

HeroTill IP Pools Guide

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Introduction

Radius IP Pools can be added on HeroTill and no longer has to be set up on NAS's. This means that IP Pools only has to be set up once and HeroTill will recognize it globally instead of configuring it one by one on your NAS's. IP Pools that has been set up on NAS's will still be used by freeradius, if the NAS exists in HeroTill's NAS List.

Important: Note that fixed IP's will always get precedence over an IP pool. Realms take precedence over the IP Pool. If the pool has not been defined on HeroTill or the Highsite but has been defined on the Data Package it will have to be defined on either a HeroTill IP Pool or Highsite IP Pool. Otherwise the user will not authenticate.

1. Adding a new IP Pool

1. Go to **Devices -> IP Pools -> IP Pools**.
2. Click on **Add IP Pool**.

Edit IP Pool #4 testrealm ✕

Pool Name	testrealm
Description	test
Auto Assign	<input checked="" type="checkbox"/>
Network	10.16.2.8/29
IP's in Range	10.16.2.9 - 10.16.2.14
Number of IP's	6
Excluded IP's	<input checked="" type="checkbox"/> 10.16.2.9 <input checked="" type="checkbox"/> 10.16.2.12
Realm	testrealm
Included NAS Routers (Leave blank for All)	<input checked="" type="checkbox"/> 10.18.0.9
Excluded NAS Routers	<input checked="" type="checkbox"/> 10.98.1.22
Enabled	<input checked="" type="checkbox"/>

Field Descriptions:

- **Pool Name:**
 - This will be the name you will use to assign the pool on a **Data Package**.
- **Description:**
 - Here you can add a description about the **IP Pool** if needed for special case.
- **Auto Assign:**
 - If **Auto Assign** is switched on then it will automatically allocate IP's to the users from the **IP range**. If the filter conditions are met (realm, included, excluded NAS routers).
- **Network:**
 - This will be the **IP subnet range** that you wish to use (example: **10.16.2.8/29**).

- **IP's in Range:**
 - This will display the **range of IP's** within the subnet (example: **10.16.2.9 - 10.16.2.14**).
- **Excluded IP's:**
 - Here you can **select** or **deselect** any of the IP's within the range to exclude from the pool if you don't want them to be allocated to a user (For example highsite devices like camera monitors, power monitors etc).
- **Realm:**
 - The radius users will be allocated an IP from this pool using this **realm** in their username. For example, the user will authenticate using: **user@testrealm** (username). The user will then be allocated an IP within this IP pool regardless if it has been set up on the Data Package.
- **Included NAS Routers:**
 - This is a **filter** to specify that the IP Pools will **only** work for users on the selected NAS Router or Routers.
- **Excluded NAS Routers:**
 - This is a **filter** to specify that the IP Pools will **not** work for users on the selected NAS Router or Routers.
- **Enabled:**
 - This is to specify whether or not the **IP Pool** is in **use**.

2. Assigning an IP Pool to a Data Package

Add a new Package
✕

Primary Details
Billing

Package Code

Package Title

Product Group ✕ ▼

Radius Service ▼

Monthly Cap Size ▼ This overrides any pre-set Radius Service Monthly Data Limit

Uncapped Product OFF Shows product in appropriate category on signup forms

Auto Rollover OFF These package will continuously rollover once capped. A service once capped is required

Add Overusage on Topup OFF When a topup is applied, overusage data will be added to the topup

Visible to Admin Users ON If disabled admin users won't be able to select this product when editing radius accounts

Visible to Customers ON If disabled customers won't be able to select this product when signing up or switching packages

Show Cap on Usage reports ON If hidden the Cap Size above acts as a softcap in conjunction with the Service below

IP Pool

IP Pool once Capped

Service once Capped ✕ ▼

Cancel
Add Package

1. Go to **Radius -> Data Packages**
2. **Edit** or **Add a Data Package**
3. Add in the necessary **settings** for the **Data Package** or leave as is if the **Data Package** already exists.
4. In the **IP Pool** field add in the **name** of the **Radius IP Pool** that you have added on HeroTill.
5. Click **Save Changes** or **Add Package**.
6. Note that it will still pick up **IP pools** that you have set up on your **highsite routers**. But it should have the **correct name**. You can still use the IP Pool names that has been set up on the Highsite routers but if the IP Pool does **not exist** on either the

Highsite router or HeroTill the user will **not authenticate**.

7. HeroTill will now use the **IP Pool** for all users on the **Data Package** it was defined on, as long as the filter conditions are met.
8. The user can also **authenticate** using a realm (**user@realm**). If the **realm** has been defined on an IP pool on HeroTill. This will override the IP Pool defined on the **Data Package**.

3. View IP Allocations

Radius IP Pool Allocations

All IP Pools IP Pool Setup Refresh

Show 10 Rows

Search:

Copy Columns Clipboard Export Columns CSV Export Columns Excel Show / Hide Columns

Pool Name	IP Address	NAS IP	MAC Address	Radius Username	Expiry Date	Radius Session Start	Session Usage
testrealm	10.16.2.14	10.255.0.9	d4:ca:6d:fa:38:ea	proxytest@testrealm	2017-09-19 15:41:20	2017-09-18 15:01:20	6.4 KB
testrealm	10.16.2.9	10.98.108.1	d4:ca:6d:dd:5e:9e	proxytest@testrealm	2017-09-19 15:40:09	2017-09-15 13:40:07	800.9 MB

Showing 1 to 2 of 2 entries

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- Go to **Devices -> IP Pools -> IP Pool Allocations**
- Here you will see a summary of which IP has been allocated, on which pool, which radius user etc.