

Option 82 Configuration on RV32x VPN Router Series

Objective

This document guides you through the setup and settings of Option 82 on the RV32x VPN Router Series.

Option 82 is a DHCP relay information option. DHCP relay is a feature that is used to allow DHCP communication between hosts and remote DHCP servers that are not on the same network. It allows a DHCP relay agent to include information about itself when it sends DHCP packets to and from clients to a DHCP server. It adds more security to the DHCP process by thoroughly identifying the connection.

Applicable Device

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

Software Version

- v1.1.0.09

Option 82

Step 1. Log in to the web configuration utility and choose **DHCP > Option 82**. The *Option 82* page opens:

<input type="checkbox"/>	Circuit ID	Description	DHCP Subnet
0 results found!			

The Option 82 Table displays the following fields:

- Circuit ID — User defined ASCII string that identifies the circuit interface upon which the DHCP request was sent.
- Description — A user entered description of the circuit ID.
- DHCP Subnet — Automatically assigned DHCP subnet IP address and mask by router based upon availability. To modify it manually refer to [Modify DHCP Subnet](#) once a circuit ID has been added.

Option 82

Option 82 Table			
<input type="checkbox"/>	Circuit ID	Description	DHCP Subnet
	<input type="text" value="01ABCD234567EF"/>	<input type="text" value="test"/>	
<input type="button" value="Add"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>			
<input type="button" value="Save"/> <input type="button" value="Cancel"/>			

Step 2. Click **Add** to add a new circuit ID. The fields under Circuit ID and Description become editable.

Step 3. Enter the desired circuit ID in the Circuit ID field.

Step 4. Enter the desired description for the circuit ID in the Description field.

Option 82

Option 82 Table			
<input type="checkbox"/>	Circuit ID	Description	DHCP Subnet
<input type="checkbox"/>	01ABCD234567EF	test	192.168.4.1/255.255.255.0
<input type="button" value="Add"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>			
<input type="button" value="Save"/> <input type="button" value="Cancel"/>			

Step 5. Click **Save** to add the entered Circuit ID and Description fields to the Option 82 Table.

Modify Circuit ID

Option 82 Table			
<input type="checkbox"/>	Circuit ID	Description	DHCP Subnet
<input checked="" type="checkbox"/>	01ABCD234567EF	test	192.168.4.1/255.255.255.0
<input type="button" value="Add"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>			
<input type="button" value="Save"/> <input type="button" value="Cancel"/>			

Step 1. To modify a circuit ID name and description check the check box next to it. The entry is highlighted.

Note: The DHCP Subnet option is not editable in the Option 82 Table. Refer to [Modify DHCP Subnet](#) to modify it.

Step 2. Click **Edit** to edit the checked circuit ID or **Delete** to delete it.

Step 3. Click **Save** to save changes and finish the configuration of the Option 82 settings.

[Modify DHCP Subnet](#)

Step 1. Log in to the Router Configuration Utility and choose **DHCP > DHCP Setup**. The *DHCP Setup* page opens:

DHCP Setup

IPv4 | IPv6

VLAN Option 82

VLAN ID:

Device IP Address:

Subnet Mask:

DHCP Mode: Disable DHCP Server DHCP Relay

Remote DHCP Server:

Client Lease Time: min (Range: 5 - 43200, Default: 1440)

Range Start:

Range End:

DNS Server1:

DNS Server2:

WINS Server:

TFTP Server and Configuration Filename (Option 66/150 & 67):

TFTP Server Host Name:

TFTP Server IP:

Configuration Filename:

Step 2. Click the **IPv4** tab.

Step 3. Click the **Option 82** radio button to display the Option 82 options.

DHCP Setup

IPv4 | IPv6

VLAN Option 82

Circuit ID:

Device IP Address:

Subnet Mask:

Step 4. From the Circuit ID drop-down list choose the Circuit ID, which has been created, that you want to modify.

Step 5. Enter the subnet IP address, for which the circuit ID was created, in the Device IP Address.

Step 6. Choose the corresponding subnet mask from the Subnet Mask drop-down list to determine the range of the subnet IP address.

Step 7. Click **Save** to save changes to the circuit ID.

The Option 82 Table under **DHCP > Option 82** now displays the updated information.

Option 82

Option 82 Table			Items 1-1 of 1	5	per
<input type="checkbox"/>	Circuit ID	Description	DHCP Subnet		
<input type="checkbox"/>	01ABCD234567EF	test	192.168.4.5/255.255.255.128		

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