

SolarWinds Orion

Enterprise Operations

Console Administrator Guide

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SolarWinds, Inc develops and markets an array of network management, monitoring, and discovery tools to meet the diverse requirements of today's network management and consulting professionals. SolarWinds products continue to set benchmarks for quality and performance and have positioned the company as the leader in network management and discovery technology. The SolarWinds customer base includes over 45 percent of the Fortune 500 and customers from over 90 countries. Our global business partner distributor network exceeds 100 distributors and resellers.

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Team	Contact Information
Sales	1.866.530.8100 http://www.solarwinds.com/
Technical Support	http://www.solarwinds.com/support (you need a customer account to access the Customer Support area of the website.)
User Forums	http://www.thwack.com/

Conventions

The documentation uses consistent conventions to help you identify items throughout the printed and online library.

Convention	Specifying
Bold	Window items, including buttons and fields
<i>Italics</i>	Book and CD titles, variable names, new terms
Fixed font	File and directory names, commands and code examples, text typed by you
Straight brackets, as in [value]	Optional command parameters
Curly braces, as in {value}	Required command parameters
Logical OR, as in value1 value2	Exclusive command parameters where only one of the options can be specified

SolarWinds Enterprise Operations Console Documentation Library

The following documents are included in the SolarWinds Enterprise Operations Console documentation library:

Document	Purpose
Administrator Guide	Provides detailed setup, configuration, and conceptual information.
Page Help	Provides help for every window in the Enterprise Operations Console user interface.
Release Notes	Provides late-breaking information, known issues, and updates. The latest Release Notes can be found at http://www.solarwinds.com .

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Chapter 1

Introduction

SolarWinds Orion Enterprise Operations Console (Orion EOC) collects network performance data from an installed base of SolarWinds Orion Network Performance Monitor (Orion NPM) servers, and summarizes this data into a composite, centralized network performance view.

Why Install EOC

Orion EOC offers network engineers a single consolidated command center to monitor their entire enterprise network using remote Orion NPM deployments.

Network engineers responsible for monitoring enterprise-wide network performance for the company need to proactively maintain network stability and instantly respond to any network issues, even if those issues occur at remote locations.

Point-and-Click Setup

After deploying Orion NPM servers across your network in remote locations, Orion EOC can be installed and configured in a matter of minutes. Unlike complex enterprise management solutions, Orion EOC deployment requires no consultants.

WAN-Optimized Architecture

Enable network growth by monitoring several-hundred-thousand-element networks using dozens of remote Orion NPM server deployments running simultaneously without affecting WAN performance.

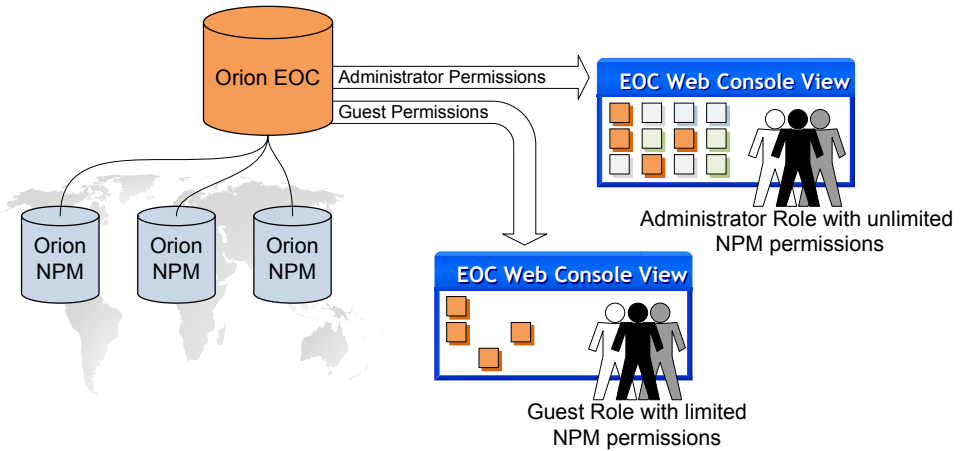
In this manner, Orion EOC ensures that network resources are correctly utilized to optimally deliver business services across enterprise-wide, geographically-distributed networks.

How Orion EOC Works

Orion EOC aggregates the current status of your Orion NPM servers and presents this data in the Orion EOC Web Console. Administrators can restrict what Orion NPM data each Orion EOC user is permitted to see. These restrictions can be set on an individual basis by customizing user settings and on a group basis by defining roles.

Some example restrictions include the following:

- Restricting non-administrator roles from viewing Netflow data.
- Limiting the network nodes and events that users with restricted Orion NPM access can see to only those allowed by their Orion NPM account limitations.



Chapter 2

Installing Orion EOC

Install Orion EOC on a server that meets or exceeds the minimum requirements.

If you will use Orion EOC to poll Orion NPM v8.5.1 servers, you must install the SolarWinds Orion Information Service on them. For more information, see [Installing SolarWinds Orion Information Service](#) on page 5.

Requirements

The following table provides the minimum requirements for an Orion EOC installation:

Software/Hardware	Requirements
Operating System	32-bit or 64-bit Microsoft Windows Server 2003 or Windows Server 2008. Internet Information Service 6.0 or later
.NET Framework	Version 3.5 or later
CPU Speed	3.0 GHz
Memory	2 GB
Hard Drive Space	100 MB
Database	Microsoft SQL Server 2005 or SQL Server 2008. Express, Standard, or Enterprise
Ports	Orion Information Service Protocol uses port 17777/tcp

Port and Firewall Information

Orion EOC communicates with Orion NPM servers through the SolarWinds Orion Information Service protocol over TCP port 17777. Any firewalls between Orion EOC and Orion NPM servers must have TCP port 17777 open to both inbound and outbound traffic.

Installing Orion EOC

Orion EOC is installed on your web server, providing a Web Console and collection service that polls data from your Orion NPM servers.

Note: Do not install Orion EOC on the same server as an existing deployment of Orion NPM if the server has Windows 2003 64-bit Edition as its operating system.

To install Orion EOC:

1. Log on with an administrator account to the server on which you want to install Orion EOC.
2. Run the `SolarWinds-Orion-EOC-v1.1.exe` installer program.
3. **If you are installing on your Orion NPM server**, click **Orion Enterprise Operations Console**, and then click **Install**.
4. Accept the terms in the License Agreement, and then continue to follow the instructions given to you in the installer.

Configuring Orion EOC

After you install Orion EOC, the Configuration Wizard starts automatically.

To configure Orion EOC:

1. Click **Next** to proceed.
2. Specify the SQL Server instance you want to use to store Orion EOC data and any required credentials to log onto the instance, and then click **Next**.

An example SQL Server instance name is:

```
(local)\SQLEXPRESS
```

3. Create a new database named `EOC`, and then click **Next**.
4. Select or create a SQL Server account to access the database, and then click **Next**.
5. **If you want to deploy the Orion EOC web console as a new website**, click **Create a new website**, type the IP address and port, and then click **Next**.

Note: If you are installing Orion EOC on the same server as Orion NPM, you must choose a different port than the one assigned to the Orion NPM Web Console.

6. **If you want to deploy the Orion EOC web console as a virtual directory within an existing website**, complete the following procedure:
 - a. Click **Create a virtual directory**.
 - b. From the **Existing Website** list, select the website.
 - c. In the **Virtual Directory Name** box, enter the name of the virtual directory.
 - d. Click **Next**

Note: You may not deploy the Orion EOC web console as a virtual directory within an existing Orion NPM website.
7. Specify a Windows account to use as an Orion EOC administrator, and then click **Next**.
8. Review the configuration summary, and then click **Next**.
9. After the configuration has finished, click **Finish**.

Installing SolarWinds Orion Information Service

The SolarWinds Orion Information Service (SWOIS) allows Orion NPM 8.5.1 servers to communicate with Orion EOC.

SWOIS is built into Orion NPM versions 9 and later, and you do not need to install SWOIS on those servers.

To install the SolarWinds Orion Information Service on Orion NPM 8.5.1:

1. Log on to the Orion NPM 8.5.1 server.
2. **If you downloaded the product from the SolarWinds website**, navigate to your download location and run the `SolarWinds-Orion-EOC-v1.1.exe` installer program.
3. **If you received physical media**, browse to and then run the installer program.
4. Click **Orion Information Service**, and then click **Install**.
5. Accept the terms in the License Agreement, and then complete the installation wizard.

Chapter 3

Administering the Orion EOC Web Console

The web console displays data and event logs collected from the Orion NPM servers. If you are the administrator for Orion EOC, ensure you review the following sections:

- “Logging on for the First Time”
- “Adding Orion NPM Servers”
- “Setting Up User Accounts and Roles”
- “Creating and Managing Views”
- “Customizing Menu Bars”
- “Allowing Users to Personalize Views”
- “Setting EOC Warning and Error Threshold Values”

Logging on for the First Time

Complete the following procedure when initially accessing the Orion EOC web console:

To log on to the Orion EOC Web Console:

1. Log on to Windows using the Administrator account you specified during the configuration process.
2. Open Internet Explorer.
3. Enter `http://ipAddressOrHostName[:port]`, where *ipAddressOrHostName* is the IP address or host name of your EOC server, and *port* is the web server port you specified in the Configuration Wizard.

Notes:

- The first time you run the Orion EOC Web Console, you may experience a long pause after logging on. This pause is a one-time initialization phase and is normal.
- When you are logged on to the Web Console as an administrator, the **Settings** option is available at the top-right of the Orion EOC Web Console. The Settings page presents a wide variety of tools to control the appearance and delivery of information to Orion EOC users.

Adding Orion NPM Servers

The following procedure provides the steps that are required to add Orion NPM servers to Orion EOC.

1. Log on to the Orion EOC Web Console as an administrator.
2. Click **Settings**.
3. Click **Add New Orion Server**.
4. Type a display name for this Orion NPM server in the **Orion Server Name** field.
Note: This name is for display purposes only.
5. Type the IP address or host name of the Orion NPM server in the **IP address or host name** field.
6. Type the Uniform Resource Locator (URL) of the Orion NPM server web console in the **Website URL** field.
7. Type a username and password with sufficient access to the Orion NPM server web console resources you want to monitor in the **Orion server credentials** section.
8. Specify how often you want Orion EOC to poll this Orion NPM server in the **Polling Interval** box. The default interval value is 300 seconds.
9. In the **Enable Server** list, select **Yes, enable this server**.
10. Click **Test Server**.
11. **If the test fails**, correct the error reported in the error message bar, and then click **Test** again.
12. **If the test passes**, click **Add Server**.

Setting Up User Accounts and Roles

You must create an Orion EOC account for each user who needs access to the EOC web console. This allows administrators to control the Orion EOC Views and the Orion NPM data each user is permitted to access.

For each user account, an Orion NPM account must be specified for each Orion NPM server containing data the user wants to access. Specifying the Orion NPM credentials allows Orion EOC to honor Orion NPM account limitations, showing only the data the user is allowed to see.

Administrators can further restrict the Orion NPM data seen by assigning users to a Role. Roles allow administrators to limit the Orion EOC Views available to groups of users.

Adding Orion EOC User Accounts

Orion EOC takes advantage of Windows Active Directory credential security. Users with a Windows credential on a domain accessible by the Orion EOC server can be granted access to the Orion EOC web console. Local accounts can also be granted access.

To find and add Windows accounts to Orion EOC:

1. Log on to the Orion EOC Web Console as an administrator.
2. Click **Settings**.
3. Click **Add Users**.
4. Complete the following procedure to find Windows accounts to add as Orion EOC user accounts:
 - a. Type a portion of the account name in the **User name to Search for** field to narrow the search.
 - b. **If this is an active directory account**, type the domain name to which this account belongs in the **Local Server or Domain Name** field.
 - c. **If this is a local account**, type the local server name in the **Local Server or Domain Name** field.
 - d. Type a user name and password that has access to this domain in the **User Name** and **Password** fields.
 - e. Click **Search**.
5. Click **Select** next to a credential to add the credential to the list of Windows users to be imported.

6. **If you want to remove a Windows credential from the list**, click **X**.
7. When you finish selecting Windows credentials to import, click **Next**.

Managing Orion NPM Credentials

The Orion EOC Web Console enforces Orion NPM account limitations, showing users only data their Orion NPM credentials allow them to see. As an administrator, you can choose to manage the Orion NPM credentials for each user, or you can allow your users to manage their own Orion NPM credentials.

Note: Users without assigned Orion NPM credentials cannot see Orion NPM data in the EOC web console.

To manage Orion NPM credentials for your users:

1. Log on to the Orion EOC Web Console as an administrator.
2. Click **Settings**.
3. Click **Manage Users**.
4. Check the appropriate user, and then click **Edit User**.
5. Click **Admin** in the **Orion Logins** list.
6. For each Orion NPM server you want the user to access, complete the following procedure:
 - a. Click **User is permitted to see data from this Orion server**.
 - b. Type the Orion NPM credential.
 - c. Click **Test**.
7. Click **Update User**.

To allow users to manage their own Orion NPM credentials:

1. Log on to the Orion EOC Web Console as an administrator.
2. Click **Settings**.
3. Click **Manage Users**.
4. Select the check box next to the user, and then click **Edit User**.
5. In the **Orion Logins** list, click **User**.
6. Click **Update User**.

Allowing Automatic Orion NPM Website Logins

If a user clicks on a node or other network resource for further analysis, Orion EOC displays the appropriate page by connecting to the Orion NPM web console hosting the data. Users must log on to the Orion NPM web console with valid credentials, but these credentials can be supplied by two ways:

- Users can manually enter their Orion NPM credentials at the Orion NPM web console login page. This is the default setting.
- Orion EOC can log on to the Orion NPM web console automatically by appending the credential user name and password to the URL.

To allow automatic Orion NPM website logins for all users:

1. Click **Settings**.
2. Click **Web Console Settings** in the Settings groups.
3. Set **Allow Orion auto-login** to **Yes**, and then click **Submit**.

Securing Automatic Logins with HTTPS

Orion EOC does not encrypt the automatic login credentials appended to the URL. It is possible for an attacker to intercept your HTTP requests and obtain Orion NPM credential information.

For this reason, we recommend you only allow automatic website logins if your Orion NPM servers are hosted on secure HTTPS web sites. The HTTPS protocol encrypts the URL string, making it more difficult for an attacker to compromise your security.

Viewing Orion NPM Account Limitations

The Orion EOC web console allows administrators to list, but not change, the Orion NPM account limitations. Orion NPM account limitations are managed through the individual Orion NPM servers.

To list the Orion NPM account limitations:

1. Log on to the Orion EOC Web Console as an administrator.
2. Click **Settings**.
3. Click **View Account Limitations**.
4. Click the grouping method of your choice in the **Group By** list.

Defining and Assigning Roles

Roles limit the Orion EOC web console actions users are allowed to perform by restricting the Orion EOC views they can access. Administrators can assign each user only one role.

Orion EOC contains two pre-defined roles:

Administrator

Users in this role may access the Alerts, Applications, Events, Home, NetFlow, Orion Servers, Reports, SysLog, Top 10, Traps, VoIP, and Wireless views.

Guest

Users in this role may access the Applications, Home, NetFlow, Thwack, Top 10, VoIP, and Wireless views.

To define a new role:

1. Log on to the EOC Web Console as an administrator.
2. Click **Settings**.
3. Click **Add Roles**.
4. Enter a name for this role in the **Role Name** field.
5. Enter a description for this role in the **Role Description** field
6. To specify which menu items this role may access, complete the following procedure:
 - a. *If you want to use an existing menu bar*, click **Use existing bar**, and then select the menu bar from the list.
 - b. *If you want to create a new menu bar*, click **Create new menu bar using view permissions below**, and then check the appropriate menu items.
7. Click **Add Role**.

To assign a role to a user:

1. Log on to the Orion EOC Web Console as an administrator.
2. Click **Settings**.
3. Click **Manage Users**.
4. Check the user, and then click **Edit User**.
5. Select an appropriate role from the **Role** list.
6. Click **Update User**.

Creating and Managing Views

Views are configurable presentations of network information. A view can include maps, charts, summary lists, reports, events, and links to other resources. As an administrator, you can assign views to menu bars, and customize each view. You may also select the charts and device properties that are displayed on each view.

Creating New Views

You can begin customizing the Orion EOC Web Console by creating new views. Complete the following procedure to create a new view.

To create a new view:

1. Log on to the Orion EOC Web Console as an administrator.
2. Click **Settings**.
3. Click **Add New View**.
4. Type a name and description for the view.
5. ***If you want to add the new view to the menu bar***, check **Add to menu bar**, and then select the roles that should have access to the new view.
6. ***If you want to add a resource***, click the **Resources** tab, and then repeat the following steps for each resource you want to add:
 - a. Click the category you want in the **Resource Categories** list.
 - b. Click **Select** next to the appropriate resource.

7. **If you want to change the column layout of your view**, click the **Layout & Preview** tab, and then configure the column layout of your view as follows.
 - a. Click the layout type that you want in the **Predefined Layouts** list.
 - b. Drag the resources to arrange them as you want them to appear in the view.
8. **If you have finished configuring your view**, click **OK, Save Changes**.

Editing Existing Views

You can configure an existing view by completing the following procedure.

To edit an existing view:

1. Log on to the Orion EOC Web Console as an administrator.
2. Click **Settings**.
3. Click **Manage Views**.
4. Check the view you want to edit, and then click **Edit View**.
5. Complete the task as if creating a new view. For more information see “Creating New Views” on page 13.

Customizing Menu Bars

Menu bars are displayed at the top of every page. As an administrator, you can create different menu bar configurations and make them conditional. Users in different roles see different menu bars.

Creating a New Menu Bar

You can create new menu bars using the drag and drop Menu Bar interface. Complete the following procedure to create a new menu bar.

To create a new menu bar:

1. Log on to the Orion EOC Web Console as an administrator.
2. Click **Settings**.
3. Click **Add New Menu Bar**.
4. Type a name for the menu bar in the **Menu Bar Name** field.
5. **If you want to add a menu item**, drag the menu item from the **Available Menu Items** column to the **Menu Bar Preview** column.

Note: You can only drag menu items by the portion of the item that does not contain text. You cannot drag a menu item by its title.

6. *If you want to change the order of menu items*, drag the menu item to a new location in the **Menu Bar Preview** column.
7. *If you want to remove a menu item*, drag the menu item back to the **Available Menu Items** column.
8. *If you want to rename a menu item*, double-click the title of the menu item.
9. Click **Submit**.

Assigning a Menu Bar to a Role

Complete the following procedure to assign a menu bar to a role.

To assign a menu bar to a role:

1. Log on to the Orion EOC Web Console as an administrator.
2. Click **Settings**.
3. Click **Manage Roles**.
4. Check the role, and then click **Edit Role**.
5. Click **Use existing bar**, and then select an appropriate menu bar from the list.
6. Click **Update Role**.

Allowing Users to Personalize Views

Administrators have the ability to allow users to personalize their views. These personalizations include filtering nodes and adding, deleting, and rearranging resources.

The permission to personalize views is granted by role.

To allow a role to personalize views:

1. Log on to the Orion EOC Web Console as an administrator.
2. Click **Settings**.
3. Click **Manage Roles**.
4. Check the role, and then click **Edit Role**.
5. Select **Yes** from the **Allow users to personalize their pages** list.
6. Click **Update Role**.

Removing Personalizations

Changes that you make to a view as an administrator affect all users except those who have personalized their views. To update all users with the changes you make to a view, you must remove all personalizations associated with that view.

To remove personalizations from a view:

1. Log on to the Orion EOC Web Console as an administrator.
2. Click **Settings**.
3. Click **Manage Views**.
4. Check the view, and then click **Edit View**.
5. Check **Reset view for all users**.

Warning: All personalizations created for this view will be lost.

6. Click **OK, Save Changes**.

Setting EOC Warning and Error Threshold Values

Views contain resources that provide information on nodes that exceed certain EOC warning and error thresholds. Administrators can set these warning and error thresholds from the Settings menu.

To set EOC warning and error threshold values:

1. Log on to the Orion EOC Web Console as an administrator.
2. Click **Settings**.
3. Click **Manage Thresholds**.
4. Enter new values for the threshold values.
5. Click **Submit**.

Chapter 4

Using the Orion EOC Web Console

Users should review the following sections:

- “Managing Your Orion NPM Credentials”
- “Viewing Consolidated Orion NPM Data”
- “Personalizing Views”
- “Filtering and Grouping Data in Resources”

Managing Your Orion NPM Credentials

To manage Orion NPM credentials if you are a user:

1. Log on to the Orion EOC Web Console.
2. Click **Manage Orion Logins**.
3. For each Orion NPM server that you want to access:
 - a. Enter the Orion NPM credential.
 - b. Click **Test**.
4. Click **Submit**.

Viewing Consolidated Orion NPM Data

The Orion EOC Web Console consolidates data from the Orion NPM servers and presents this network information in configurable views. You access these views from the menu bar.

View	Information
Home	Nodes that exceed EOC warning and error threshold values.
Top 10	Network devices by utilization and by number of events.
Events	Orion NPM event messages in the past 24 hours.
Alerts	Orion NPM alerts in the past 24 hours.
Traps	Orion NPM traps in the past 24 hours.
SysLog	SysLog messages in the past 24 hours.
Reports	Orion NPM monitor reports.
Orion Servers	Orion NPM server summaries.
Applications	Application Performance Monitor module data.
NetFlow	NetFlow module data.
VoIP	VoIP module data.
Wireless	Wireless module data.

Personalizing Views

Users in roles that allow personalizations can customize their views by changing the layout and composition of the resources that are shown. For more information about allowing personalizations, see “Allowing Users to Personalize Views” on page 15.

Changing the View Layout

The following procedure walks you through changing the layout of a view.

To change the view layout:

1. Log on to the Orion EOC Web Console.
2. Click the view you want to change.
3. Click **Personalize**.
4. **If you want to delete a resource from a column**, click the triangle in the top-right corner of the resource, and then click **Delete**.

5. **If you want to add a resource**, repeat the following steps for each resource you want to add.
 - a. Check the resource in the Catalog Zone that you want to add.
 - b. Click the column in the **Add To** list where you want the resource to appear.
 - c. Click **Add**.

Note: It is possible to duplicate resources in the view.
6. Click **Exit Personalize**.

Filtering and Grouping Data in Resources

You can reorganize and filter application, node, interface, Orion, and volume data within a resource if your role allows personalizations. You can group data by category, and you can filter data by Orion NPM server or by using a SQL-like filter syntax.

Grouping Node Data by Category

The following procedure walks you through changing the way node data is grouped in a resource.

To group resource data by category:

1. Log on to the Orion EOC Web Console.
2. Click **Edit** on the resource that you want to change.
3. Select the category that you want to group by from the **Level 0** list.
4. If you want to group by more subcategories, select additional categories from the **Level 1** and the **Level 2** lists.
5. Click **Save**.

Filtering Data by Orion NPM Server

The following procedure walks you through hiding data from undesired Orion NPM servers.

To filter data by Orion NPM server:

1. Log on to the Orion EOC Web Console.
2. Click **Edit** on the resource that you want to change.
3. Check the Orion NPM servers you want to see data from.
4. Uncheck the Orion NPM servers you want to hide data from.
5. Click **Save**.

Filtering Data Using Filter Criteria

The following procedure explains how to limit the application, node, interface, Orion, or volume data shown by specifying filter criteria in a SQL-like filter syntax. For more information about the filter syntax, see “Filter Syntax” on page 20.

To filter node data using filter syntax:

1. Log on to the Orion EOC Web Console.
2. Click **Edit** on the resource that you want to change.
3. Type your filter criteria in the **Filter Nodes SQL** field.
4. Click **Save**.

Filter Syntax

You can filter application, node, interface, Orion, and volume data by either their built-in properties or by their custom properties.

Filtering by Built-in Properties

Property names are shared between data types. To prevent ambiguity, Orion EOC prefixes the property names with the data type.

Example filter to show nodes from Cisco devices:

```
Node.Vendor = 'Cisco'
```

Example filter to show interfaces from Cisco devices:

```
Interface.Vendor = 'Cisco'
```

Example filter to show volumes with captions beginning with “AX3-“:

```
Volume.Caption Like 'AX3-%'
```

Example filter to show nodes from Nortel devices that are Down:

```
Node.Vendor Like 'Nortel%' AND Status=2
```

Filtering by Status Property

To filter by the Status property, you must know the valid status levels.

Level	Status
0	Unknown
1	Up
2	Down
3	Warning

Example filter to only show Nodes that are not UP:

```
Node.Status<>1
```

Filtering by Custom Property

The property syntax to filter by custom property is:

dataType.CustomProperty.*propertyName*

Example filter to only show nodes with the custom property City that matches Atlanta:

```
Node.CustomProperty.City = 'Atlanta'
```

Built-in Properties for Application Data

Application.Name

Built-in Properties for Interface Data

Interface.Alias	Interface.Caption	Interface.FullName
Interface.IfName	Interface.InBandwidth	Interface.InDiscardsThisHour
Interface.InDiscardsToday	Interface.InErrorsThisHour	Interface.InErrorsToday
Interface.InMcastPps	Interface.InPercentUtil	Interface.InPktSize
Interface.InPps	Interface.InUcastPps	Interface.Inbps
Interface.InterfaceID	Interface.LastChange	Interface.LastSync
Interface.MaxInBpsTime	Interface.MaxInBpsToday	Interface.MaxOutBpsTime
Interface.MaxOutBpsToday	Interface.Name	Interface.NodeID
Interface.OrionID	Interface.OutBandwidth	Interface.OutDiscardsThisHour
Interface.OutDiscardsToday	Interface.OutErrorsThisHour	Interface.OutErrorsToday
Interface.OutMcastPps	Interface.OutPercentUtil	Interface.OutPktSize
Interface.OutPps	Interface.OutUcastPps	Interface.Outbps
Interface.PhysicalAddress	Interface.Severity	Interface.Speed
Interface.Status	Interface.Type	Interface.TypeDescription
Interface.TypeName		

Built-in Properties for Node Data

Node.AvgResponseTime	Node.CPULoad	Node.Caption
Node.Contact	Node.DNS	Node.Description
Node.GroupStatus	Node.IOSImage	Node.IOSVersion
Node.IPAddress	Node.LastBoot	Node.LastSync
Node.Location	Node.MachineType	Node.MaxResponseTime
Node.MemoryUsed	Node.MinResponseTime	Node.NodeID
Node.ObjectSubType	Node.OrionID	Node.PercentLoss
Node.PercentMemoryUsed	Node.ResponseTime	Node.Severity
Node.Status	Node.StatusDescription	Node.SysName
Node.SysObjectID	Node.SystemUpTime	Node.TotalMemory
Node.Vendor	Node.VendorIcon	

Built-in Properties for Orion Data

Orion.Host	Orion.Managed	Orion.Name
Orion.OrionID	Orion.PollingInterval	Orion.Status
Orion.TimeZone		

Built-in Properties for Volume Data

Volume.Caption	Volume.Description	Volume.FullName
Volume.Index	Volume.LastSync	Volume.NodeID
Volume.OrionID	Volume.PercentUsed	Volume.Responding
Volume.Size	Volume.SpaceAvailable	Volume.SpaceUsed
Volume.Status	Volume.Type	Volume.VolumeID

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