

Advanced Routing: IPv6 Static Routing Configuration on RV082

Objective

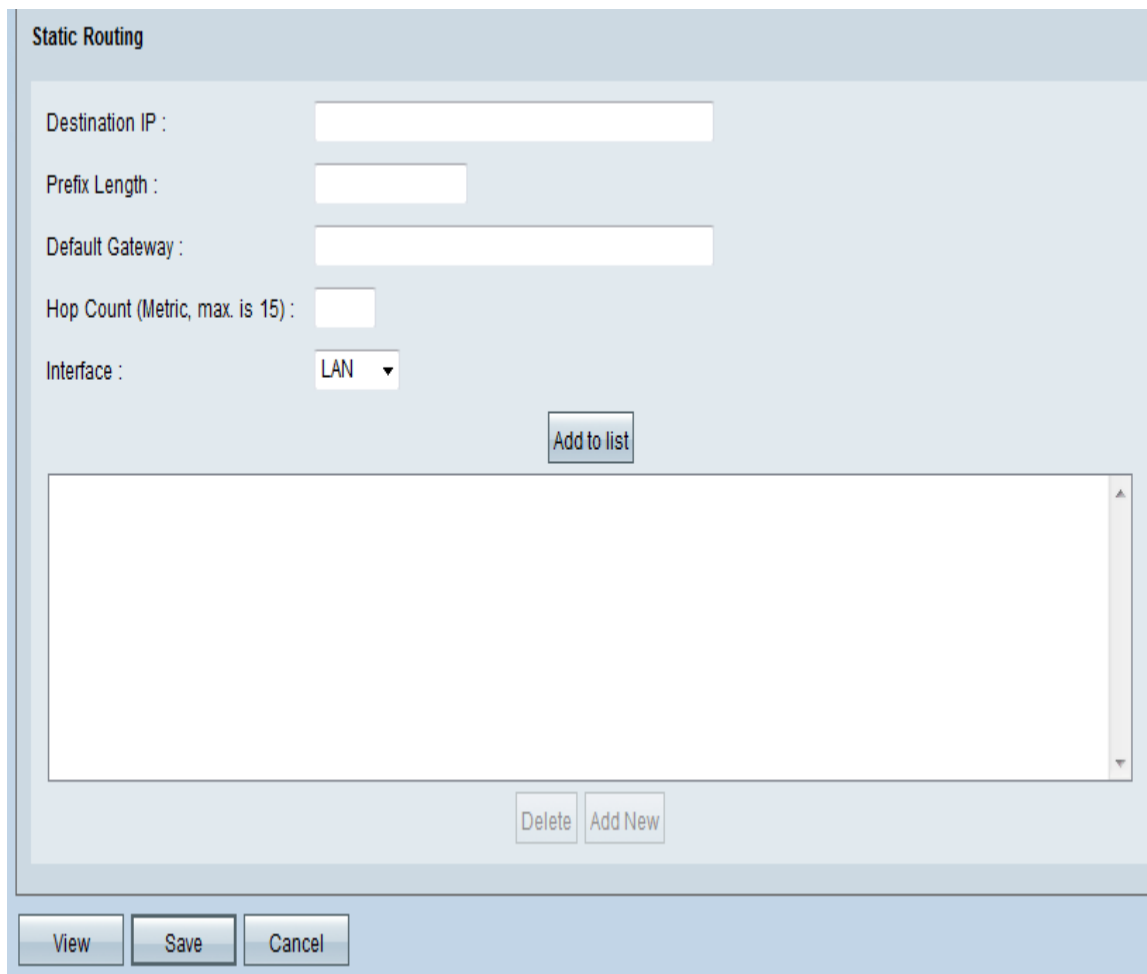
If the Router is connected to more than one network, or there are multiple routers installed on your network, it may be necessary to set up static routes. The static routing function determines the path that data follows over your network before and after it passes through the Router. You can use static routing to allow different IP domain users to access the Internet through the Router.

Applicable Devices

- RV082
- RV042

IPv6 Static Routing Configuration

Note: Static routing is an advanced feature. Create these routes with care.



The screenshot shows the 'Static Routing' configuration page. It features several input fields: 'Destination IP', 'Prefix Length', 'Default Gateway', and 'Hop Count (Metric, max. is 15)'. The 'Interface' is set to 'LAN'. There is an 'Add to list' button below the input fields. Below the 'Add to list' button is a large empty list box. At the bottom of the list box are 'Delete' and 'Add New' buttons. At the very bottom of the page are 'View', 'Save', and 'Cancel' buttons.

Step 1. Use the Router Configuration Utility to choose **Setup > Advanced Routing > IPv6**. The *Advanced Routing* page opens.

Step 2. In the *Static Routing* section, add or edit entries as needed.

Note: Remember that the settings are not saved until you click the Save button.

Step 3. In the Destination IP field, enter the network address of the remote LAN segment.

Step 4. In the Prefix Length field, enter the appropriate IPv6 prefix length.

Step 5. In the Default Gateway field, enter the IP address of the router of the network, for which this static route is created. For example, if this network is connected to the local router's LAN port through another router, use the WAN IP address of that router.

Step 6. In the Hop Count field, enter the appropriate value (maximum is 15). This indicates the number of nodes that a data packet passes through before reaching its destination. A node is any device on the network, such as a computer or router.

Step 7. In the Interface field, select the interface to use for this route.

— Select **WAN** interface if this router provides Internet connectivity for your network or if you are connecting to another network through the Internet.

— Select **LAN** if this router gets Internet connectivity from a gateway router on your LAN or if the gateway router is on a LAN port. By default, it will be **LAN**.

Step 8. (Optional) To add a new static route — Enter the following settings and then click **Add to List**. You can enter up to 30 routes.

- To Modify a static route in the list — Click the entry that you want to modify. The information appears in the text fields. Make the changes, and then click **Update**.
- To Delete an entry from the list — Click the entry that you want to delete, then click **Delete**.
- To select a block of entries — Click the first entry, hold down the Shift key, and then click the final entry in the block.
- To view current data — Click **View** near the bottom of the page. The *Routing Table Entry List* appears. You can click **Refresh** to update the data, or click **Close** to close the pop-up window.

Step 9. Click **Apply** to save the changes.