How to Perform User Delegation in SolarWinds® IP Address Manager™
SolarWinds IP Address Manager (IPAM) offers robust and powerful IP address, DHCP server management, and DNS monitoring from a centralized web console. IPAM leverages an intuitive point-and-click web interface that allows you to easily investigate IP address space issues. By scanning the network for IP address changes, IPAM maintains a dynamic list of IP addresses and allows engineers to plan for network growth and ensure IP space usage. In turn, meeting corporate standards and reducing IP conflicts.

How to Perform User Delegation in SolarWinds IPAM

SolarWinds IPAM software allows you to define and use role definitions to restrict user access, so you can maintain security without limiting your ability to delegate required network management activities. You can define access roles per subnet, group, supernet, DHCP scope, or even individual IP addresses. User delegation defines the visibility of subnets and supernets and the choice of actions that can be performed.

Modifying User Role Definitions

SolarWinds IPAM has various levels of access privileges to be assigned to different users based on their operational limitations and access controls on IP address management within the organization.

Step 1: To access and modify these, click Settings on the right top corner of the IPAM web console.

This will open the Orion® Website Administration page. Click on Manage Accounts under the Accounts section.

Orion Website Administration

Step 2: The Manage Accounts page will show all the IPAM user logins that are created within your organization. Now, select the login that you want to change access control to and click Edit.
**Editing Access Control for User Login in SolarWinds IPAM**

**Step 3:** On the **Edit Account** page, expand the **IP Address Manager Settings** which will then give you the option to select from various **IPAM Roles & Permissions** for the selected user login.

If you want to customize the settings for any of the user login levels, select **Custom** and click **Edit**

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**Editing IPAM Roles and Permissions in SolarWinds IPAM**

**Step 4:** This will open the **Edit Custom IPAM Roles & Permissions** page where you can modify the user control for each and every subnet and DHCP scope. Next, select a subnet and click from any of the four options below to limit the subnet or DHCP scope to only the required user login.

- **Power User** – Read/Write and Initiate Scans
- **Operator** – Read/Write Access
- **Read Only** – Read Only Access
- **Hide Access** – Restrict All Access

This will limit the subnet and DHCP scopes to be accessible to and controllable by only the selected user logins. After making role definition changes, click **Submit**.
**Note:** By default, Parent roles are inherited by child objects, unless custom roles have been defined.

![Edit custom IPAM roles and permissions for 'Admin'](image)

**Modifying User Login Roles and Permissions in SolarWinds IPAM**

**IPAM Navigation Summary for Modifying User Role Definition**

IPAM Settings >> Accounts >> Manage Accounts >> "Select User Login" >> Edit >> IP Address Manager Settings >> Custom >> Edit >> "Modify User Roles & Permissions" >> Submit.

The table below details the various access control levels and access permissions associated with them.
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<tr>
<th><strong>Read Only</strong></th>
<th><strong>Operator</strong></th>
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| - Read only access to DHCP Servers, Scopes, Leases, Reservations & DNS Servers, Zones, and Records Hide  
- All IPAM web console resources, including search and Top XX resources not previously limited by Orion account limitations  
- All IP address and network component properties and custom fields on the Manage Subnets and IP Addresses page  
- The Chart View on the Manage Subnets and IP Addresses page  

Note: This role restricts all access, including access to all DHCP Management and DNS Monitoring. |
| Operators maintain the same rights granted to Read-Only users with the addition of the following abilities:  
- Addition and deletion of IP address ranges from portions of the network made available by the site administrator  
- Subnet status selection on the Manage Subnets and IP Addresses page  
- IP address property and custom field management, including the ability to edit IP address properties on portions of the network made available by the site administrator |

<table>
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<tr>
<th><strong>Power User</strong></th>
<th><strong>Admin</strong></th>
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| Power Users maintain the same rights granted to Operators with the addition of the following abilities:  
- Drag-and-drop reorganization of network components in the left pane of the Manage Subnets and IP Addresses view  
- Supernet and group properties management, including the ability to edit supernet and group properties and custom fields on portions of the network made available by the site administrator |
| Administrators are granted the same access to IPAM that’s granted to Power Users with the following added privileges:  
- SNMP credentials management  
- Custom fields management  
- Subnet scan settings configuration  
- Directly configure custom roles in the “Subnet Edit” pop-up dialog  
- Read/write access, initiate scans to all subnets, manage credentials, custom fields, and IPAM settings  
- Full access to DHCP management & DNS monitoring |

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<th><strong>Hide</strong></th>
<th><strong>Custom</strong></th>
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| - Restrict ALL access  
- Restrict Access to all DHCP management & DNS Monitoring |
| This role is defined on a per subnet basis. DHCP and DNS access will depend upon the Global account setting for those nodes |

**Setting Account Limitations**
SolarWinds IP Address Manager allows you to define limitations so you can limit the network devices each User Account can view. For example, you could create a limitation for an account that allows viewing for only a single network device, viewing the devices from a specific manufacturer, or those from a specific location or group.

On the **Edit Account** page, click the **Add Limitation** button.

This will open the **Select Limitation Type** page where you can choose and customize the account limitation settings as required.

### Select Limitation Type For Account "Admin"

Select a Limitation Type for this Account. Limitations are used to limit the Network Devices each Account can view. For example: You could easily create a Limitation for an Account to only view a single Network Device. Or, you could limit this Account to only viewing Cisco devices. Or... only view Network Devices with a System Location of "Building B".

- Single Network Node
- Group of Nodes
- Node Name Pattern
- System Name Pattern
- Group of Machine Types
- Machine Type Pattern
- Hardware Manufacturer
- Device Status
- System Location
- System Location Pattern
- System Contact
- System Contact Pattern
- Single Machine Type
- Single Hardware Manufacturer
- IP Address Pattern
- Group of Volumes
- Single Group
- Group of Groups
- Group Name Pattern

[CONTINUE] [CANCEL]

**Modifying Account Limitations in SolarWinds IPAM**
Adding New User Accounts

If you want to add a new User Account, on the Manage Accounts page, click the Add New Account button, and select the type of account to be created. Then enter account information and save settings.

Adding a New User Account in SolarWinds IPAM

Why SolarWinds IP Address Manager?

Eliminate Complexity, Improve Reliability, Save Time and Money!

- **Centralized management & monitoring** for Microsoft® DHCP/DNS, ISC DHCP/DNS & Cisco DHCP servers
- Automatic subnet discovery and **IP address scanning** for the most accurate real-time discovery and verification
- Easily search address for history, op status, MAC, device type, DHCP, DNS properties, and more
- Optional UDT integration shows where an end-point device is connected to the network and who is using the device
- Delegate tasks to network and system administrators based on role
- Detailed event recording to track who made what change
- Supports IPv4 and IPv6 networks
- Alert notifications help prevent your subnets & DHCP scopes from filling up
- Automatically discovers used & unused addresses and typically deploys in less than an hour

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, http://thwack.com, 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.

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