

# IPv6 Advertisement Prefixes Configuration on RV215W

## Objectives

IPv6 Router Advertisement Daemon (RADVD) broadcasts Router Advertisement messages and responds to Router Solicitations from clients that are trying to configure.

A network prefix is contained within these Router Advertisement messages, which is necessary for a client to automatically acquire IP addresses. Multiple prefix options can be contained inside a single Router Advertisement message.

This document explains how to configure advertisement prefixes on RV215W.

## Applicable Devices

- RV215W

## Software Version

- 1.1.0.5

## IPv6 Advertisement Prefixes

### Add Advertisement Prefixes

Step 1. Log in to the web configuration utility and choose **Networking > IPv6 > Advertisement Prefixes**. The *Advertisement Prefixes* page opens:

Prefixes to Advertise Table					
<input type="checkbox"/>	IPv6 Prefix Type	SLA ID	IPv6 Prefix	IPv6 Prefix Length	Prefix Lifetime
<input type="checkbox"/>	6to4	3	2002:000:000:3::	64	30
<input type="checkbox"/>	Global/Local		2607:f0d0:1002:0051:0000:0000:0000:0004	32	45

Step 2. Click **Add Row**.

Step 3. Choose the desired prefix type from the IPv6 Prefix Type drop-down list. The available options are:

- 6to4 — Used to enable automatic IPv6 to IPv4 address translation on the router. It uses the 6to4 prefix.
- Global/Local — It allows the hosts that belong to the router to configure itself with global or local IPv6 addresses.

Step 4. If you choose 6to4 in Step 3, enter the Site-Level Aggregation Identifier (SLA ID) in the SLA ID field. The SLA ID specifies the interface on which the advertisements are sent.

Step 5. If you choose 6to4 in Step 3, enter the maximum time period for the router to use the

prefix in the Prefix Lifetime field.

Step 6. If you choose Global/Local in Step 3, enter the IPv6 network address in the IPv6 Prefix field.

Step 7. If you choose Global/Local in Step 3, enter the decimal value that denotes the number of contiguous higher order bits in the network portion of the IPv6 address in the IPv6 Prefix Length field.

Step 8. If you choose Global/Local in Step 3, enter the maximum time period for the router to use the prefix in the Prefix Lifetime field.

Step 9. Click **Save**.

## Edit Advertisement Prefixes

Step 1. Log in to the web configuration utility and choose **Networking > IPv6 > Advertisement Prefixes**. The *Advertisement Prefixes* page opens:

Prefixes to Advertise Table					
<input type="checkbox"/>	IPv6 Prefix Type	SLA ID	IPv6 Prefix	IPv6 Prefix Length	Prefix Lifetime
<input checked="" type="checkbox"/>	6to4	3	2002:000:000:3::	64	30
<input type="button" value="Add Row"/>	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>			

Step 2. Check the appropriate prefix to be edited.

Step 3. Click **Edit** and follow the steps from the previous section.

Step 4. Click **Save**.

## Delete Advertisement Prefixes

Step 1. Log in to the web configuration utility and choose **Networking > IPv6 > Advertisement Prefixes**. The *Advertisement Prefixes* page opens:

Prefixes to Advertise Table					
<input type="checkbox"/>	IPv6 Prefix Type	SLA ID	IPv6 Prefix	IPv6 Prefix Length	Prefix Lifetime
<input checked="" type="checkbox"/>	6to4	3	2002:000:000:3::	64	30
<input type="button" value="Add Row"/>	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>			

Step 2. Check the appropriate prefix to be deleted.

Step 3. Click **Delete**.

Step 4. Click **Save**.