IPv6 Ranges

(*WHM >> Home >> IP Functions >> IPv6 Ranges*)

Overview

This interface adds or deletes an IPv6 address range from the server. Use this interface to add at least one IPv6 address range before you assign dedicated IPv6 addresses to a user in WHM's *Assign IPv6 Address* interface (*WHM >> Home >> IP Functions >> Assign IPv6 Address*).

> **Important:**
> An IPv6 address range **cannot** contain a server's shared IP address. The system will **not** allow you to set a shared IP address that exists within any configured IPv6 address range.

> **Notes:**
> - Before you use this interface, you **must** ensure that IPv6 functions properly on your server.
>   - For IPv6 to function on a cPanel & WHM server, the `cpsrvd` daemon **must** listen on IPv6 addresses. To enable this functionality, select *On* for the *Listen on IPv6 Addresses* setting in the *System* section of WHM's *Tweak Settings* interface (*WHM >> Home >> Server Configuration >> Tweak Settings*).
>   - Use the steps in our *Guide to IPv6* documentation to check whether IPv6 functions properly.
> - Your hosting provider may require that you reserve IPv6 address ranges for their use.

Add Range

To add a range of IPv6 addresses, perform the following steps:

1. Click *Add Range*.
2. Enter a name for the IPv6 address range in the *Range Name* text box.

   > **Note:**
   > This name **must** contain 64 characters or fewer.

3. Enter the IPv6 address range in the *Range* text box. IPv6 address ranges consist of a shortened IPv6 address, a slash (`/`), and a number that indicates the network portion of the IPv6 address range. For example:

   ```
   2001:0db8:1a34:56cf::/64
   ```

   > **Important:**
   > - Do **not** add an IPv6 address range that contains the main IPv6 address that you set in WHM's *Basic WebHost Manager Setup* interface (*WHM >> Home >> Server Configuration >> Basic WebHost Manager® Setup*).
   > - You **must** add your gateway individually before you add the full gateway range and set the gateway to `RESERVED` so that the system does not assign this IP address to an account. For example:
   >
   >   ```
   >   2001:0db8:1a34:56cf::/128 RESERVED
   >   2001:0db8:1a34:56cf::1/128 RESERVED
   >   ```

4. Select one of the following range types from the *Range Type* menu:
   - *Available* — You can distribute the addresses in this range to the users on your server.
   - *Reserved* — You **cannot** distribute the addresses in this range to the users on your server.

> **Note:**
> If you select *Reserved*, WHM's *Assign IPv6 Address* interface (*WHM >> Home >> IP Functions >> Assign IPv6 Address*) will **not** list the range.

5. Enter a description of the IPv6 address range in the *Range Notes* text box.

> **Note:**
> This description **must** contain 256 characters or fewer.

6. Click *Add Range* to add the IPv6 address range, or click *Cancel* to close the form.

IPv6 Address Ranges table

The *IPv6 Address Ranges* table lists information about each IPv6 address range on the server.

IP Range Details

This column lists the following information for each IPv6 address range on the server:

- The range name.
- The address range.
- The range notes.
- *RESERVED*, if you selected *Reserved* as the address range's type.

Actions

To delete an IPv6 address range, click *Delete Range* for that range in the *IPv6 Address Ranges* table, and then click *OK*.

> **Note:**
> You **cannot** delete a range that currently belongs to a user on your server. To remove an IPv6 address range from an account, use WHM's *Assign IPv6 Address* interface (*WHM >> Home >> IP Functions >> Assign IPv6 Address*).

Additional documentation

Suggested documentation For cPanel users For WHM users For developers

- Guide to IPv6
- Guide to IPv6 - How to Get Started With IPv6
- Guide to IPv6 - IPv6 Server Administration
- Guide to IPv6 - Troubleshoot IPv6 Problems
- Assign IPv6 Address

Content by label

There is no content with the specified labels

- Guide to IPv6

- Guide to IPv6 - How to Get Started With IPv6
- Guide to IPv6 - IPv6 Server Administration
- Guide to IPv6 - Troubleshoot IPv6 Problems
- Assign IPv6 Address

- WHM API 1 Functions - ipv6_range_usage
- WHM API 1 Functions - ipv6_range_add
- WHM API 1 Functions - ipv6_range_edit
- WHM API 1 Functions - ipv6_range_remove
- WHM API 1 Functions - ipv6_enable_account