

# Configuration of QoS Profile Binding on RV180 and RV180W Routers

## Objective

QoS profile binding is used to bind the Wide Area Network (WAN) with traffic flow after the QoS bandwidth profile has been set up.

The objective of this document is to explain the QoS Profile Binding Table which lists the Traffic Selectors for this device, and the various operations that are associated with profile binding.

## Applicable Devices

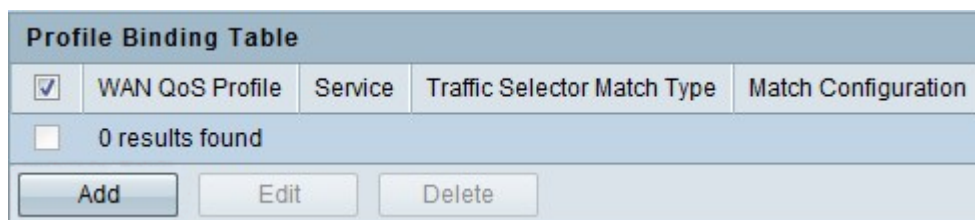
- RV180
- RV180W

## Software Version

- v1.0.4.14 - RV180W

## Configuration of QoS Profile Binding

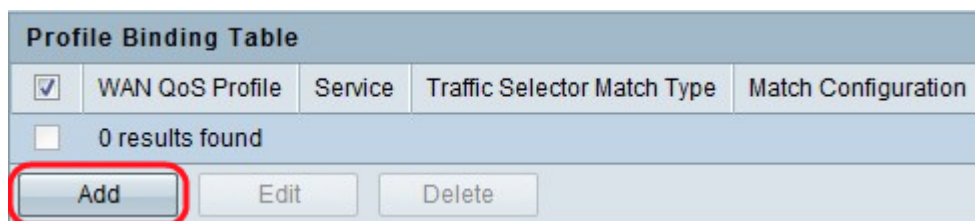
Step 1. Use the Configuration Utility to choose **QoS > QoS Profile Binding**. The *QoS Profile Binding Table* page opens:



Profile Binding Table				
<input checked="" type="checkbox"/>	WAN QoS Profile	Service	Traffic Selector Match Type	Match Configuration
<input type="checkbox"/>	0 results found			
Add Edit Delete				

**Note:** One bandwidth profile can be attached to different traffic selectors. When a traffic selector is added with a specific bandwidth profile attached to it, the traffic for the service which is selected in the traffic selector configuration will flow with the speed indicated in the bandwidth profile which is attached.

Step 2. Check the box at the First Column Header and click **Add**.



Profile Binding Table				
<input checked="" type="checkbox"/>	WAN QoS Profile	Service	Traffic Selector Match Type	Match Configuration
<input type="checkbox"/>	0 results found			
Add Edit Delete				

The *Add/Edit Profile Binding Configuration* page opens:

**Add / Edit Profile Binding Configuration**

Available Profiles:

Service:

Traffic Selector Match Type:

Starting IP Address:  (xxx.xxx.xxx.xxx)

Ending IP Address:  (xxx.xxx.xxx.xxx)

MAC Address:

VLAN ID:

DSCP Value:  (Range: 0 - 63)

Available SSIDs:

Step 3. Choose a previously configured bandwidth profile to link this traffic selector in the *Available Profiles* field.

**Add / Edit Profile Binding Configuration**

Available Profiles:

Service:

**Note:** Click on the **Configure Profile** button to configure new profiles or edit the existing profile.

Step 4. Choose the desired service to be applied to the selected profile in the *Service* field.

**Add / Edit Profile Binding Configuration**

Available Profiles:

Service:

**Note:** If the desired service is not available, create a custom service in the *Firewall* page.

Step 5. Choose the desired traffic selector to use to bind traffic to the profile in the *Traffic Selector Match Type* field.

Traffic Selector Match Type:

Starting IP Address:

Ending IP Address:

MAC Address:

**Note:** Depending on the traffic selector chosen, continue to the following steps accordingly.

Step 6. Enter the starting IP address of the given range in the *Starting IP Address* field.

**Add / Edit Profile Binding Configuration**

Available Profiles:

Service:

Traffic Selector Match Type:

Starting IP Address:  (xxx.xxx.xxx.xxx)

Ending IP Address:  (xxx.xxx.xxx.xxx)

MAC Address:

VLAN ID:

DSCP Value:  (Range: 0 - 63)

Available SSIDs:

**Note:** This field is only available if **IP Address Range** is selected in Step 5.

Step 7. Enter the ending IP address of the given range in the *Ending IP Address* field.

**Add / Edit Profile Binding Configuration**

Available Profiles:

Service:

Traffic Selector Match Type:

Starting IP Address:  (xxx.xxx.xxx.xxx)

Ending IP Address:  (xxx.xxx.xxx.xxx)

MAC Address:

VLAN ID:

DSCP Value:  (Range: 0 - 63)

Available SSIDs:

**Note:** This field is only available if **IP Address Range** is selected in Step 5.

Step 8. Enter the MAC address for the PC or a wireless client device to which the bandwidth has to be assigned in the *MAC Address* field.

**Add / Edit Profile Binding Configuration**

Available Profiles:

Service:

Traffic Selector Match Type:

Starting IP Address:  (xxx.xxx.xxx.xxx)

Ending IP Address:  (xxx.xxx.xxx.xxx)

MAC Address:

VLAN ID:

DSCP Value:  (Range: 0 - 63)

Available SSIDs:

**Note:** This field is only available if **MAC Address** is selected in Step 5.

Step 9. Choose the Virtual Local Area Network (VLAN) ID on the router to which the traffic selector applies to in the *VLAN ID* field.

**Add / Edit Profile Binding Configuration**

Available Profiles:

Service:

Traffic Selector Match Type:

Starting IP Address:  (xxx.xxx.xxx.xxx)

Ending IP Address:  (xxx.xxx.xxx.xxx)

MAC Address:

VLAN ID:

DSCP Value:  (Range: 0 - 63)

Available SSIDs:

**Note:** This field is only available if **VLAN** is selected in Step 5.

Step 10. Enter the Differentiated Service Code Point (DSCP) value to prioritize the traffic in the *DSCP Value* field. The range is from 0-63.

**Add / Edit Profile Binding Configuration**

Available Profiles: User1

Service: ANY

Traffic Selector Match Type: DSCP

Starting IP Address:  (xxx.xxx.xxx.xxx)

Ending IP Address:  (xxx.xxx.xxx.xxx)

MAC Address:

VLAN ID: 1

DSCP Value: 10 (Range: 0 - 63)

Available SSIDs: AP-1

**Note:** This field is only available if **DSCP** is selected in Step 5.

Step 11. Choose the Service Set Identifier (SSID) the Traffic Selector applies to in the *Available SSIDs* field. SSID is the name of the Wireless Local Area Network (WLAN). All the wireless devices should use the same SSID to communicate with each other.

**Add / Edit Profile Binding Configuration**

Available Profiles: User1

Service: ANY

Traffic Selector Match Type: SSID

Starting IP Address:  (xxx.xxx.xxx.xxx)

Ending IP Address:  (xxx.xxx.xxx.xxx)

MAC Address:

VLAN ID: 1

DSCP Value:  (Range: 0 - 63)

Available SSIDs: AP-1

AP-1  
AP-2  
AP-3  
AP-4

**Note:** This field is only available if **SSID** is selected in Step 5.

Step 12. Click **Save** to save the settings.

### Add / Edit Profile Binding Configuration

Available Profiles:

Service:

Traffic Selector Match Type:

Starting IP Address:  (xxx.xxx.xxx.xxx)

Ending IP Address:  (xxx.xxx.xxx.xxx)

MAC Address:

VLAN ID:

DSCP Value:  (Range: 0 - 63)

Available SSIDs: