SOLARWINDS TECH TIPS

How to Import IP Addresses & Subnets to SolarWinds® IP Address Manager

Share:

solarwinds
Unexpected Simplicity™

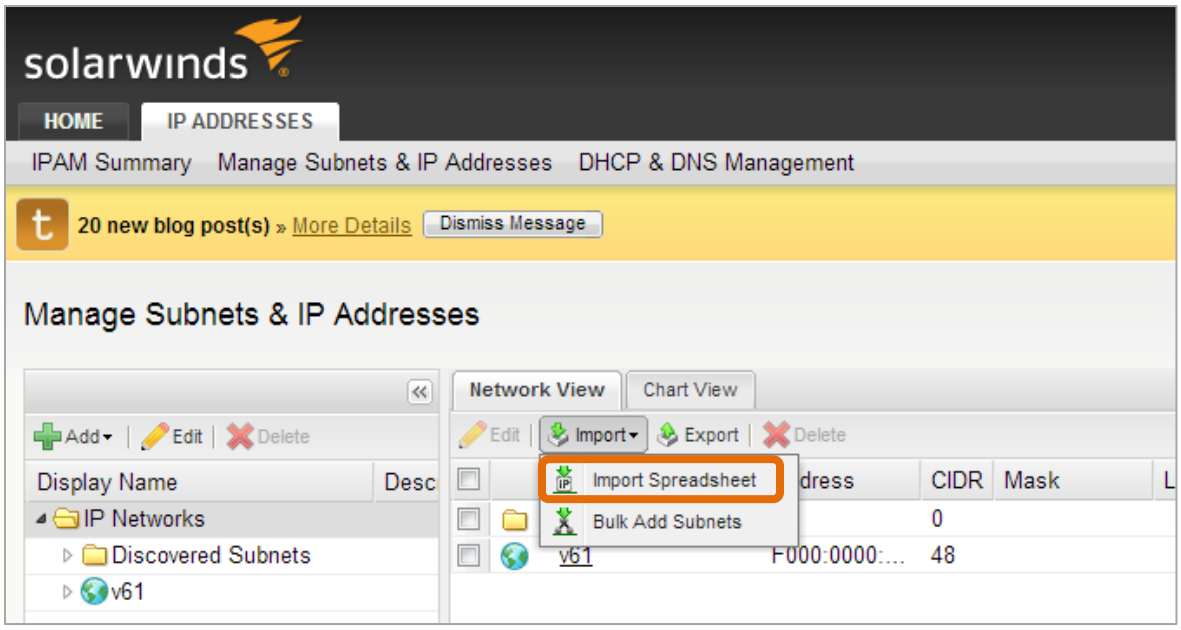
How to Import IP Addresses & Subnets to SolarWinds IP Address Manager

SolarWinds IP Address Manager (IPAM) simplifies the process of importing all your IP addresses and subnets. With IPAM's easy-to-use **Import Wizard**, you can now upload all your IP addresses and subnets from Excel or .csv spreadsheets. The wizard walks you through a series of steps and provides the functionality to manage the spreadsheet data that gets uploaded.

IPAM allows you to select which data you want to import and how to map the imported content. The wizard will help you understand the import process so you can import all your IP addresses and subnets for centralized IP address management.

Importing IP Addresses and Subnets

Open the Import Wizard. Click **Manage Subnets & IP Addresses** >> **Network View** >> **Import** >> **Import Spreadsheet**.

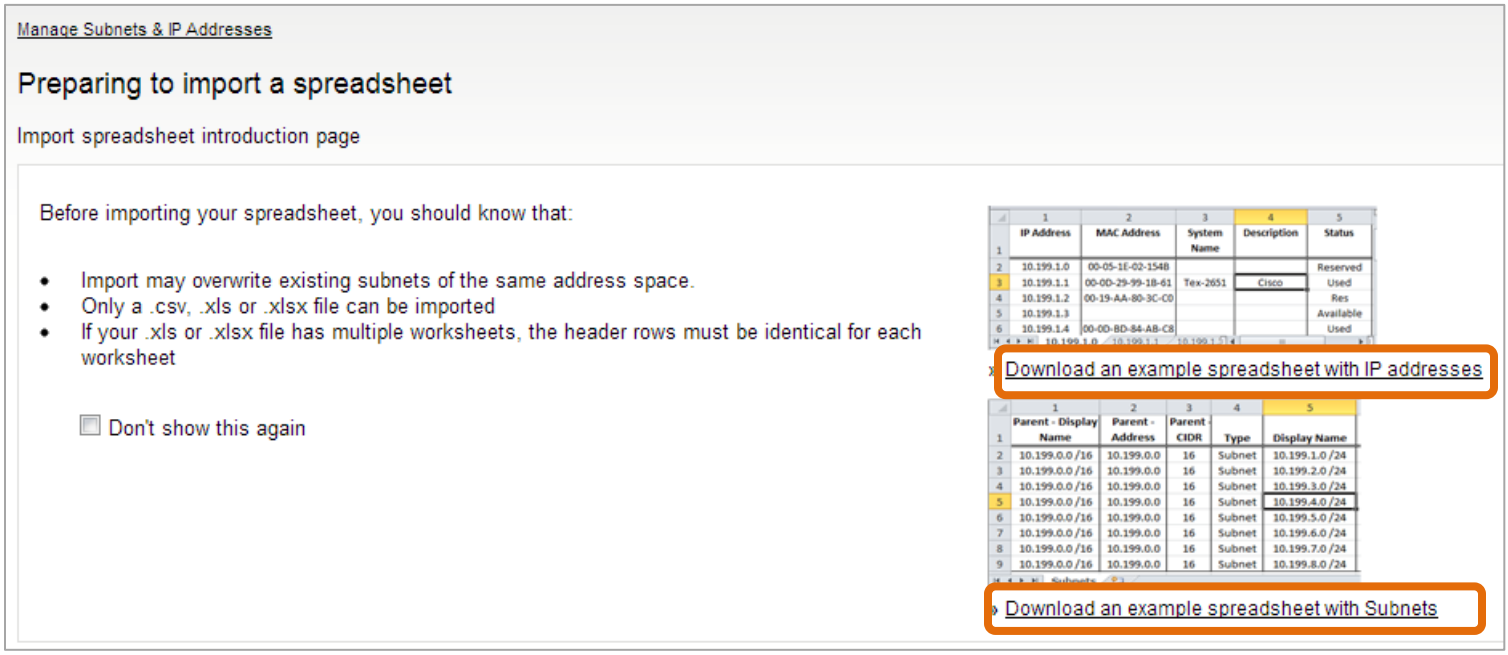


Opening Import Wizard in SolarWinds IPAM

Step 1: Prepare to Import a Spreadsheet

SolarWinds IPAM includes Excel spreadsheet templates to have your IP addresses and subnets formatted to a standard pattern that makes the importing process easier. You can download these templates and convert your existing spreadsheets with IP addresses and subnets into this form for the import. Once this is done, click **Next**.

Note: Using the IPAM-recommended spreadsheet template is not mandatory. You can also import your own spreadsheet, but using the template is recommended to make the process simpler and faster.

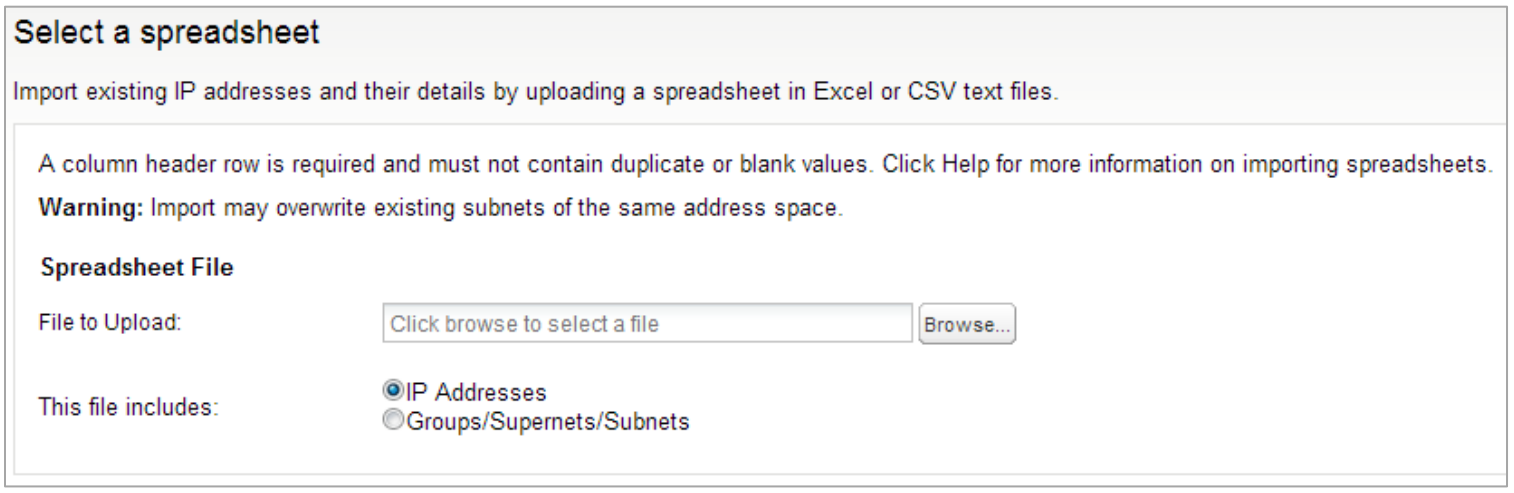


Import spreadsheet templates available in SolarWinds IPAM

Step 2: Select the spreadsheet from your system

You can select the spreadsheet (.xls or .xlsx, or .csv) from your system for the import.

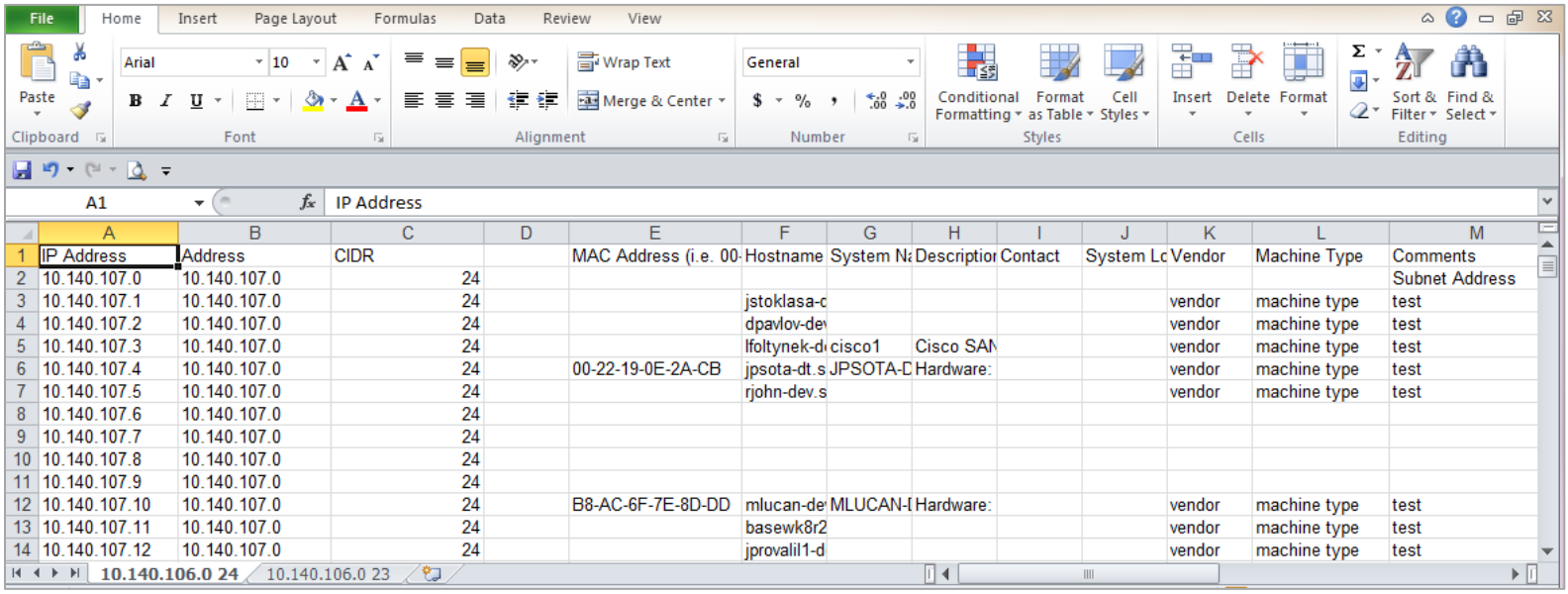
While getting your spreadsheet ready for the import make sure you insert a column header row that doesn't contain any duplicate or blank values. Once this is done, click **Next**.



Importing Spreadsheet in SolarWinds IPAM

Note: The import might overwrite existing subnets of the same address space.

SolarWinds IPAM allows you to import spreadsheets with multiple worksheets. Each worksheet can denote a specific subnet and contain the IP address allocation for that subnet.



	A	B	C	D	E	F	G	H	I	J	K	L	M
1	IP Address	Address	CIDR		MAC Address (i.e. 00	Hostname	System Na	Descriptior	Contact	System Lc	Vendor	Machine Type	Comments
2	10.140.107.0	10.140.107.0	24										Subnet Address
3	10.140.107.1	10.140.107.0	24			jstoklasa-c					vendor	machine type	test
4	10.140.107.2	10.140.107.0	24			dpavlov-de					vendor	machine type	test
5	10.140.107.3	10.140.107.0	24			lfoltynek-d	cisco1	Cisco SAN			vendor	machine type	test
6	10.140.107.4	10.140.107.0	24		00-22-19-0E-2A-CB	jpsota-dt.s	JPSOTA-D	Hardware:			vendor	machine type	test
7	10.140.107.5	10.140.107.0	24			rjohn-dev.s					vendor	machine type	test
8	10.140.107.6	10.140.107.0	24										
9	10.140.107.7	10.140.107.0	24										
10	10.140.107.8	10.140.107.0	24										
11	10.140.107.9	10.140.107.0	24										
12	10.140.107.10	10.140.107.0	24		B8-AC-6F-7E-8D-DD	mlucan-de	MLUCAN-I	Hardware:			vendor	machine type	test
13	10.140.107.11	10.140.107.0	24			basewk8r2					vendor	machine type	test
14	10.140.107.12	10.140.107.0	24			jprovalil1-d					vendor	machine type	test

Sample spreadsheet with multiple worksheets for importing into SolarWinds IPAM

You can import IP addresses and subnets into IPAM to:

- Add more IP addresses to an existing subnet.
- Replace/overwrite the existing subnet with new IP address data.
- Create new subnets by importing subnet and IP address data into IPAM.

Step 3: Match IP Address & Subnet Columns

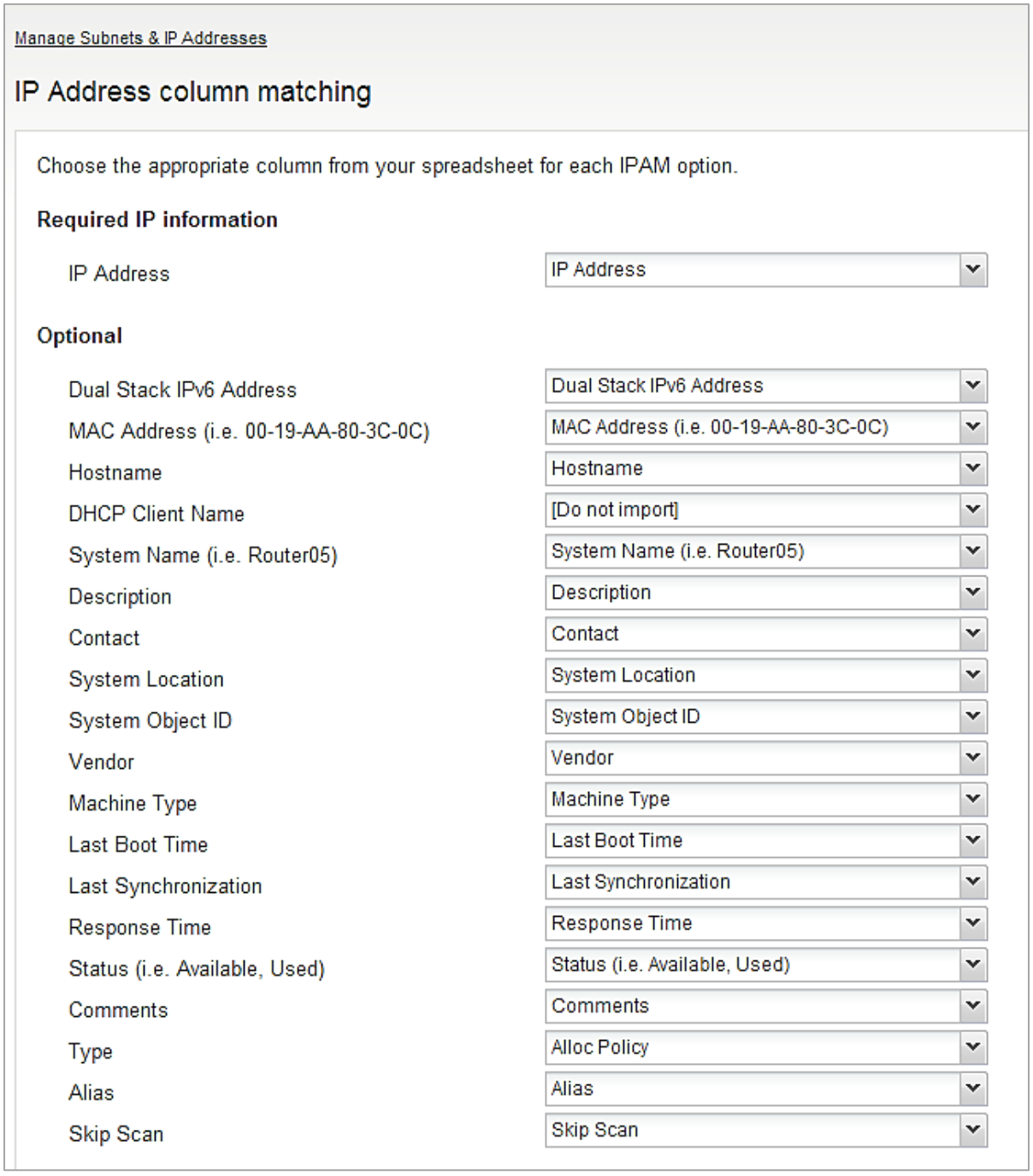
SolarWinds IPAM allows you to choose the appropriate column from your spreadsheet for each IPAM option.

You may have different column header names in your spreadsheet if you are not using the IPAM-recommended template. IPAM enables you to map those fields from your spreadsheet with the default data fields that are required for the import.

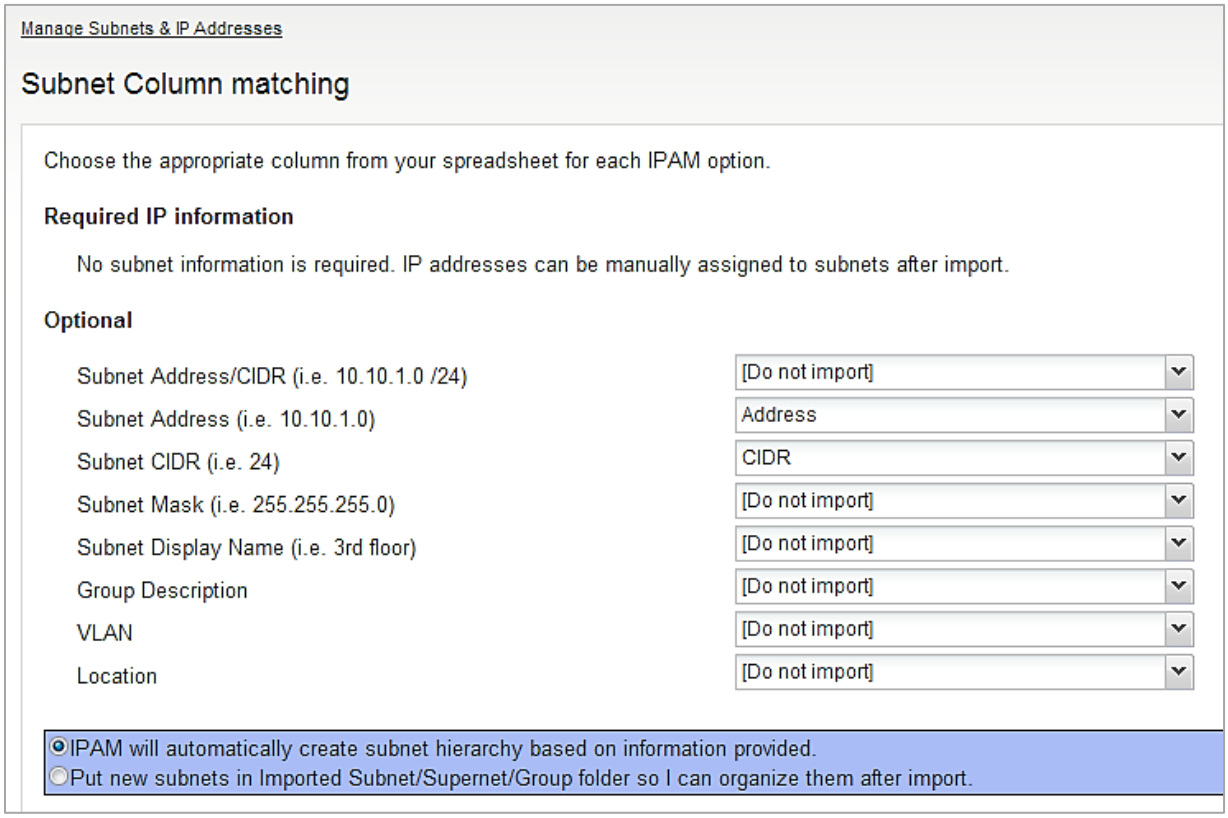
IPAM gives you two options for subnet columns:

- Automatically create subnet hierarchy based on information provided.
- Place new subnets in the Imported Subnet/Supernet/Group folder so you can organize them after import.

When you click **Next**, IPAM validates the data before proceeding to the next step.



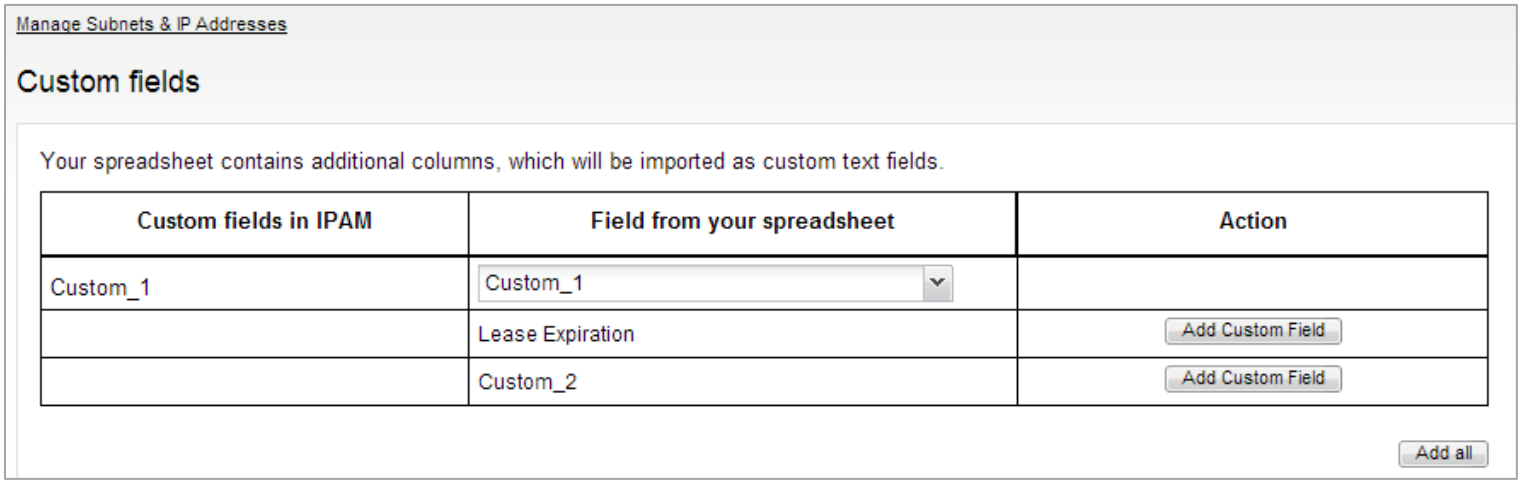
IP Address Column Matching in SolarWinds IPAM



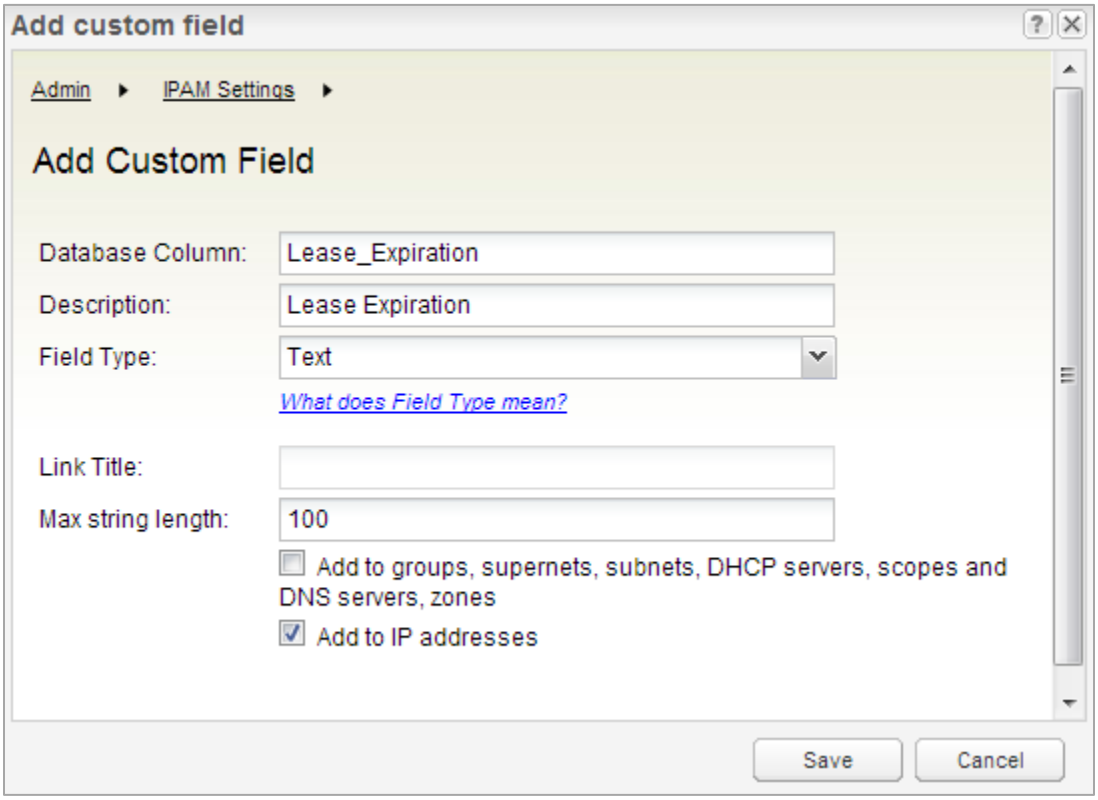
Subnet Column Matching in SolarWinds IPAM

Step 4: Select Custom Fields

If the imported spreadsheet columns contain custom fields, determine which fields you would like to have imported by clicking **Add Custom field**.



This opens the **Add Custom Field window** where you can enter the details for the custom field. Once this is done, click **Next**.

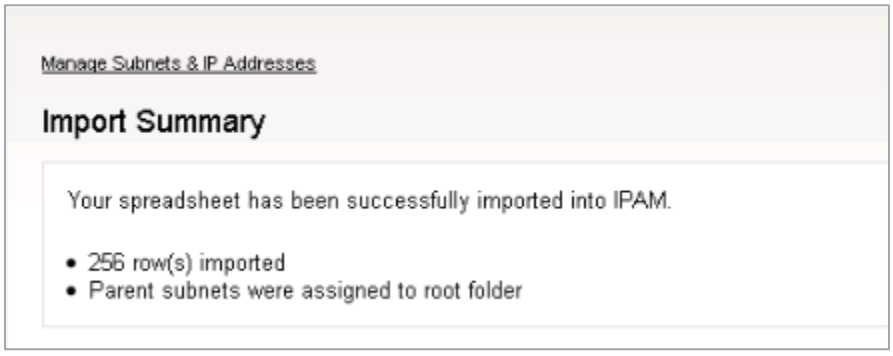


Adding and importing custom fields

Step 5: Confirm Import

IPAM presents all the import information in one snapshot summary before proceeding with the import so you can ensure all the information is correct. If you have any changes to make, you can go back and make the changes accordingly (repeat the steps in order from where you are making changes). Once this is done, click **Import**.

Now you'll get an Import Summary with the status of the import and how many rows were imported.



Import summary in SolarWinds IPAM

All the IP addresses and subnets will now be available in the **Manage Subnets & IP Addresses** tab, and you can start managing them using IPAM's centralized Web console.

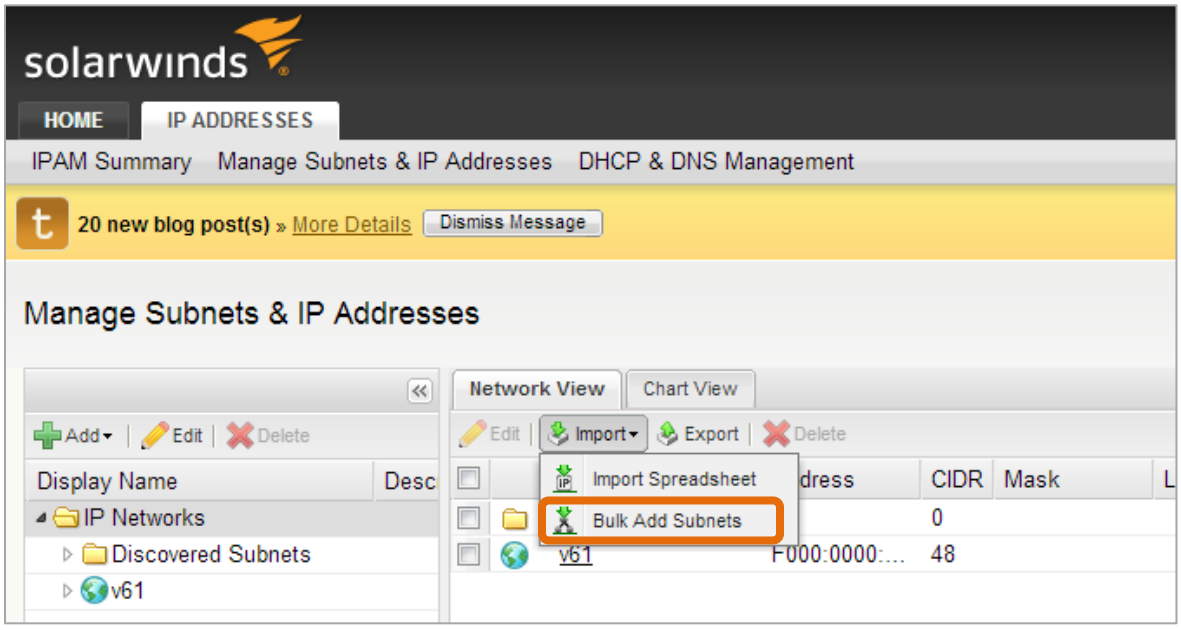
Spreadsheet Import Information:

- SolarWinds IPAM allows you to determine where the IP address information is imported to.
- The imported data can be distributed in existing IP addresses across the subnet tree.
- New subnets can automatically be created upon import.
- You can import IPv4 & IPv6 Groups, Supernets & IPV6 Global prefixes, including subnet tree hierarchy.
- Imported data will respect user delegation permissions.
- The name of the worksheet can have the name of the subnet/CIDR.

Import IP Addresses and Subnets in Bulk

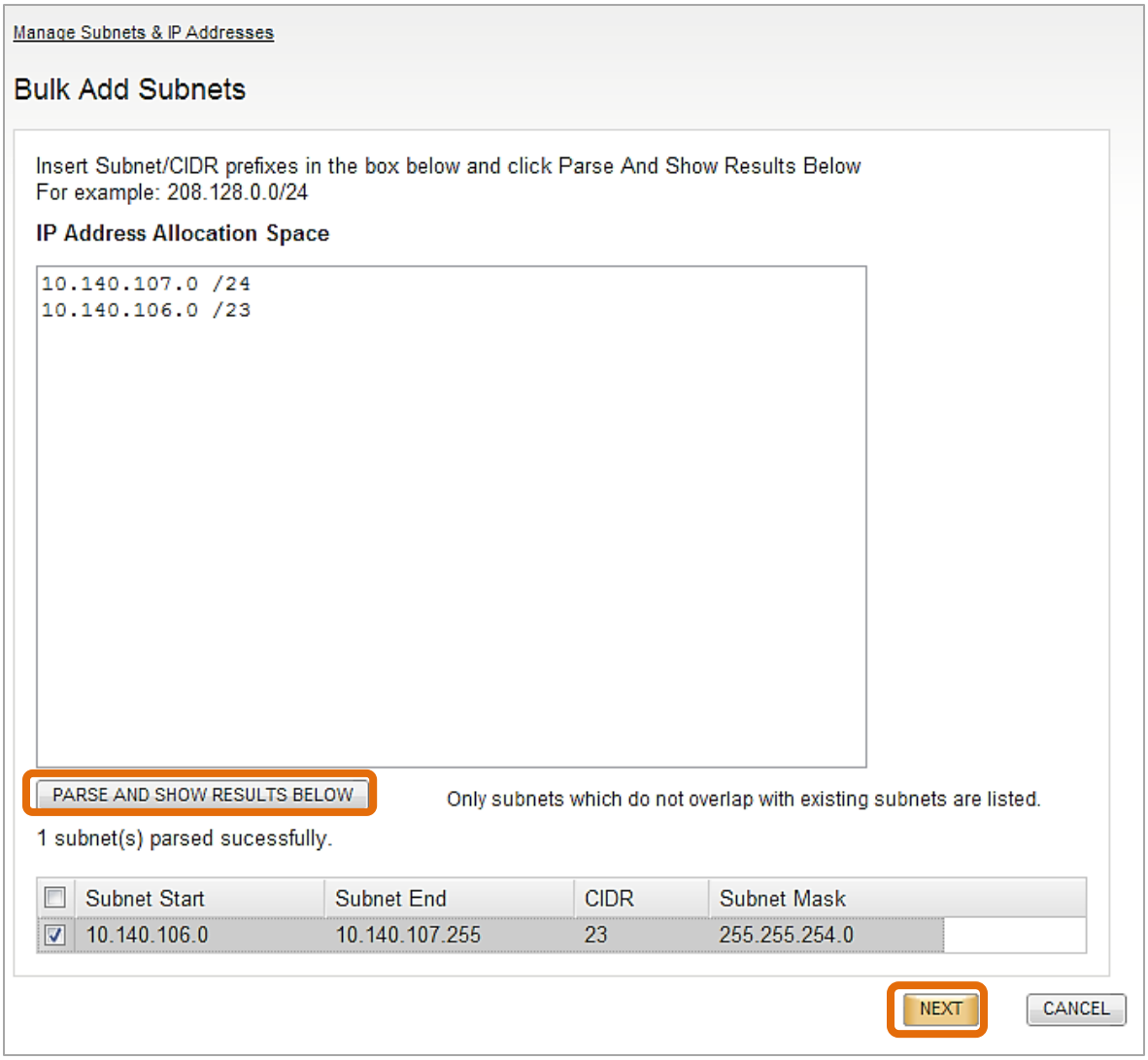
SolarWinds IPAM allows you to import IP addresses and subnets in bulk by typing or copying them on a text field.

Open the **Bulk Add Subnets** page. Click **Manage Subnets & IP Addresses** >> **Network View** >> **Import** >> **Bulk Add Subnets**.



Bulk adding subnets in SolarWinds IPAM

This opens the **Bulk Add Subnets** page where you can insert subnet/CIDR prefixes. Click **Parse and Show Results Below**. Confirm success message and then click **Next.**

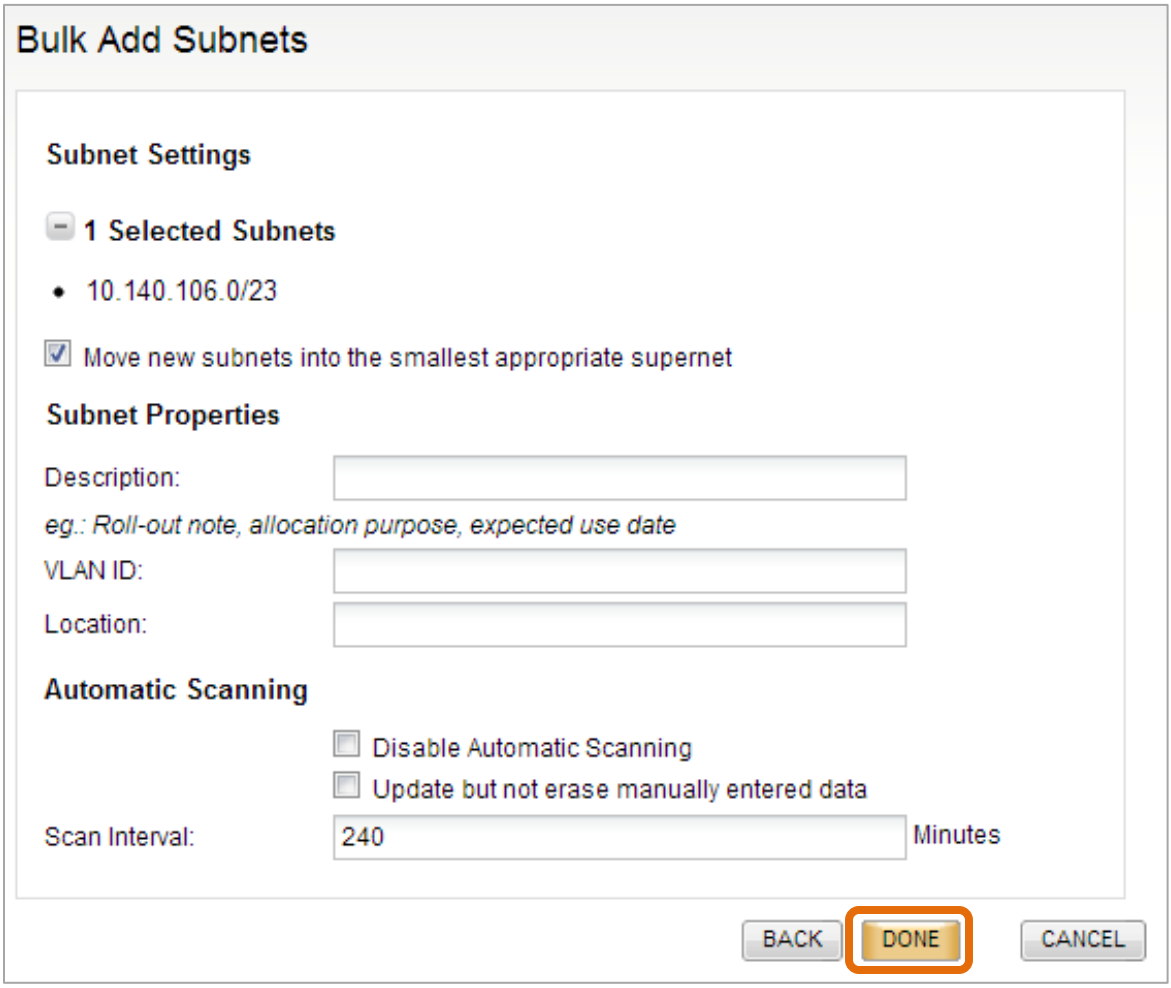


Bulk adding subnets in SolarWinds IPAM

Now you have the option of moving the new subnets into the smallest appropriate supernet.

- You can enter the Subnet Properties.
- You can disable the Automatic Subnet Scanning and edit some settings.

Click **Done** to bulk add all the parsed subnets.

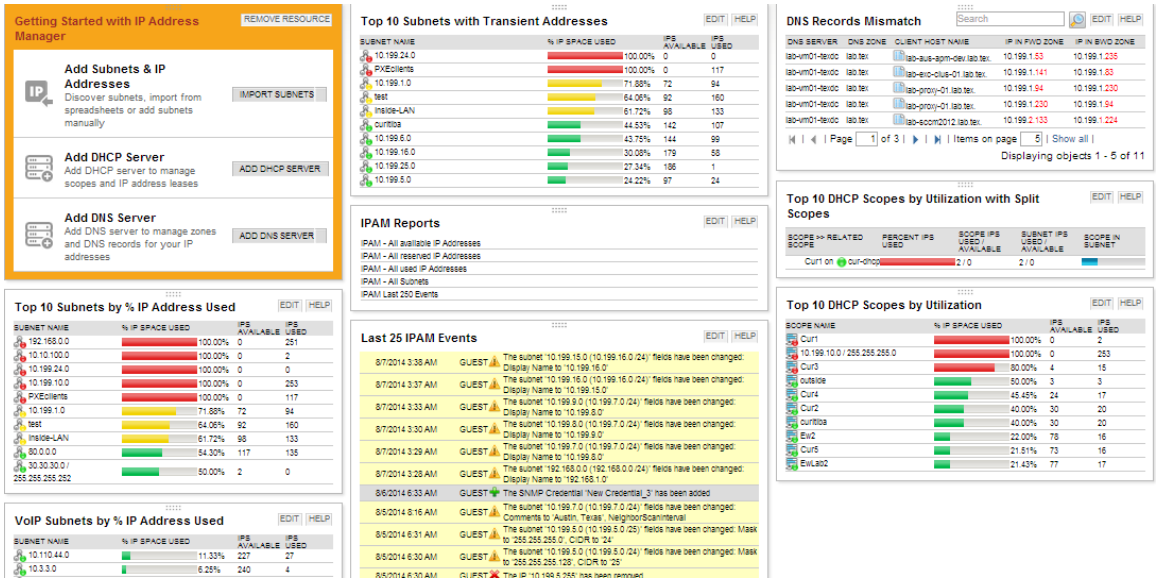


Moving new subnets into the smallest appropriate supernet

Why SolarWinds IP Address Manager?

Eliminate Complexity, Improve Reliability, Save Time & Money!

- Centralized DHCP management for Microsoft® DHCP services, monitoring for Microsoft DNS, ISC DHCP and BIND DNS services, and Cisco® DHCP servers.
- Intuitive Web interface for simple, single-click management and IP address planning.
- Automatic subnet discovery and IP address scanning for the most accurate real-time discovery and verification.
- Easily search addresses for history, op status, MAC, device type, DHCP, DNS properties and more.
- Preventative alerting to ensure that subnets and DHCP scopes don't fill up.
- Role-based access control and detailed event recording to track who made what change
- Supports IPv4 and IPv6 networks.
- Alert notifications to help prevent your subnets & DHCP scopes from filling up.
- Automatically discover used and unused IP addresses.
- Typically deploys in less than an hour.



TEST DRIVE DEMO »

DOWNLOAD FREE TRIAL

Fully Functional for 30 Days

SolarWinds IP Address Manager

SolarWinds (NYSE: SWI) provides powerful and affordable IT management software to customers worldwide - from Fortune 500 enterprises to small businesses. The company works to put its users first and remove the obstacles that have become “status quo” in traditional enterprise software. SolarWinds products are downloadable, easy to use and maintain, and provide the power, scale, and flexibility needed to address users’ management priorities. SolarWinds online user community, thwack is a gathering-place where tens of thousands of IT pros solve problems, share technology, and participate in product development for all of the company’s products. Learn more today at http://solarwinds.com.

For additional information, please contact SolarWinds at 866.530.8100 or e-mail sales@solarwinds.com.

To locate an international reseller near you, visit http://www.solarwinds.com/partners/reseller_locator.aspx