



IPSWITCH

Getting Started with IP Address Manager

This guide provides information about installing, configuring, and beginning to use IP Address Manager v1.0.



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CHAPTER 1

Welcome

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Welcome to IP Address Manager

Ipswitch IP Address Manager is an automated solution to the cumbersome and error prone task of inventorying network address usage. IP Address Manager's discovery scans to find devices on your network and provides you with an extensive breakdown of your network's subnets, DHCP, and DNS servers. Discovery scans can be scheduled to run automatically to gather up-to-date inventory information on a daily basis. Discovery Alerts notify you when changes are detected in your discovery files and allow you to merge and sync changes. The IP Address History Log offers chronological event history, such as allocation and status change, for IP addresses, MAC addresses, and hostnames.

The IP Address Manager's network views allow you to see information about your network's subnets and servers from one central location. IP Address Manager's main view, the Subnets View, allows you to manage your network subnets, without having to leave the IP Address Manager console. IP Address Manager's DNS server view gives you in-depth inventory information for your network DHCP servers. Configurable thresholds alert you when your servers are nearing full capacity, allowing you to make hardware or configuration changes if and when conflicts arise.

Inventory information can be saved, exported and distributed in multiple formats as reports. Scheduled Reports can be configured to send inventory information on a regularly scheduled basis.

IP Address Manager can share a server with Ipswitch WhatsUp Gold, or can be installed as a standalone application on a separate server.

Deploying IP Address Manager

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STEP 1: Prepare the network

Prepare devices for discovery

In order for IP Address Manager to properly discover and identify devices, each device must respond to the protocols that IP Address Manager uses during discovery.

Preparing devices to be discovered

To discover that a device exists on an IP address, IP Address Manager uses the following protocols:

- Ping (ICMP)
- TCP

If a device does not respond to ping or TCP requests, it cannot be discovered by IP Address Manager. We recommend ensuring that all devices respond to at least one of these types of requests prior to running a discovery.

Preparing devices to be identified

After IP Address Manager discovers a device on an IP address, it queries the device to determine its manufacturer and model and other device property information. To gain this information, IP Address Manager uses SNMP.

Enabling SNMP on devices

We recommend that important devices be configured to respond to SNMP requests. For information about how to enable SNMP on a specific device, see *Enabling SNMP on Windows devices* in the *WhatsUp Gold Online Help* (<http://www.whatsupgold.com/wug15webhelp>) or consult the device documentation. For information about configuring SNMP on network devices, you may also want to view the WUG Guru video *How to enable SNMP on a Windows server* (<http://www.whatsupgold.com/wug123snmpvideo>).



Note: If a firewall exists between IP Address Manager and the devices to be discovered (or if the Windows Firewall is enabled on the computer where IP Address Manager is installed), make sure that the appropriate ports are open on the firewall to allow IP Address Manager to communicate via SNMP.

Install and activate

IP Address Manager can share a server with Ipswitch WhatsUp Gold, or can be installed as a standalone application on a separate server. In either case, IP Address Manager is licensed separately, and is installed using the IP Address Manager installation program. The *IP Address Manager Release Notes* (<http://www.whatsupgold.com/IPAM1relnotes>) contain the most up-to-date information about installing.

Before installing, we recommend that you read the *IP Address Manager Release Notes* (<http://www.whatsupgold.com/IPAM1relnotes>) for possible application update details and review the system requirements information to ensure that the system, on which you are attempting to install, meets the base-level requirements.

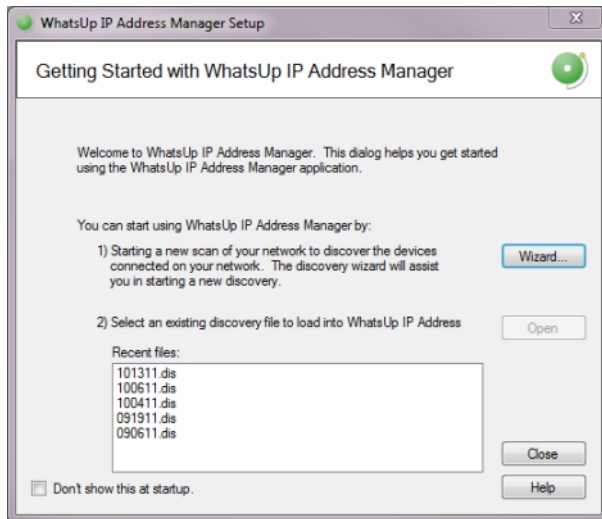
After you install, the product should automatically activate using the license you purchased for IP Address Manager. In the event that you should need to manually activate your IP Address Manager installation, see *Activating IP Address Manager* in the *IP Address Manager User Guide*.

STEP 2: Discover the network

Starting IP Address Manager

To start IP Address Manager:

From the Windows Start Menu, select **Ipswitch IP Address Manager**.



There are two **Getting Started** options to help you begin gathering and viewing network information:

- Start a new network scan to discover devices connected on the network. Click **Wizard** to start the Wizard discovery process.
- If you have saved IP Address Manager discovery files previously, you can select an existing discovery file in the **Recent files** list, then click **Open**.

Select **Don't show this at startup** to prevent this dialog from appearing each time you start IP Address Manager.

For more information about other methods to do network discovery, see *About Network Discovery* in the IP Address Manager Help.

Discover the network

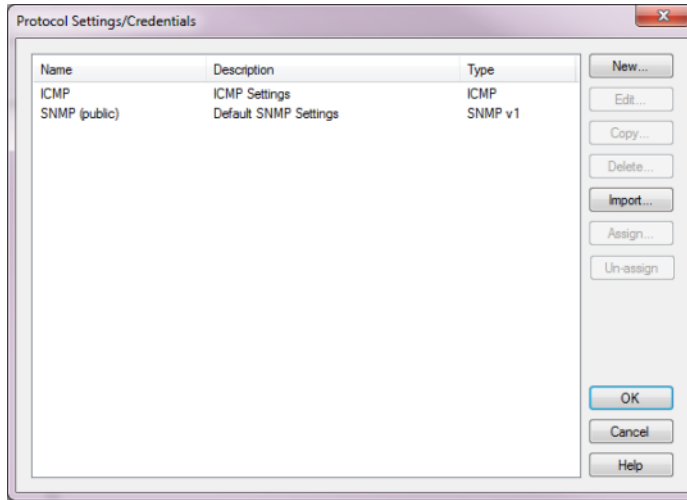
Before you can begin using IP Address Manager with your network, you must first discover your network. You can do this using the IP Address Manager Discovery Wizard upon starting IP Address Manager, or from the IP Address Manager main menu at both **File > New** and **Discover > Network**.

For information about discovery methods and the protocols required to discover your network, please see the *Discovering Networks* section of the IP Address Manager Help.

STEP 3: Configure and assign credentials

IP Address Manager uses SSH and Telnet credentials to communicate with the devices on your network. You need to assign appropriate credentials to every device that you plan to manage through IP Address Manager, as credentials are required for most IP Address Manager features.

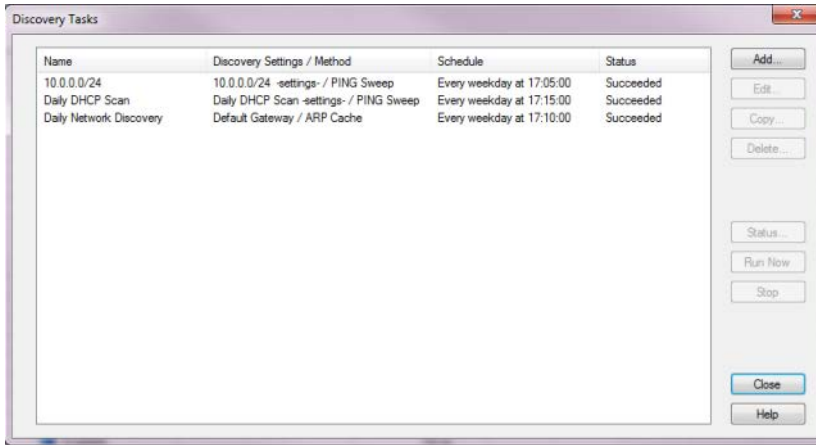
Protocols Settings/credentials are configured and assigned to devices in the Protocol Settings/Credentials Library.



For more information, see *Configuring network protocols and credentials* in the IP Address Manager Help.

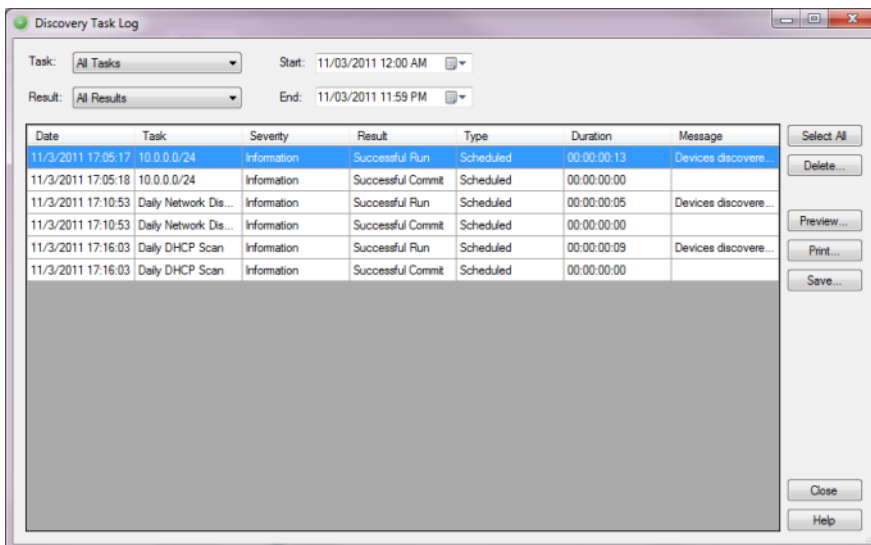
STEP 4: Configure discovery tasks

IP Address Manager Discovery Tasks allow you to schedule discovery scans of your network, subnets, and DHCP servers. These scans use the Discovery Settings you configure in the Discovery Settings dialog or the Getting Started with IP Address Manager Wizard and the schedule created during the creation of the discovery task. You can schedule a task to run daily, weekly, monthly, yearly, or on some other defined time interval. Additionally, you can enable alerts for discovery task scans to notify you when the alert criteria you select is met. Discovery tasks are configured from and stored in the Discovery Task Library.



For more information, see *About IP Address Manager Discovery Tasks* in the IP Address Manager Help.

Discovery Task information can be viewed in the IP Address Manager Discovery Task Log, which displays the results of tasks that attempted to run, whether successfully or unsuccessfully, during a specified time period.

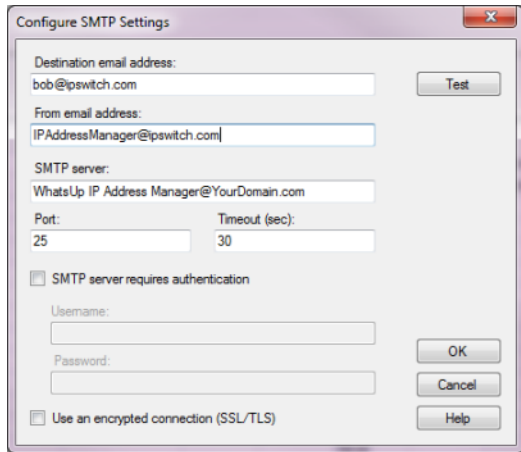


For more information, see *About the Discovery Task Log* in the IP Address Manager Help.

STEP 5: Configure email settings

IP Address Manager Email Settings are used to deliver discovery scan alerts and scheduled reports.

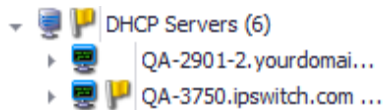
Email Settings are configured and stored in the Configure SMTP Settings dialog.



For more information, see *Configuring Email Settings* in the IP Address Manager Help.

STEP 6: Configure thresholds

IP Address Manager thresholds notify you when a subnet or DHCP scope is nearly full. When a threshold reaches the specified value, IP Address Manager notifies you by displaying a yellow flag next to the nearly full subnet or DHCP scope, as well as next to the subnet or DHCP server on which the subnet and scope reside.



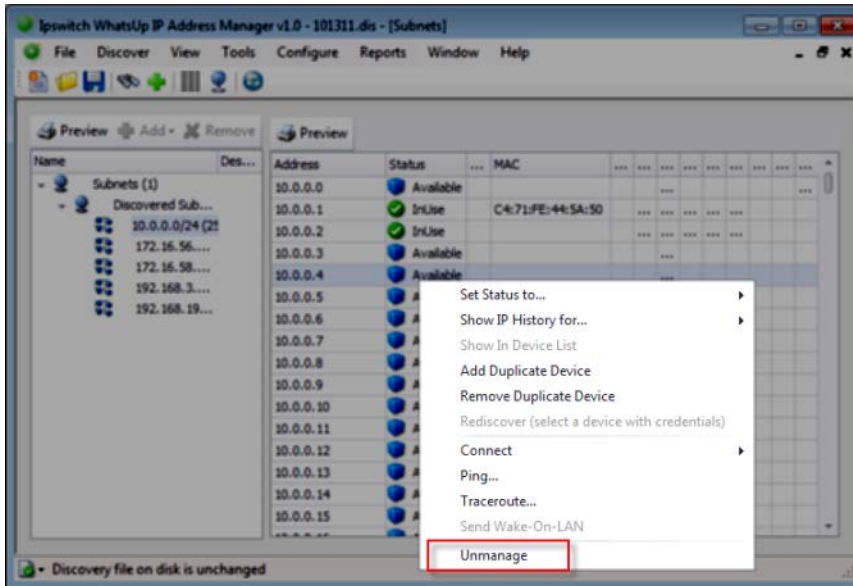
By default, IP Address Manager alerts you when a subnet or DHCP scope is 90% full, however you can change the default threshold number.

Thresholds are configured in the Thresholds dialog.

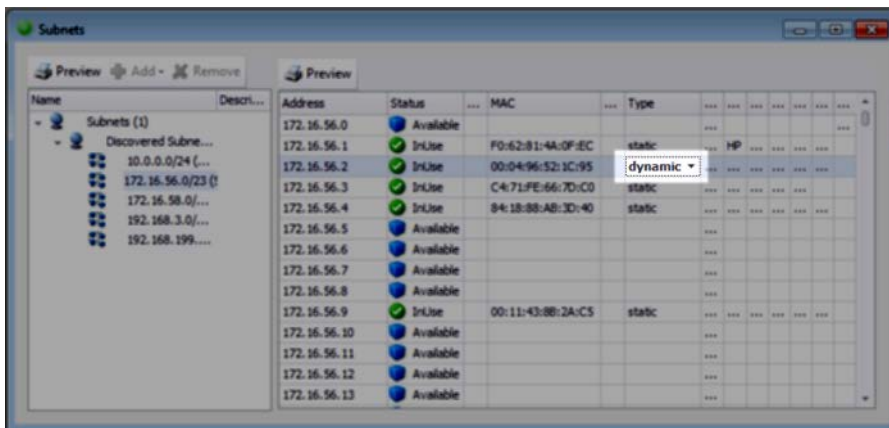
For more information, see *Configuring thresholds* in the IP Address Manager Help.

STEP 7: Manage addresses

Using the Subnet View right-click menu, you can select to unmanage and manage subnets. By default, all discovered subnets are manageable; in order to comply with your IP Address Manager license, you may be required to unmanage addresses.



Additionally, you can overwrite discovered data by double-clicking in a Subnet View field and entering new information.



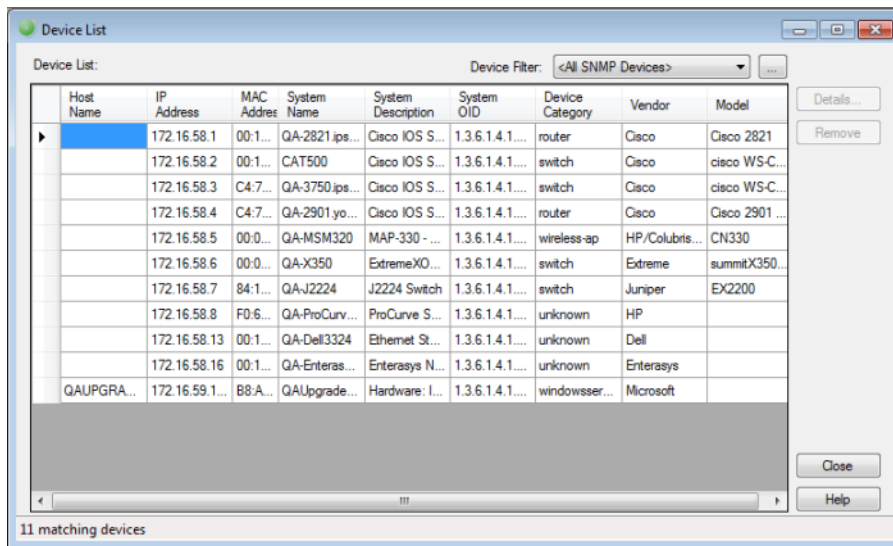
For more information, see *About Subnets View* in the IP Address Manager Help.

STEP 8: View network data

The IP Address Manager console provides the capability of browsing network discovery results using 3 views.

Device List View

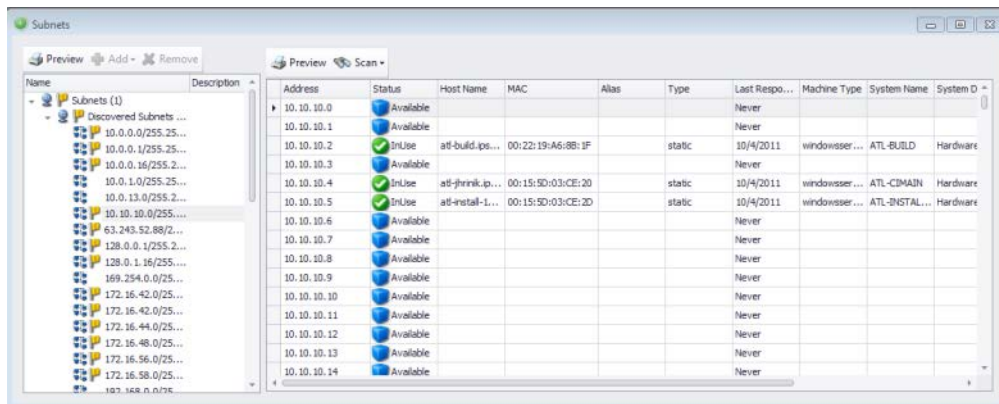
Device List View is a spreadsheet-like view that helps you organize, filter, and find network devices and data.



For more information, see *About Device List View* in the IP Address Manager Help.

Subnets View

Subnets View is a visual representation of network subnets and to manage the IPs in discovered subnets.



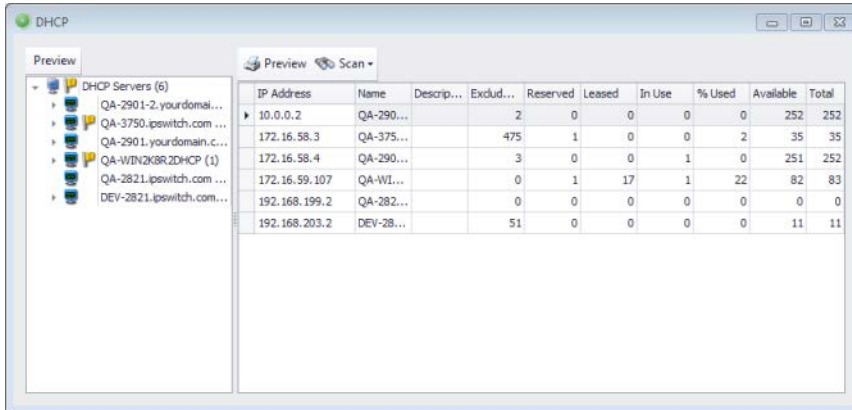
The left side of the view displays the grouping of network subnets. The right side of the pane displays the subnets and IPs associated with their respective subnet group or subnet.

Getting Started with IP Address Manager

For more information, see *About Subnets View* in the IP Address Manager Help.

DHCP View

DHCP View is a visual representation of network DHCP servers and associated scopes.



IP Address	Name	Descrip...	Exclud...	Reserved	Leased	In Use	% Used	Available	Total
10.0.0.2	QA-290...			2	0	0	0	252	252
172.16.58.3	QA-375...			475	1	0	0	35	35
172.16.58.4	QA-290...			3	0	0	1	251	252
172.16.59.107	QA-WI...			0	1	17	1	82	83
192.168.199.2	QA-282...			0	0	0	0	0	0
192.168.203.2	DEV-28...			51	0	0	0	11	11

The left side of the view displays the grouping of network DHCP servers and server scopes. The right side of the pane displays the server/scope properties by scope, exclusion, options, and leases.

For more information, see *About DHCP View* in the IP Address Manager Help.

In addition to IP Address Manager network views, you can view network information in several reports.

For more information, see *Viewing IP Address Manager Reports* in the IP Address Manager Help.

CHAPTER 3

More information

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For more information and updates

The following are information resources for IP Address Manager. This information may be periodically updated and available on the *WhatsUp Gold web site* (<http://www.whatsupgold.com/support/index.aspx>).

- **Release Notes.** The release notes provide an overview of changes, known issues, and bug fixes for the current release. The release notes are available on the *WhatsUp Gold web site* (<http://www.whatsupgold.com/IPAM1relnotes>).
- **Application Help.** The console help contains dialog assistance, general configuration information, how-to's that explain how to use IP Address Manager's features. The Table of Contents is organized by functional area, and can be accessed from the main menu or by clicking **Help** in IP Address Manager dialogs.
- **Additional WhatsUp Gold resources.** For a listing of current and previous guides and help available for WhatsUp Gold products, see the *WhatsUp Gold web site* (<http://www.whatsupgold.com/support/guides.aspx>).
- **Licensing Information.** Licensing and support information is available on the *MyIpswitch licensing portal* (<http://www.myipswitch.com/>). The web portal provides enhanced web-based capabilities to view and manage Ipswitch product licenses.
- **Technical Support.** Use the WhatsUp Gold Support Site for a variety of WhatsUp Gold product help resources. From here you can view product documentation, search Knowledge Base articles, access the community site for help from other users, and get other Technical Support information. The Support Site is available on the *WhatsUp Gold web site* (<http://www.whatsupgold.com/support/index.aspx>).

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