

How to Configure Alerts on SolarWinds IP Address Manager 4.3

Why is IP address alerting important?

A typical network comprises multiple network devices, servers, and user devices, which all need an IP address to function. With the number of devices increasing from tens to hundreds to thousands, administrators need to adopt a more proactive approach to monitoring and fixing network issues. Alerting plays a key role in reducing network downtime caused by IP-related issues. Administrators use alerts to proactively manage their IP address space. They do this by creating alerts triggered by specific conditions that can be sent via email or text message, saved as log files, and more. Quick-view dashboards that display relevant and real-time information also help admins quickly identify and troubleshoot IP issues.

Key benefits of using alerts

Alerts help reduce network downtime by notifying you of issues before they become real problems. Sometimes easily identifiable IP-related problems can cause network issues. Having access to timely alerts and relevant real-time information helps you avoid issues caused by:

- Duplicate IP addresses.
- IP address status changes not updated to DHCP and DNS servers.
- DHCP scope overlaps.
- Over- or under-provisioning IP addresses and DHCP scope and split scope address depletion.
- Errors created during DNS record creation.

The complexity of today's networks requires tools that help spot IP-related problems. SolarWinds® IP Address Manager (IPAM) provides you with the flexibility to monitor the following:

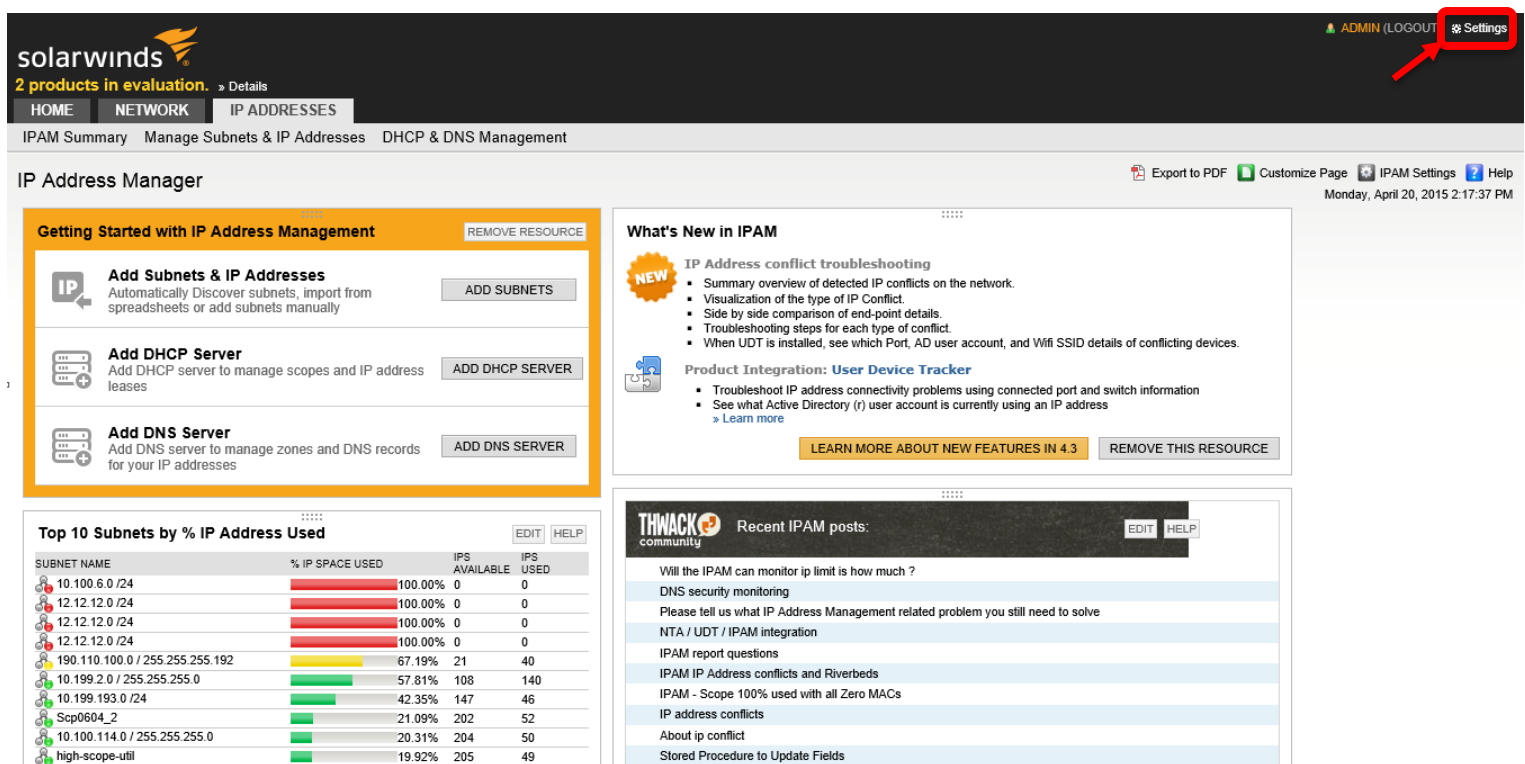
1. IP conflicts.
2. DHCP subnets and scopes for IP address pool depletion.
3. DNS forward and reverse record mismatches.
4. IPAM configuration change events.

The following steps help you quickly configure and set alerts in IPAM.

Configuring alerts in IPAM

IPAM provides you with the flexibility to create alerts through an easy-to-use Web interface. The following sections provide step-by-step instructions for configuring alerts.

To begin the configuration process, click the Settings link at the top right corner of the IPAM Web interface. This opens the Settings page. Under the Alerts and Reports section, click Manage Alerts.



The screenshot shows the SolarWinds IPAM web interface. In the top right corner, the 'Settings' link is highlighted with a red box and a red arrow. The interface includes a navigation bar with links for HOME, NETWORK, and IP ADDRESSES. Below the navigation bar, there are sections for 'Getting Started with IP Address Management' and 'What's New in IPAM'. The 'Getting Started' section includes links to 'Add Subnets & IP Addresses', 'Add DHCP Server', and 'Add DNS Server'. The 'What's New' section includes a 'NEW' badge and a link to 'Learn more about new features in 4.3'. Below these sections, there is a table titled 'Top 10 Subnets by % IP Address Used' and a section for 'Recent IPAM posts'.

SUBNET NAME	% IP SPACE USED	IPS AVAILABLE	IPS USED
10.100.6.0 /24	100.00%	0	0
12.12.12.0 /24	100.00%	0	0
12.12.12.0 /24	100.00%	0	0
12.12.12.0 /24	100.00%	0	0
190.110.100.0 / 255.255.255.192	67.19%	21	40
10.199.2.0 / 255.255.255.0	57.81%	108	140
10.199.193.0 /24	42.35%	147	46
Scp0604_2	21.09%	202	52
10.100.114.0 / 255.255.255.0	20.31%	204	50
high-scope-util	19.92%	205	49

Main Settings & Administration

Getting Started with Orion
Discover your network and add the objects you want to monitor in Orion.

- Discovery Central
- Network Sonar Discovery
- Add a Node
- Add a Transaction Monitor

Node & Group Management
Manage and delete nodes, dependencies and groups. Edit node properties.

- Manage Nodes
- Manage Virtual Devices
- Manage Dependencies
- Manage Agents
- Manage Groups
- Manage Custom Properties
- Add Discovered Scopes
- Manage Orphaned IPs
- Manage Subnets & IPs
- Manage DHCP Servers
- Manage Scopes
- Manage World Map
- Manage Pollers
- Manage Hardware Sensors

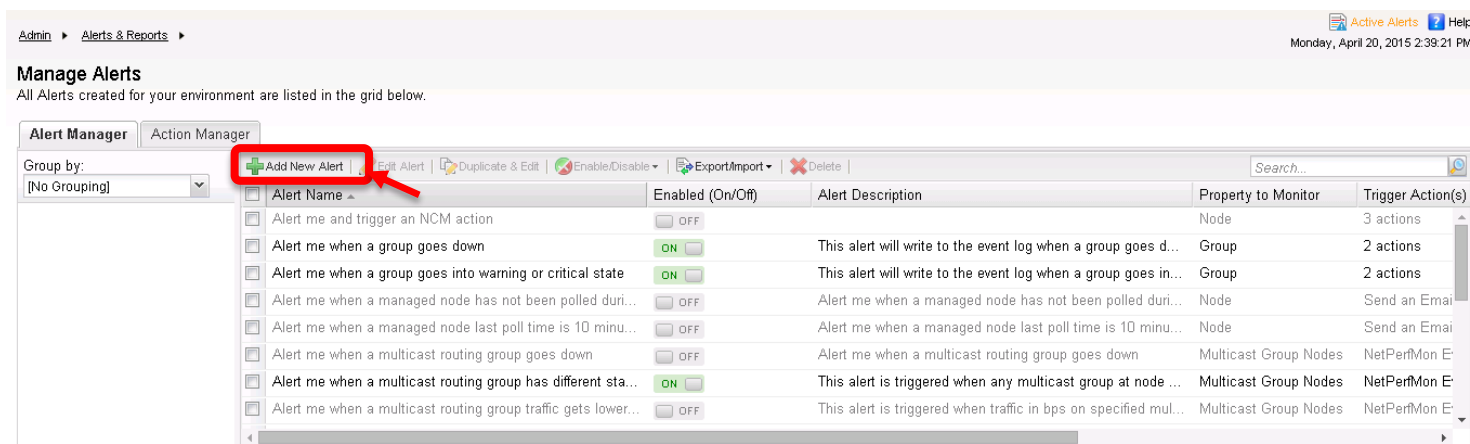
Alerts & Reports
Create new alert / report or edit existing definitions.

- Manage Alerts
- Manage Reports
- Manage SMTP Servers
- Configure Default Alert and Email Action

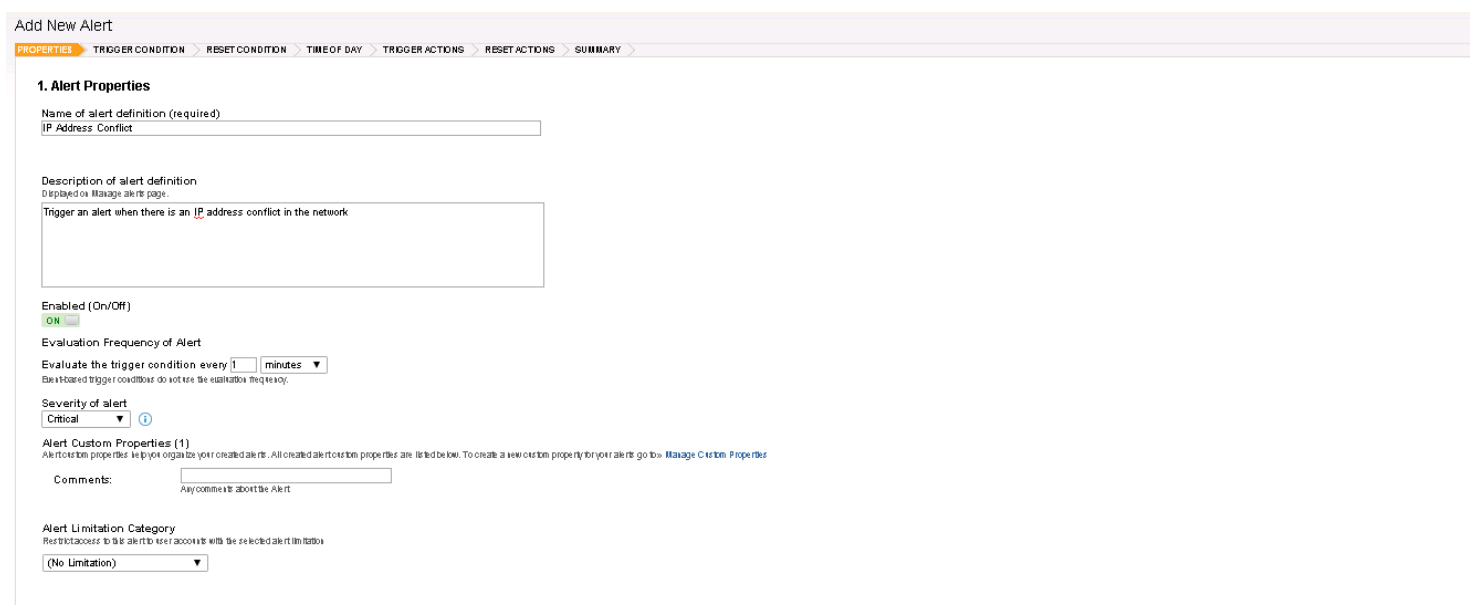
To create an alert

The Add New Alert wizard in IPAM walks you through the process of setting up your choice of customized alerts.

Step 1: Click Add New Alert.



Step 2: Enter alert properties, such as alert name, description, severity, etc. Click Next.



Step 3: List any nested conditions that must be met before the alert is triggered.

Add New Alert - "IP Address Conflict"

PROPERTIES > TRIGGER CONDITION > RESET CONDITION > TIME OF DAY > TRIGGER ACTIONS > RESET ACTIONS > SUMMARY

2. Trigger Condition

Trigger condition is simple condition or set of multiple nested conditions which must be met before the alert is triggered. [Learn more](#)

I want to alert on:
IPAM IPAddress Conflict

The scope of alert: [1](#)

- ☒ All objects in my environment ([Show List](#))
- ☐ Only following set of objects

The actual trigger condition:

Trigger alert when: All child conditions must be satisfied (AND)

- IPAM IPAddress Conflict > Active Conflicts > is equal to > 1

☐ Condition must exist for more than minutes

☐ Advanced options

BACK NEXT CANCEL

Step 4: You can set a reset condition for the alert. Otherwise, choose the option to trigger the alert every time the condition is met.

Add New Alert - "IP Address Conflict"

PROPERTIES > TRIGGER CONDITION > RESET CONDITION > TIME OF DAY > TRIGGER ACTIONS > RESET ACTIONS > SUMMARY

3. Reset Condition

When the reset condition is met the alert is removed from active alerts. [Learn more](#)

- ☒ Reset this alert when trigger condition is no longer true (Recommended)
- ☐ Reset this alert automatically after minutes
- ☐ No reset condition - Trigger this alert each time the trigger condition is met
- ☐ No reset condition
- ☐ Create a special reset condition for this alert

BACK NEXT CANCEL

Step 5: Set the time for the alerts to be active.

Add New Alert - "IP Address Conflict"

PROPERTIES > TRIGGER CONDITION > RESET CONDITION > TIME OF DAY > TRIGGER ACTIONS > RESET ACTIONS > SUMMARY

4. Time of Day

Time of Day controls when specified network objects should be monitored. This helps to avoid unwanted alerting noise during the expected outage or maintenance of your network. (e.g. Your server reboot time is scheduled every Friday at 11:00 PM). [Learn more about Time of Day usage](#)

- ☒ Alert is always enabled, no schedule needed
- ☐ Specify time of day schedule for this alert

BACK NEXT CANCEL

Trigger actions are executed when the trigger conditions are satisfied. For example, the trigger action for an IP conflict alert would be to send out an email alert when the trigger condition of detecting duplicate IP addresses is 'True'.

Add New Alert - "IP Address Conflict"

PROPERTIES > TRIGGER CONDITION > RESET CONDITION > TIME OF DAY > **TRIGGER ACTIONS** > RESET ACTIONS > SUMMARY

5. Trigger Action

When the trigger condition is met the following actions in following order will be executed. You can also specify the escalation behavior if the alert is not being acknowledged in certain time.
[*Learn more about Actions and Escalation](#)

Message displayed when this alert is triggered
Displayed on All active alert page/monitor and on Alert table page. This message can be reused also for email action.

Message displayed when this alert is triggered: Insert Variable

Trigger Actions:
 No action added yet... Add Action

Copy Action To Reset Actions Tab

BACK NEXT CANCEL

Step 6: Choose the required action to be executed when the alert is triggered, and click Configuration.

Add Action

Select action you want to execute

Action	Description
Change Custom Property	Changes a Custom Property of Network Object when the Alert is Triggered or Reset
Dial Paging or SMS Service	Send a Page, SMS or Beeping message via NotePage
Email a Web Page	Send an Email message that contains a Web Page
Execute an External Program	Execute a program when the Alert is Triggered or Reset
Execute an External VB Script	Execute a VB Script file when the Alert is Triggered or Reset
Execute an NCM action	Backup running config, execute config script and show last config changes
Log the Alert to a File	Logs the Alert to a text file
Log the Alert to the NetPerfMon Event Log	Log the Alert in the Network Performance Monitor Event Log
Play a Sound	Play a Sound when an Alert is Triggered or Reset
Send Net Message	Send a Windows Net Message
Send SNMP Trap	Send SNMP Trap when the Alert is Triggered or Reset
Send a GET or POST Request to a Web Server	Interface with other applications via HTTP GET or POST
Send a Syslog Message	Send a Syslog Message when Alert is Triggered or Reset.
Send an Email/Page	Send an E-Mail message via an SMTP Server
Set Custom Status	Set a Custom Status for a Node Object (advanced)
Text to Speech Output	Speak a phrase using Text-to-Speech when an Alert is Triggered or Reset
Windows Event Log	Log an entry in the Windows Event log

CONFIGURE ACTION CANCEL

Step 7: Configure the alert action and include other execution settings as mentioned below, and click Add Action.

Configure action: Log the Alert to a File

Name of action

IP Conflict Log

Log to File Settings

Alert Log Filename

$\{N=Generic;M=DateTime;F=DateTime\}$

Insert Variable

For example, c:\log\file.txt where c:\ is the disk on your machine or a poller.

File Size

5

MB

Maximum file size (in megabytes, 0 = unlimited)

Message

An IP conflict has been detected

Insert Variable

Time of Day...

Execution settings

ADD ACTION

CANCEL

This completes the Trigger Actions step in the Add New Alerts Wizard.

Add New Alert - "IP Address Conflict"

PROPERTIES

TRIGGER CONDITION

RESET CONDITION

TIME OF DAY

TRIGGER ACTIONS

RESET ACTIONS

SUMMARY

5. Trigger Action

When the trigger condition is met the following actions in following order will be executed. You can also specify the escalation behavior if the alert is not being acknowledged in certain time.

Learn more about Actions and Escalation

Message displayed when this alert is triggered

Displayed on All active alert page/resource and on Alert details page. This message can be used also for email action.

$\{N=Alerting;M=AlertName\}$ was triggered.

Insert Variable

Trigger Actions:

Escalation Level 1 (When the alert is triggered, all actions in this level fire.)

ACTION TITLE

EDIT

COPY

SIMULATE

DELETE

IP Conflict Log

Add Action




Add Escalation Level

Copy/Action To Reset Action Tab

BAC

NEXT

CANCEL

Share:   

7

If there is a reset condition specified earlier, the reset actions are specified here.

Add New Alert - "IP Address Conflict"

PROPERTIES > TRIGGER CONDITION > RESET CONDITION > TIME OF DAY > TRIGGER ACTIONS > **RESET ACTIONS** > SUMMARY

6. Reset Action

When reset condition of the alert is met the following actions and in following order will be executed...

No action added yet...

[Add Action](#)

[Copy Action From Trigger Actions Tab](#)

BACK **NEXT** CANCEL

Finally, review the specified details in the Summary view, and click Submit.

Add New Alert

PROPERTIES > TRIGGER CONDITION > RESET CONDITION > TIME OF DAY > TRIGGER ACTIONS > RESET ACTIONS > **SUMMARY**

7. Summary of Alert Configuration

Please review the alert configuration before saving...

Name of alert: **IP Address Conflict** [Edit](#)

Description of alert:
Trigger an alert when there is an IP address conflict in the network

Type of Property to monitor
IPAM IPAddress Conflict

Enabled(On/Off):
ON

Evaluation Frequency of alert:
Every minute

Severity of alert:
Critical

Alert Custom Properties: (1)
Comments:

Alert Limitation Category
No Limitation

Trigger Condition: [Edit](#)
The actual trigger condition:
IPAM IPAddress Conflict - Active Conflicts - is equal to - 1

Reset Condition: [Edit](#)
Never

Time of Day schedule: [Edit](#)
Alert is always enabled

Trigger Action: [Edit](#)
Escalation Level 1
1. [IP Conflict Log](#)

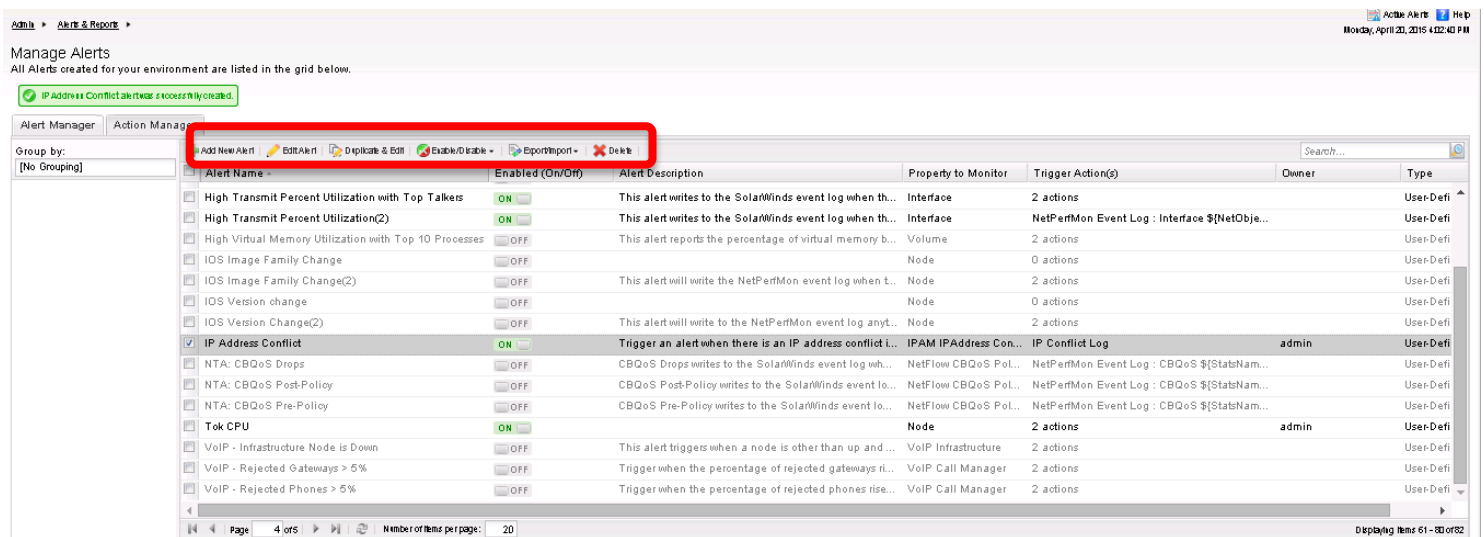
Reset Action: [Edit](#)
No reset action specified

☐ Alert Integration

This alert could be immediate; triggered on 0 object(s) in alert scope. If the behavior is unexpected, try to adjust the trigger condition.

BACK **SUBMIT** CANCEL

You have successfully created your network's sample alert for IP conflict notification. You can easily create, edit, duplicate, enable, disable, export, import, and delete alerts from the Manage Alerts view.



Manage Alerts

All Alerts created for your environment are listed in the grid below.

IP Address Conflict alert successfully created.

Alert Manager | Action Manager

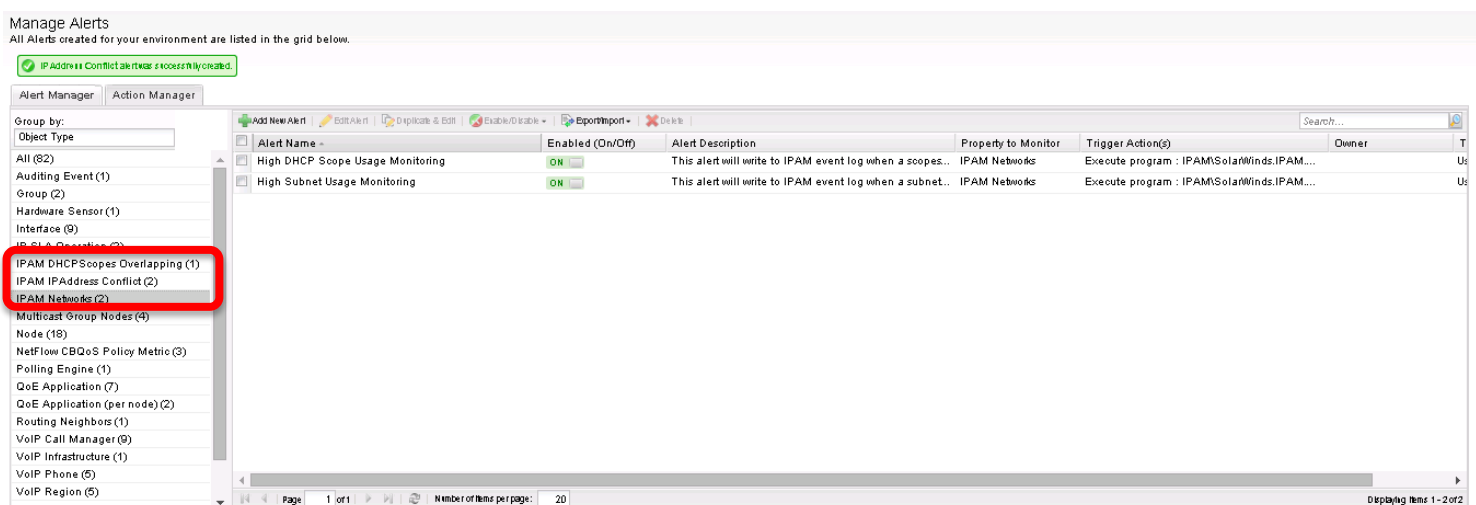
Group by: [No Grouping]

Alert Name	Enabled (On/Off)	Alert Description	Property to Monitor	Trigger Action(s)	Owner	Type
High Transmit Percent Utilization with Top Talkers	ON	This alert writes to the SolarWinds event log when th...	Interface	2 actions		User-Defi
High Transmit Percent Utilization(2)	ON	This alert writes to the SolarWinds event log when th...	Interface	NetPerfMon Event Log : Interface \${NetObj...		User-Defi
High Virtual Memory Utilization with Top 10 Processes	OFF	This alert reports the percentage of virtual memory b...	Volume	2 actions		User-Defi
IOS Image Family Change	OFF		Node	0 actions		User-Defi
IOS Image Family Change(2)	OFF	This alert will write the NetPerfMon event log when t...	Node	2 actions		User-Defi
IOS Version change	OFF		Node	0 actions		User-Defi
IOS Version Change(2)	OFF	This alert will write to the NetPerfMon event log anyt...	Node	2 actions		User-Defi
IP Address Conflict	ON	Trigger an alert when there is an IP address conflict i...	IPAM IPAddress Con...	IP Conflict Log	admin	User-Defi
NTA: CBQoS Drops	OFF	CBQoS Drops writes to the SolarWinds event log wh...	NetFlow CBQoS Pol...	NetPerfMon Event Log : CBQoS \${StatsNam...		User-Defi
NTA: CBQoS Post-Policy	OFF	CBQoS Post-Policy writes to the SolarWinds event lo...	NetFlow CBQoS Pol...	NetPerfMon Event Log : CBQoS \${StatsNam...		User-Defi
NTA: CBQoS Pre-Policy	OFF	CBQoS Pre-Policy writes to the SolarWinds event lo...	NetFlow CBQoS Pol...	NetPerfMon Event Log : CBQoS \${StatsNam...		User-Defi
Tok CPU	ON		Node	2 actions	admin	User-Defi
VoIP - Infrastructure Node is Down	OFF	This alert triggers when a node is other than up and ...	VoIP Infrastructure	2 actions		User-Defi
VoIP - Rejected Gateways > 5%	OFF	Trigger when the percentage of rejected gateways ri...	VoIP Call Manager	2 actions		User-Defi
VoIP - Rejected Phones > 5%	OFF	Trigger when the percentage of rejected phones rise...	VoIP Call Manager	2 actions		User-Defi

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For easy viewing and manageability, group alerts by object type, trigger actions, owner, etc. Some of the default alerts available for IP address management are:

- DHCP scopes overlapping with existing IP addresses.
- IP conflicts in the network.
- High DHCP scope utilization monitoring.
- High subnet utilization monitoring.



Manage Alerts

All Alerts created for your environment are listed in the grid below.

IP Address Conflict alert successfully created.

Alert Manager | Action Manager

Group by: Object Type

Object Type: [All (82)]

Group (2):

- Hardware Sensor (1)
- Interface (9)
- IP SLA (2)
- IPAM DHCP Scopes Overlapping (1)
- IPAM IPAddress Conflict (2)
- IPAM Networks (2)
- Multicast Group Nodes (4)
- Node (18)
- NetFlow CBQoS Policy Metric (3)
- Polling Engine (1)
- QoS Application (7)
- QoS Application (per node) (2)
- Routing Neighbors (1)
- VoIP Call Manager (9)
- VoIP Infrastructure (1)
- VoIP Phone (5)
- VoIP Region (5)
- Volume (2)

Alert Name	Enabled (On/Off)	Alert Description	Property to Monitor	Trigger Action(s)	Owner	Type
High DHCP Scope Usage Monitoring	ON	This alert will write to IPAM event log when a scopes...	IPAM Networks	Execute program : IPAMSolarWinds.IPAM...		User-Defi
High Subnet Usage Monitoring	ON	This alert will write to IPAM event log when a subnet...	IPAM Networks	Execute program : IPAMSolarWinds.IPAM...		User-Defi

Page: 1 of 1 | Number of items per page: 20 | Displaying items 1 - 2 of 2

The Action Manager tab allows you to manage the actions that have been created for various alerts.

Alert Manager **Action Manager**

Manage Actions
The action manager is primarily used to modify multiple alert actions at once. Each alert action that is added to the system is listed below. Add more alert actions using the Add/Edit Alert Wizard.

Action Name	Enabled (On/Off)	Action on Alert	Action Type	Assigned Alert	Time of Day Schedule	Environment
AlertLog	ON	WriteToFile	Trigger Action	Tok CPU	Controlled on the alert le...	Alerting
Email a Web Page (High Receive Percent Utilizatio...	ON	EmailWebPage	Trigger Action	High Receive Percent Utilization with Top Talkers	Controlled on the alert le...	Alerting
Email a Web Page (High Transmit Percent Utilizatio...	ON	EmailWebPage	Trigger Action	High Transmit Percent Utilization with Top Talkers	Controlled on the alert le...	Alerting
Execute an NCM action	ON	NonAlertAction	Trigger Action	Alert me and trigger an NCM action	Controlled on the alert le...	Alerting
Execute an NCM action	ON	NonAlertAction	Trigger Action	Alert me and trigger an NCM action	Controlled on the alert le...	Alerting
Execute program : APM\SolarWinds.APM.RealTime...	ON	ExecuteExternalProgram	Trigger Action	High CPU Utilization with Top 10 Processes	Controlled on the alert le...	Alerting
Execute program : APM\SolarWinds.APM.RealTime...	ON	ExecuteExternalProgram	Trigger Action	High Virtual Memory Utilization with Top 10 Processes	Controlled on the alert le...	Alerting
Execute program : APM\SolarWinds.APM.RealTime...	ON	ExecuteExternalProgram	Trigger Action	High Physical Memory Utilization with Top 10 Proce...	Controlled on the alert le...	Alerting
Execute program : IPAM\SolarWinds.IPAM.EventLo...	ON	ExecuteExternalProgram	Trigger Action	Alert me when DHCP Scopes Overlap with an existin...	Controlled on the alert le...	Alerting
Execute program : IPAM\SolarWinds.IPAM.EventLo...	ON	ExecuteExternalProgram	Reset Action	High DHCP Scope Usage Monitoring	Controlled on the alert le...	Alerting
Execute program : IPAM\SolarWinds.IPAM.EventLo...	ON	ExecuteExternalProgram	Trigger Action	High DHCP Scope Usage Monitoring	Controlled on the alert le...	Alerting
Execute program : IPAM\SolarWinds.IPAM.EventLo...	ON	ExecuteExternalProgram	Reset Action	High Subnet Usage Monitoring	Controlled on the alert le...	Alerting
Execute program : IPAM\SolarWinds.IPAM.EventLo...	ON	ExecuteExternalProgram	Trigger Action	High Subnet Usage Monitoring	Controlled on the alert le...	Alerting
Execute program : IPAM\SolarWinds.IPAM.EventLo...	ON	ExecuteExternalProgram	Trigger Action	Alert me when there is a IP Address Conflict based o...	Controlled on the alert le...	Alerting
IP Conflict Log	ON	WriteToFile	Trigger Action	IP Address Conflict	Controlled on the alert le...	Alerting
NetPerfMon Event Log : {AuditEventMessage}	ON	WriteToNPMEventLog	Trigger Action	Alert me when a node was deleted	Controlled on the alert le...	Alerting
NetPerfMon Event Log : {N=SwisEntity;M=DHCPCo...	ON	WriteToNPMEventLog	Trigger Action	Alert me when DHCP Scopes Overlap with an existin...	Controlled on the alert le...	Alerting

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Specify custom SQL and SWQL alerts in the trigger condition for creating advanced alerts. Use IPAM to create alerts and be notified before things go wrong. Integration with SolarWinds® User Device Tracker (UDT) gives you even more options to set alerts on users and devices on the network.

The Summary page displays all alerts and events.

Getting Started with IP Address Manager

Add Subnets & IP Addresses
Discover subnets, import from spreadsheets or add subnets manually

Add DHCP Server
Add DHCP server to manage scopes and IP address leases

Add DNS Server
Add DNS server to manage zones and DNS records for your IP addresses

Top 10 Subnets with Transient Addresses

SUBNET NAME	% IP SPACE USED	IPS AVAILABLE	IPS USED
10.199.24.0	100.00%	0	0
10.199.1.0	71.88%	72	94
10.199.10.0	64.06%	92	160
10.199.6.0	61.72%	98	133
10.199.16.0	44.53%	142	107
10.199.25.0	43.75%	144	99
10.199.20.0	30.08%	179	56
10.199.5.0	27.34%	186	1
10.199.8.0	24.22%	97	24

DNS Records Mismatch

DNS SERVER	DNS ZONE	CLIENT HOST NAME	IP IN FWD ZONE	IP IN REV ZONE
10.199.1.1	10.199.1.1	10.199.1.1	10.199.1.1	10.199.1.1
10.199.1.1	10.199.1.1	10.199.1.1	10.199.1.1	10.199.1.1
10.199.1.1	10.199.1.1	10.199.1.1	10.199.1.1	10.199.1.1
10.199.1.1	10.199.1.1	10.199.1.1	10.199.1.1	10.199.1.1
10.199.1.1	10.199.1.1	10.199.1.1	10.199.1.1	10.199.1.1

IPAM Reports

IPAM - All available IP Addresses
IPAM - All reserved IP Addresses
IPAM - All used IP Addresses
IPAM - All Subnets
IPAM Last 250 Events

Top 10 DHCP Scopes by Utilization with Split Scopes

SCOPE NAME	PERCENT IPS USED	SCOPE IPS USED / AVAILABLE	SUBNET IPS USED / AVAILABLE	SCOPE IN SUBNET
10.199.10.0 / 255.255.255.0	100.00%	2 / 0	2 / 0	1

Top 10 Subnets by % IP Address Used

SUBNET NAME	% IP SPACE USED	IPS AVAILABLE	IPS USED
192.168.0.0	100.00%	0	251
10.10.100.0	100.00%	0	2
10.199.24.0	100.00%	0	0
10.199.10.0	100.00%	0	253
10.199.1.0	100.00%	0	117
10.199.6.0	71.88%	72	94
10.199.16.0	64.06%	92	160
10.199.25.0	61.72%	98	133
10.199.20.0	54.30%	117	135
10.199.5.0	50.00%	2	0

VolP Subnets by % IP Address Used

SUBNET NAME	% IP SPACE USED	IPS AVAILABLE	IPS USED
10.110.44.0	11.33%	227	27
10.3.3.0	6.25%	240	4

Last 25 IPAM Events

TIME	EVENT
8/7/2014 3:38 AM	QUEST The subnet '10.199.15.0 (10.199.16.0/24)' fields have been changed: Display Name to '10.199.16.0'
8/7/2014 3:37 AM	QUEST The subnet '10.199.15.0 (10.199.16.0/24)' fields have been changed: Display Name to '10.199.15.0'
8/7/2014 3:33 AM	QUEST The subnet '10.199.8.0 (10.199.7.0/24)' fields have been changed: Display Name to '10.199.8.0'
8/7/2014 3:30 AM	QUEST The subnet '10.199.8.0 (10.199.7.0/24)' fields have been changed: Display Name to '10.199.8.0'
8/7/2014 3:29 AM	QUEST The subnet '10.199.7.0 (10.199.7.0/24)' fields have been changed: Display Name to '10.199.7.0'
8/7/2014 3:26 AM	QUEST The subnet '192.168.0.0 (192.168.0.0/24)' fields have been changed: Display Name to '192.168.1.0'
8/6/2014 6:33 AM	QUEST The SNMP Credential 'New Credential_3' has been added
8/5/2014 8:16 AM	QUEST The subnet '10.199.7.0 (10.199.7.0/24)' fields have been changed: Comments to 'Austin, Texas, NeighborhoodInterval'
8/5/2014 6:31 AM	QUEST The subnet '10.199.5.0 (10.199.5.0/25)' fields have been changed: Mask to '255.255.255.0', CIDR to '24'
8/5/2014 6:30 AM	QUEST The subnet '10.199.5.0 (10.199.5.0/25)' fields have been changed: Mask to '255.255.255.128', CIDR to '25'
8/5/2014 6:20 AM	QUEST The IP '10.199.8.255' has been retrieved

Top 10 DHCP Scopes by Utilization

SCOPE NAME	% IP SPACE USED	IPS AVAILABLE	IPS USED
10.199.10.0 / 255.255.255.0	100.00%	0	2
10.199.10.0 / 255.255.255.0	100.00%	0	253
10.199.10.0 / 255.255.255.0	80.00%	4	15
10.199.10.0 / 255.255.255.0	50.00%	3	3
10.199.10.0 / 255.255.255.0	44.44%	24	17
10.199.10.0 / 255.255.255.0	40.00%	30	20
10.199.10.0 / 255.255.255.0	40.00%	30	20
10.199.10.0 / 255.255.255.0	22.00%	76	16
10.199.10.0 / 255.255.255.0	21.51%	73	16
10.199.10.0 / 255.255.255.0	21.43%	77	17

Top 5 reasons to use SolarWinds IPAM

- **Efficiently manage IPv4 and IPv6** address spaces together.
- **Ability to automatic propagate all DHCP and DNS changes** made via IPAM to the ISC DHCP and BIND servers.
- **Integrated monitoring and management of** your Microsoft®, Cisco®, and ISC DHCP as well as Microsoft and BIND DNS servers.
- **Active monitoring and preventive alerting** when a subnet nears full utilization, or if there are IP conflicts in the network.
- **Ability to delegate IP management tasks** with team and role-based permissioned access.

Seamlessly integrate SolarWinds IPAM into your existing DHCP and DNS environments quickly and easily in about 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.

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



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