

# Manage DNS (Domain Name System) Local Database on RV320 and RV325 VPN Router Series

## Objective

Domain Name System (DNS) is used to translate a domain name into an IP address. A DNS local database enables the router to act as a local DNS server for commonly used domain names. The local database helps to find the IP addresses faster than an external DNS server. If a requested domain name is not found in the local database, then the request is forwarded to the DNS server that is configured on the *WAN Setting* page.

**Note:** If you want to use your router as the local DNS server to translate domain names into IP addresses faster, you need to configure your client device (PC) to use the router as a DNS server.

This article explains how to manage the DNS local database on RV32x VPN Router Series.

## Applicable Devices

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

## Software Version

- v1.1.0.09

## Manage DNS Local Database

Step 1. Log in to the web configuration utility and choose **DHCP > DNS Local Database**. The *DNS Local Database* page opens:

DNS Local Database

IPv4 IPv6

DNS Local Database Table

<input type="checkbox"/>	Host Name	IP Address
0 results found!		

Add Edit Delete

Save Cancel

The screenshot shows the 'DNS Local Database' window. At the top, there are two tabs: 'IPv4' and 'IPv6'. Both tabs are highlighted with a red circle. Below the tabs is a table titled 'DNS Local Database Table' with two columns: 'Host Name' and 'IP Address'. The table is currently empty, displaying '0 results found!'. Below the table are three buttons: 'Add', 'Edit', and 'Delete'. At the bottom of the window are 'Save' and 'Cancel' buttons.

Step 2. Choose the appropriate service between IPv4 and IPv6 and click the respective tab.

- IPv4 — Internet Protocol Version 4 (IPv4) is a 32 bit Internet protocol which can support a maximum of 4,294,967,296 addresses.
- IPv6 — Internet Protocol Version 6 (IPv6) is a 128 bit Internet protocol which can support many more addresses than IPv4.

## Add an Entry to the DNS Local Database

This screenshot is similar to the first one, but the 'Add' button in the 'DNS Local Database Table' section is highlighted with a red circle. The 'Host Name' and 'IP Address' columns are still empty, and the text '0 results found!' is present.

Step 1. Click **Add** to add a new domain name and it's IP address to the database. A new row is added:

This screenshot shows the 'DNS Local Database' window after clicking the 'Add' button. A new row has been added to the 'DNS Local Database Table', consisting of two empty input fields for 'Host Name' and 'IP Address'. This new row is highlighted with a red circle. The 'Add', 'Edit', and 'Delete' buttons are still visible below the table.

DNS Local Database

IPv4 IPv6

DNS Local Database Table

<input type="checkbox"/>	Host Name	IP Address
<input type="checkbox"/>	host1	192.178.2.3

Add Edit Delete

Save Cancel

Step 2. Enter the domain name in Host Name field.

Step 3. Enter the IP address of the domain name in the IP Address field.

Step 4. Click **Save** to save the settings.

### Edit an Entry of the DNS Local Database

DNS Local Database

IPv4 IPv6

DNS Local Database Table

<input type="checkbox"/>	Host Name	IP Address
<input type="checkbox"/>	host1	192.178.2.3
<input checked="" type="checkbox"/>	host2	192.168.2.5
<input type="checkbox"/>	host3	192.3.4.1

Add Edit Delete

Save Cancel

Step 1. Check the check box beside the host name that you want to edit.

**DNS Local Database**

IPv4 | IPv6

**DNS Local Database Table**

<input type="checkbox"/>	Host Name	IP Address
<input type="checkbox"/>	host1	192.178.2.3
<input type="checkbox"/>	host2	192.168.4.9
<input type="checkbox"/>	host3	192.3.4.1

Add Edit Delete

Save Cancel

Step 2. Click **Edit** to and change the appropriate field(s).

Step 3. Click **Save** to save the settings.

### Delete an Entry from the DNS Local Database

**DNS Local Database**

IPv4 | IPv6

**DNS Local Database Table**

<input type="checkbox"/>	Host Name	IP Address
<input type="checkbox"/>	host1	192.178.2.3
<input type="checkbox"/>	host2	192.168.4.9
<input checked="" type="checkbox"/>	host3	192.3.4.1

Add Edit Delete

Save Cancel

Step 1. Check the check box beside the host name that you want to delete.

Step 2. Click **Delete** to remove the entry.

Step 3. Click **Save** to save the settings.