

# View Routing Information on RV120W and RV220W

## Objective

The Routing Table is a data table that is stored in a router and contains the lists of the routes to a particular network destination. It sometimes it has the metrics or the distances which are associated with that particular route. This information can be useful for reasons like troubleshooting a network and to verify router connections.

This document explains how to view the routing table and the corresponding fields on the RV120W and RV220W.

## Applicable Devices

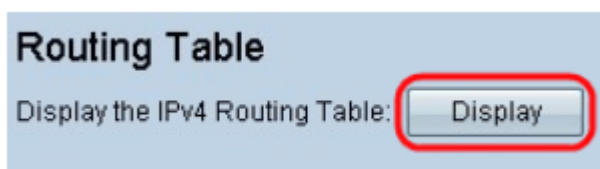
- RV120W
- RV220W

## Software Version

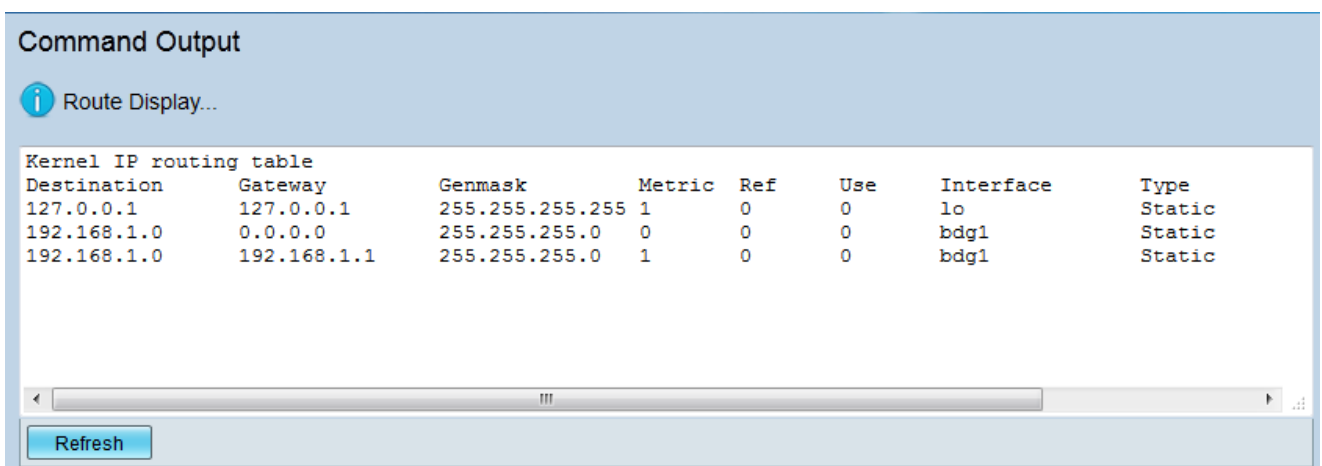
- v1.0.4.17

## View Routing Information

Step 1. Log in to the web configuration utility and choose **Networking > Routing > Routing Table**. The *Routing Table* page opens:




Step 2. Click **Display** and the *Command Output* page opens:



This page shows the routing table that contains the information about the network user. This table contains the following fields:

- Destination — The destination host or the network IP address for which this field is added.
- Gateway — The gateway that is used for this route.
- Genmask — The network mask for the destination network.
- Metric — The distance to the target which is usually counted in hops.
- Ref — The number of references to this route. This is not used in Linux.
- Use — The count of the searches for this route. It depends upon the usage of -F and -C . -F indicates the route cache misses and -C indicates the route cache hits.
- Interface — The interface to which the packets for this route will be sent.
- Type — The type of routing that is used. This can be a static or a dynamic route.

#### Command Output

 Route Display...

```

table
Gateway      Genmask      Metric  Ref    Use    Interface    Type      Flags
127.0.0.1    255.255.255.255  1       0      0      lo           Static    UP,Gateway,Host
0.0.0.0      255.255.255.0   0       0      0      bdg1         Static    UP
192.168.1.1  255.255.255.0   1       0      0      bdg1         Static    UP,Gateway

```

- Flags — The field shows the flags that are used. Flags are used for debugging purposes only. The list of flags are given below:
  - UP — Indicates the route is up.
  - Host — Indicates the target is the host.
  - Gateway — Indicates the user to user gateway.
  - R — Restores route for the dynamic routing.
  - D — Indicates the dynamically installed by daemon or a redirect.
  - M — Indicated modification from daemon or redirect.
  - A — Indicates flag installed by Address Auto-configuration (addrconf) which allows assigning the address dynamically.
  - C — Indicates cache entry.
  - ! — Indicates reject route.