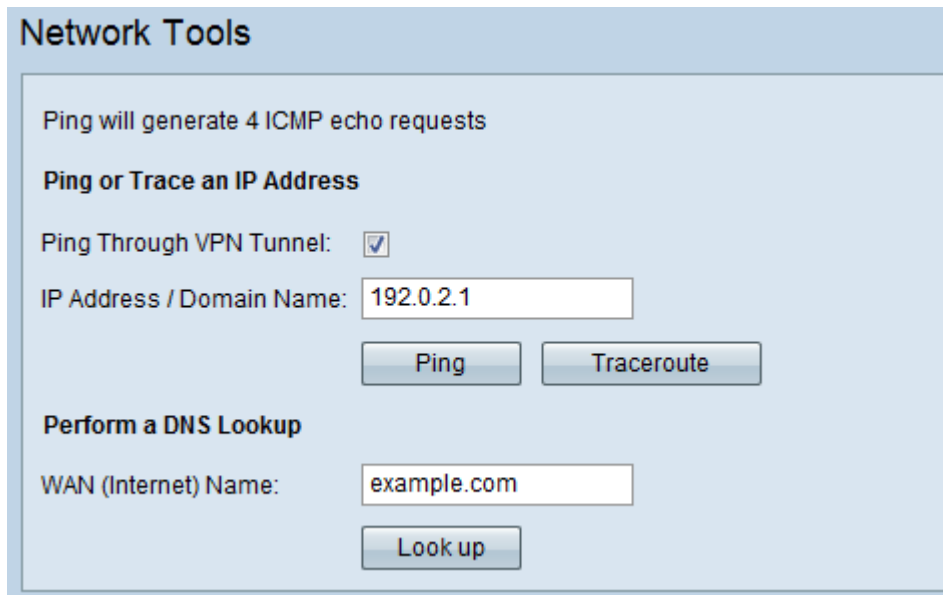
- RV220W
- RV120W

Software Version

- v1.0.4.17

Network Tools

Step 1. Log in to the web configuration utility and choose **Administration > Diagnostics > Network Tools**. The *Network Tools* page opens:



The screenshot shows the 'Network Tools' web interface. At the top, it says 'Ping will generate 4 ICMP echo requests'. Below that is the section 'Ping or Trace an IP Address'. There is a checkbox for 'Ping Through VPN Tunnel' which is checked. The 'IP Address / Domain Name' field contains '192.0.2.1'. There are two buttons: 'Ping' and 'Traceroute'. Below that is the section 'Perform a DNS Lookup'. The 'WAN (Internet) Name' field contains 'example.com'. There is a 'Look up' button.

Step 2. (Optional) Check the **Ping through VPN Tunnel** check box to enable ping through a VPN tunnel.

Step 3. Enter the desired IP address or the domain name of the destination address in the IP Address / Domain Name field.

Step 4. Click **Ping** or **Traceroute** as desired:

- Ping – Click this option to test the connectivity between the router and another device on

the network connected to this router. A popup window appears that indicates the ICMP echo request status.

- Traceroute – Click this option to display all the routers present between the destination IP address and the device you are on. Up to 30 "hops" (intermediate routers) between this router and the destination will be displayed.

Step 5. Enter the host name or domain name to search for in the WAN (Internet) Name field. This actually is a process of looking up and translating a domain name into its corresponding IP address.

Step 6. Click **Look up** to search for the desired IP address entry in Step 5.