

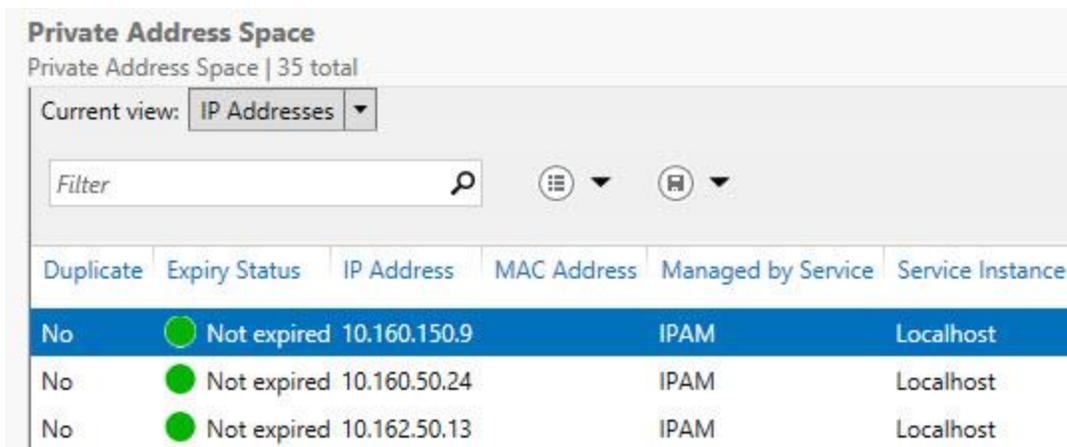
How do I import IP addresses using IPAM into Windows Server 2012?

The **IP Address Management (IPAM)** client in Server Manager allows you to manually add and edit IP addresses, but if you have been recording IP address utilization in a spreadsheet, you will probably want to try and import that data into IPAM. In this article, I'll show you how to format IP address information in a file correctly to **import bulk IP addresses into Windows Server 2012 using IPAM**.

Format the Import File

IPAM is poorly documented in my opinion, making a useful feature harder to use and understand than it should be. Importing data into IPAM is very simple once you know how. Let's start by looking at what information about IP addresses we can actually import. To do this, log on to your IPAM server and open Server Manager:

- Click **IPAM** in far left pane of Server Manager.
- In the IPAM client, select **IP Address Blocks** under IP ADDRESS SPACE, and make sure that Current view is set to **IP Addresses** in the drop-down menu.
- If you look along the top the window, you will see the IP address fields listed along the top, such as **IP Address** and **IP Address State**. You can add or remove fields by right-clicking on one of the existing fields.



The screenshot shows the 'Private Address Space' interface in IPAM. It displays a table with columns for Duplicate, Expiry Status, IP Address, MAC Address, Managed by Service, and Service Instance. The table contains three rows of IP addresses, all with a 'Not expired' status and managed by IPAM on the localhost.

Duplicate	Expiry Status	IP Address	MAC Address	Managed by Service	Service Instance
No	Not expired	10.160.150.9		IPAM	Localhost
No	Not expired	10.160.50.24		IPAM	Localhost
No	Not expired	10.162.50.13		IPAM	Localhost

If you want to import **IP Address** and **Assignment Type** information, you need to add these fields to the first line of your import file, without spaces, as shown below:

IPAddress,IPAddressState,AssignmentType,ManagedByService,ServiceInstance,AssetTag
10.160.50.12,In-Use,Static,IPAM,Localhost,BR12
10.160.50.13,In-Use,Static,IPAM,Localhost,BR13
10.160.50.14,In-Use,Static,IPAM,Localhost,BR14
10.160.50.15,In-Use,Static,IPAM,Localhost,BR15

Alternatively, you can keep the spaces in the field names and enclose with quotation marks, for example, “**IP Address**” and “**IP Address State**”. The actual IP address data should then follow, comma delimited in the same order that you specified the fields as shown above.

Some fields, such as **IP Address State**, will require you to look and see what the valid input options are. To find out what the possible options are:

- Click **Tasks** in the far right corner of the IPAM client and select **Add IP Address** from the menu.
- In the Add IP Address window, select the drop-down menu by the side of the field to see the possible options. For instance, the **IP Address State** field can be set to **In-Use**, **Inactive** or **Reserved**.

Import IP addresses

Once you’ve decided what information to import and formatted it correctly in a comma delimited file (.csv), you’re ready to import the IP addresses into IPAM:

- Make sure that **IP Address Blocks** is still selected in IPAM under IP Address Space.
- Select **Import IP Addresses** from the Tasks menu on the far right of the IPAM client.
- In the open file dialog, select your .csv file of IP addresses and click **Open**.
- When the import process has completed, click **OK** in the Import IP Addresses dialog.

Once the IP addresses have been imported, they should appear in the main window if the current view is set to **IP Addresses**