

Neuron Configuration Manager

USER'S GUIDE

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At Halcyon, we believe the health of the IT infrastructure is integral to the success of a business. Our clients rely on us for complete end-to-end monitoring solutions that are straightforward, easy to deploy and use, and cost-effective, coupled with a history of client service excellence.

Your Infrastructure is Our Business

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1 Preface

1.1 Purpose of the Document

The purpose of this document is to describe the *Neuron Configuration Manager* and how end-users, managers, and administrators will use it.

1.2 Intended Audience

This guide is written for the following type of audience:

Table 1.2-1: Intended Audience

Role	Usage
End User	The User's Guide is intended for end users who use the product on a daily basis. This guide provides information on how to use the product for tasks such as viewing configuration metrics and viewing snapshots.
Manager Administrator	The User's Guide provides information for managers who are responsible for preparing the product for use by end users. Their tasks include creating configuration metric snapshots, as well as setting thresholds for, and enabling/disabling those metrics.

1.3 Related Documents

This solution is composed of a series of underlying products. For further information regarding the configuration, usage and administration of the products, please refer to the following documents.

These documents may be located in the doc folder of the solution distribution or on the website (www.halcyoninc.com/docs).

Table 1.3-1: Related Documents

Component Name	Related Documents
Neuron Management Suite	<ul style="list-style-type: none"> ▪ Neuron Management Suite Installation Guide
Neuron Event Manager	<ul style="list-style-type: none"> ▪ Neuron Event Manager Release Notes ▪ Neuron Event Manager User's Guide
Neuron Inventory Manager	<ul style="list-style-type: none"> ▪ Neuron Inventory Manager Release Notes ▪ Neuron Inventory Manager User's Guide
Neuron Configuration Manager	<ul style="list-style-type: none"> ▪ Neuron Configuration Manager Release Notes

Neuron
Management
Server

- Neuron Management Server Release Notes
 - Neuron Management Server User's Guide
-

2 General Overview

2.1 Product Overview

Neuron Configuration Manager retrieves configuration data from assets that are managed by *Neuron Management Server*. In the *Neuron Management Portal* UI (please refer to the *Neuron Management Server* User's Guide for details about the *Portal*), there is a Configuration Tab, which shows the configuration metrics that are applicable for assets that are monitored by the *Neuron Management Server*. It also provides a means to create and view snapshots of configuration metrics, to set thresholds on configuration metrics, to copy thresholds from one asset to other assets of the same type, and to enable or disable configuration metrics. When a configuration metric is enabled and the retrieved data crosses an active user defined threshold, an event of the specified severity will be generated. The event can be viewed through the Events tab. The severity of the configuration metric is displayed in the configuration metric table. When a configuration metric is disabled, the configuration manager won't retrieve data for that configuration metric from any asset.

The features of Configuration Tab (*Neuron Configuration Manager*) include:

- Easy to use interface for viewing and managing configuration metrics.
- Create and view snapshots of configuration metrics.
- Enable or disable configuration metrics.
- Set thresholds on configuration metrics.
- Copy thresholds from one asset to other assets of the same asset type.

2.2 Getting Started

Neuron Configuration Manager only retrieves configuration metrics data from assets that are managed by *Neuron Management Server*. For information on how to discover and manage assets, please refer to the *Neuron Inventory Manager* User's Guide.

3 Configuration Tab

The Configuration Tab displays a table of configuration metrics for an asset that is selected from the left Topology panel as shown in Figure 3-1. Different types of topologies can be selected from the panel's drop-down header where each topology shows different assets, and/or assets organized in different ways. For instance, the OS Topology shows all the operating systems grouped by OS type. For more details about the Topology, please refer to the *Neuron Event Manager User's Guide*.

The screenshot shows the Neuron Configuration Manager interface. On the left is the Systems Topology panel with a tree view showing various assets. The main panel displays the Configuration Tab for the selected asset, 'twilight.halcyoninc.com (Global Zone)'. A table lists configuration metrics with columns for Severity, Metric, Category, Unit, and Current Value. The table shows various system metrics such as Average CPU Speed, CPU Architecture, CPU Cap, CPU Dedicated, CPU Dedicated Importance, CPU Model, CPU Pool, CPU Shares, CPU Vendor, Total CPU Cores, Total CPUs, Total Local Disks Size, Total Local Hard Disks, Hardware Model, Mem Cap, Total Physical Mem, Current Patch List, Total Swap, Max ARC Size, and Min ARC Size. All metrics show a green checkmark in the Severity column, indicating they are configured correctly.

Severity	Metric	Category	Unit	Current Value
✓	Average CPU Speed	CPU	GHz	1.20
✓	CPU Architecture	CPU		sparcv9
✓	CPU Cap	CPU	Count	Not Configured
✓	CPU Dedicated	CPU	Count	Not Configured
✓	CPU Dedicated Importance	CPU		Not Configured
✓	CPU Model	CPU		UltraSPARC-T1
✓	CPU Pool	CPU		pool_default
✓	CPU Shares	CPU	Count	1
✓	CPU Vendor	CPU		Sun
✓	Total CPU Cores	CPU	Count	8
✓	Total CPUs	CPU	Count	1
✓	Total Local Disks Size	Disk	GB	146.88
✓	Total Local Hard Disks	Disk	Count	2
✓	Hardware Model	Hardware		Sun Microsystems su...
✓	Mem Cap	Memory	MB	Not Configured
✓	Total Physical Mem	Memory	MB	16256
✓	Current Patch List	Patch		/var/opt/HMF/patchLis...
✓	Total Swap	Swap	MB	28479.25
✓	Max ARC Size	ZFS	GB	14.58
✓	Min ARC Size	ZFS	GB	1.82

Figure 3-1: Configuration Tab

The table in the Configuration Tab shows the configuration metrics that are retrieved from the selected asset. Different configuration metrics are retrieved for different assets. The above figure shows configuration metrics for an asset selected from the Systems Topology which is a Solaris global zone. If a Solaris 9 OS asset is selected (from the OS Topology), a different set of configuration metrics are displayed. Figure 3-2 shows an example.

Configuration data is only available when selecting a specific asset in the Topology, not a topology group (those with a + or – icon next to them).

If you do not see the data you are looking for or are expecting, try selecting a different asset.

neuron management portal Search | Settings | Help | About | Logout
Configuration

OS Topology

- Domain
 - Linux 2.6
 - (1) metropolis
 - (1) spark
 - Solaris 9
 - (1) kenny
 - Solaris 10
 - Solaris 11
 - Unknown

Events Inventory Configuration Health

View kenny (OS) Configuration Show Enabled


Severity	Metric	Category	Unit	Current Value
✓	Average CPU Speed	CPU	GHz	0.36
✓	CPU Architecture	CPU		sparcv9
✓	CPU Model	CPU		UltraSPARC-II
✓	CPU Vendor	CPU		Sun
✓	Total CPU Cores	CPU	Count	1
✓	Total CPUs	CPU	Count	1
✓	Total Local Disks Size	Disk	GB	36.42
✓	Total Local Hard Disks	Disk	Count	1
✓	Hardware Model	Hardware		Sun Microsystems su...
✓	Total Physical Mem	Memory	MB	2048
✓	Current Patch List	Patch		/var/opt/HMF/patchLis...
✓	Total Swap	Swap	MB	4182.38

Done Last Refreshed: Nov 23 11:29

Figure 3-2: Configuration Tab Showing Metrics for an OS asset

If the *Configuration Manager* is not licensed or the license has expired, the Configuration Tab will appear disabled. You can hover the mouse over the Configuration Tab and see the tooltip for more information. If any related module is not licensed or the license has expired, the metrics that are handled by that module will have grey cells in the Current Value column. You can hover the mouse over the grey cell and see the tooltip for more information. Tooltips are provided for the icon images in the Severity column, all cells in the Current Value column, and all greyed out cells. The tooltip of a severity icon tells what it means. The tooltip of any cell in the Current Value column indicates whether data is available and when the data was last retrieved from the asset. The tooltip of any greyed out cell explains the reason.

3.1 Refresh Current Data

To pull the most recent configuration data from the Neuron database, click the refresh button  in the tab header. This will update the data in the table, specifically the Severity and Current Value fields.

When the *Neuron Configuration Manager* is pulling data from the database, a “Loading” bar will appear at the bottom of the display indicating that Neuron is loading the data. When all data has been retrieved and the Configuration Tab table is populated with the data, a “Done” label will appear at the bottom of the display. The Last Refreshed timestamp indicates when the data was retrieved from the Neuron database.

Please be aware that Refresh only retrieves data already in the Neuron database, it does not trigger operations to run and collect new data from the selected asset. To trigger operations to run, please refer to section 3.2 below.

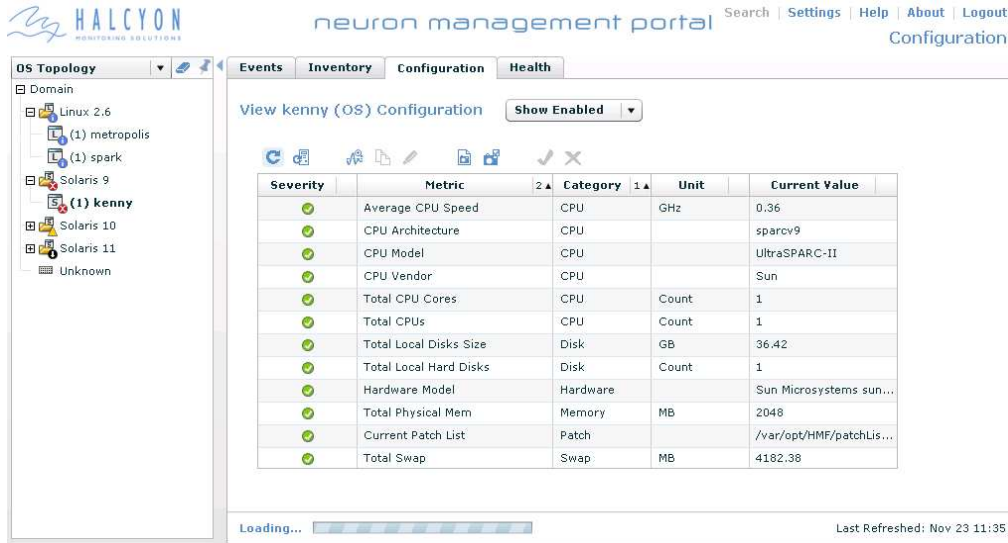



Figure 3-3: Configuration Tab Loading

3.2 Update Current Data

Within the Configuration tab, you can hover your mouse over the Severity field icon, or the Current Value field to see a tooltip that will indicate when the data was retrieved from the selected asset.



Figure 3-4: Configuration Data Last Updated Time

To have Neuron run configuration operations to collect fresh configuration data from the selected asset, click the update button  above the table. This will trigger configuration operations that apply to the selected asset (for instance, all Solaris OS 9 configuration operations) to run for that asset.

After triggering the operations to run, you will need to manually refresh the data displayed in the UI by clicking the Refresh button to pull the most recent data from the Neuron database (see section 3.1 above).


Be aware that some operations may take longer to run than others. If you refresh the data and some metrics indicate the existing Last Updated time, the operations may still be running and/or updating the Neuron database. You can click Refresh again to see if any new data comes back, or click the Events tab to see if any Warnings were logged for that asset's data collection.

3.2.1 Update Button Disabled

There are a number of reasons that the Update button may be disabled. You should be able to hover your mouse over the disabled button to see a tooltip explaining why the button is disabled.

If the selected asset is unmanaged and/or has no credentials set, Neuron cannot collect data from the asset. Please refer to the *Neuron Inventory Manager User's Guide* for details on Managing assets and Setting Credentials.

4 Show Configuration Metric Thresholds

The Configuration Tab metric table shows the level of severity of the metric depending on the threshold that has been crossed by the current metric value. To view the different levels of thresholds that have been set and are actively applied to the metric, click the Show Threshold Columns button .

There are 2 groups of thresholds that can be applied to a metric of an asset. One group is asset thresholds, which are applied to a metric for a specific asset. For example, you could set asset thresholds on “Total Swap” specifically for an OS asset named “kenny”. These thresholds will only be applied to the asset “kenny”, not to any other OS assets. The other group is asset type thresholds, which are applied to all assets of a specific asset type. For example, you could set thresholds on “Total Swap” for all OS type assets.

If both asset and asset type thresholds are set, the asset thresholds will override all asset type thresholds for the metric of that asset. For example, suppose there is one asset threshold set on Total Swap for an OS asset named “kenny”:

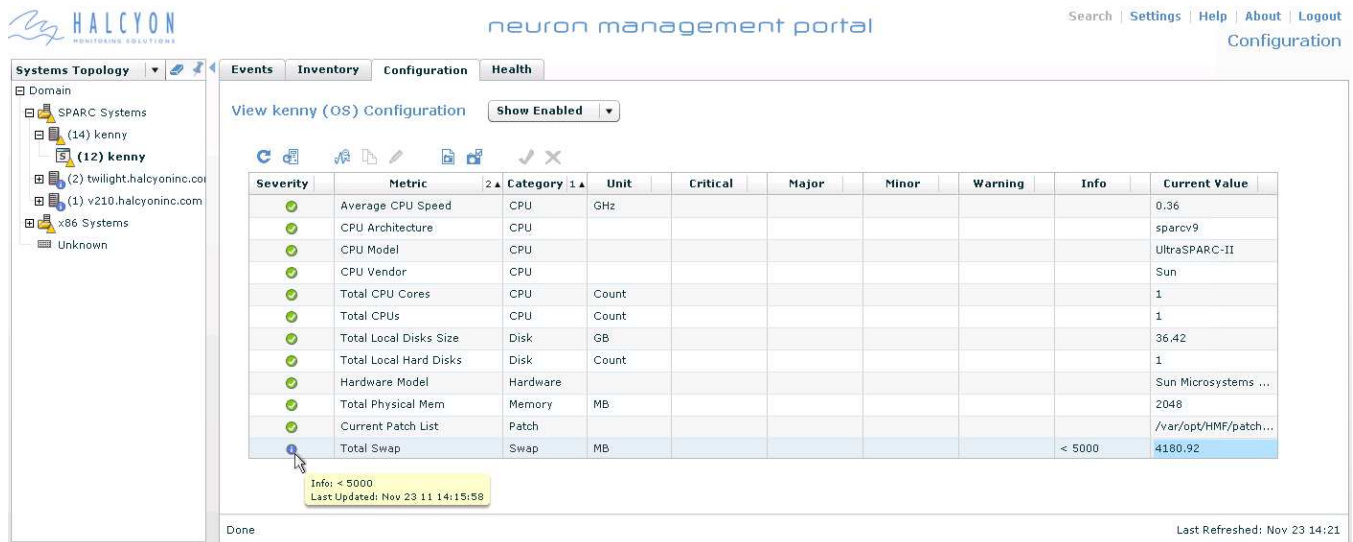
Asset Threshold on Total Swap for asset kenny:
Info < 5000 MB

And there is one asset type threshold set on Total Swap for all OS assets:

Asset Type Threshold on Total Swap for all OS assets:
Warning < 4500 MB

Then the asset threshold “Info < 5000 MB” will be actively applied to Total Swap for asset “kenny”. While the asset type threshold “Warning < 4500 MB” will be inactive for kenny’s Total Swap metric. However, this asset type threshold “Warning < 4500 MB” will still be actively applied to Total Swap for other OS assets that do not have any asset threshold set. Figure 4-2 illustrates the asset type threshold being actively applied to other OS assets, where no asset threshold is set.

Refer to section 5 for how to set asset thresholds and asset type thresholds on a metric.



The screenshot shows the 'neuron management portal' interface. On the left is a 'Systems Topology' tree with 'kenny' selected. The main area is titled 'View kenny (OS) Configuration' and contains a table of metrics. The 'Total Swap' row is highlighted, and a tooltip shows 'Info: < 5000' and 'Last Updated: Nov 23 11 14:15:58'.

Severity	Metric	Category	Unit	Critical	Major	Minor	Warning	Info	Current Value
✓	Average CPU Speed	CPU	GHz						0.36
✓	CPU Architecture	CPU							sparcv9
✓	CPU Model	CPU							UltraSPARC-II
✓	CPU Vendor	CPU							Sun
✓	Total CPU Cores	CPU	Count						1
✓	Total CPUs	CPU	Count						1
✓	Total Local Disks Size	Disk	GB						36.42
✓	Total Local Hard Disks	Disk	Count						1
✓	Hardware Model	Hardware							Sun Microsystems ...
✓	Total Physical Mem	Memory	MB						2048
✓	Current Patch List	Patch							/var/opt/HMF/patch...
✓	Total Swap	Swap	MB					< 5000	4180.92

Figure 4-1: Show Threshold Columns – Active Asset Thresholds

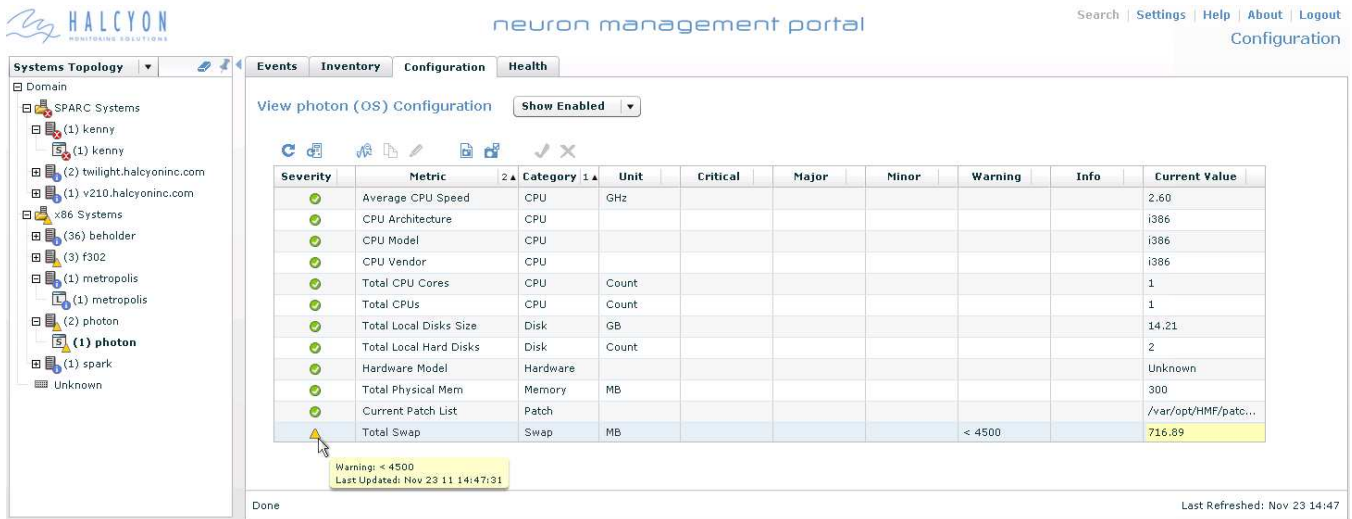


Figure 4-2: Show Threshold Columns – Active Asset Type Thresholds

Note that for some metrics the threshold columns are greyed out. These metrics are static (won't change over time), such as system model. Since these metrics remain unchanged over time, thresholds are not applicable for them. Hovering the mouse over grey/disabled fields will show a tooltip explaining why the field is disabled. Figure 4-3 shows the system model metric for a physical host asset that is selected from Systems Topology. Since the metric is static, the threshold columns are greyed out.





Figure 4-3: Thresholds Not Applicable for Static Metrics

5 Edit Configuration Metric Thresholds

Managers and Admins can edit configuration metric thresholds (please refer to the *Neuron Management Server User's Guide* for more details on users and groups).

As mentioned in section 4, there are two groups of thresholds: asset thresholds and asset type thresholds. For each group, thresholds of different severities can be set on a configuration metric, but at any time only one group of thresholds will be actively applied (refer to section 4 above). When the value retrieved from an asset crosses an active threshold, an event of corresponding severity will be triggered and the severity of the configuration metric will be set. To view the events, click on the Events Tab. Note that thresholds can not be set on static configuration metrics (those whose values do not change over time). For static configuration metrics, their threshold columns are greyed out (refer to section 4 above).

To set asset thresholds on a metric, select the specific asset from the left topology panel, then select the metric of interest in the table and click the Edit Thresholds button  (you cannot edit thresholds of multiple metrics at the same time).

To set asset type thresholds on a metric, select from the topology panel any asset of the asset type which has the metric of interest. Then select that metric in the table and click the Edit Thresholds button .

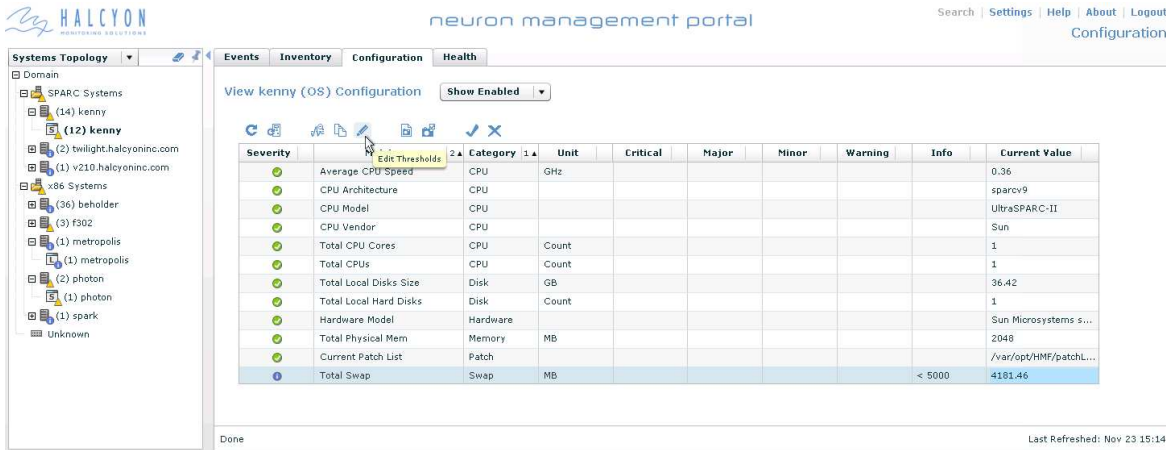


Figure 5-1: Select a Configuration Metric to Edit Thresholds

The Threshold Editor window will be displayed.

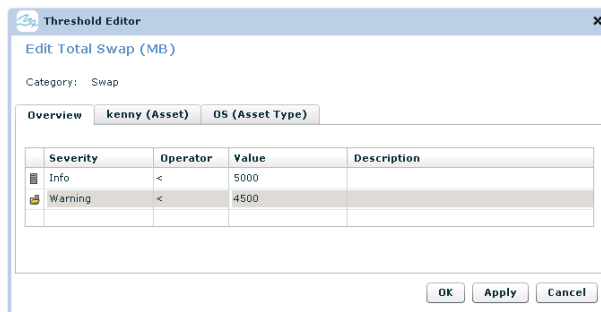



Figure 5-2: Threshold Editor

In the Threshold Editor, the name of the selected metric and its category are displayed. There are 3 tabs in the editor: overview tab, asset thresholds tab, and asset type thresholds tab.

5.1 Overview Tab

The Overview tab displays all thresholds for that metric (one threshold per row), with asset thresholds on top and asset type thresholds below. The asset thresholds are indicated by the asset threshold icon  (see Figure 5-3).

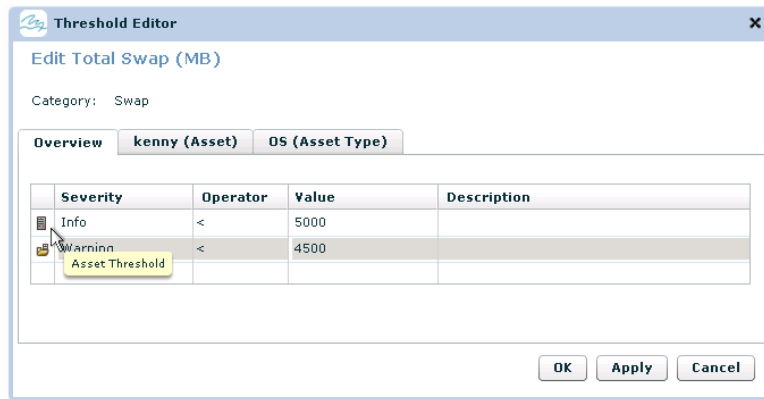



Figure 5-3: Threshold Editor Overview Tab - Asset Thresholds

The asset type thresholds are accompanied by the asset type threshold icon  (see Figure 5-4).

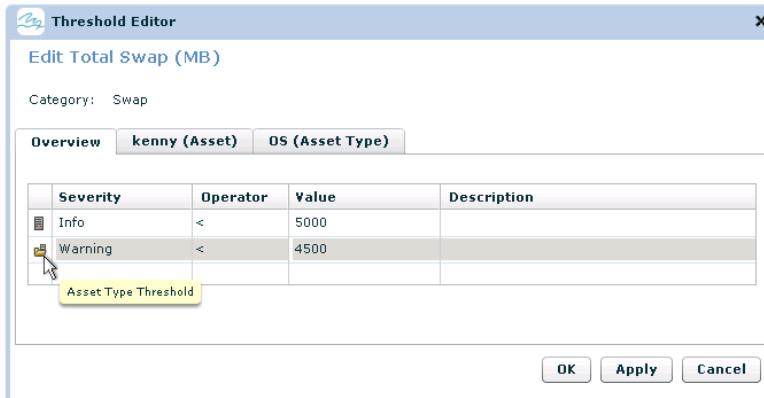


Figure 5-4: Threshold Editor Overview Tab - Asset Type Thresholds

As you can see when both asset thresholds and asset type thresholds are set on a metric, the asset thresholds are active while the asset type thresholds are inactive. The inactive asset type thresholds are displayed with a gray background. Hover over the row to see a tooltip that provides information on why the threshold is greyed out (see Figure 5-5).

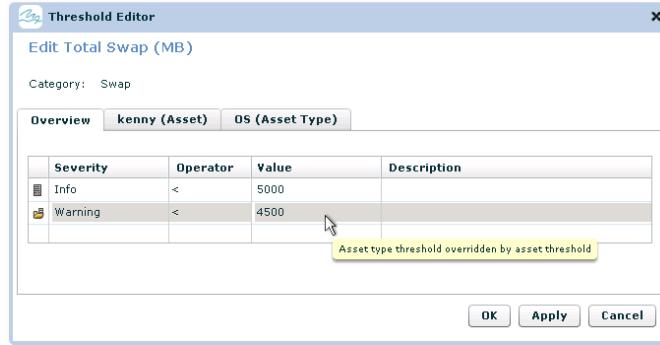


Figure 5-5: Threshold Editor Overview Tab - Inactive Asset Type Thresholds

5.2 Asset Threshold Tab

The second tab in the Threshold Editor displays all the asset thresholds that are currently set. You can add/edit/remove asset thresholds here.

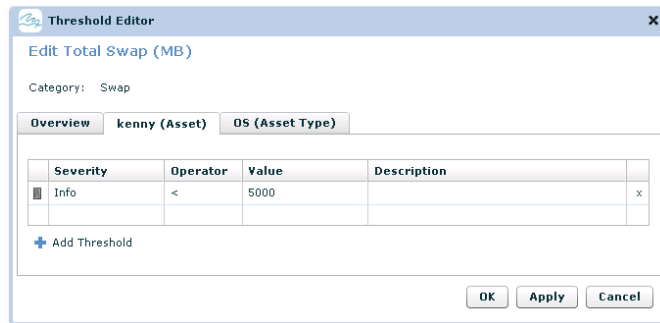


Figure 5-6: Threshold Editor Asset Threshold Tab

To add an asset threshold, click the Add Threshold button at the bottom left corner of the window and a new default row will be added to the threshold table. Click on "Select Severity..." in the Severity column and select a severity for the threshold.

In the Operator column, a default ">" operator will appear. Click on it to select one of the ">", "=", or "<" operators. Click the cell in the Value column and type in a numerical value which will be the threshold (at present, only numerical thresholds are supported).

Click the cell in the Description column and type the description for this threshold (optional).

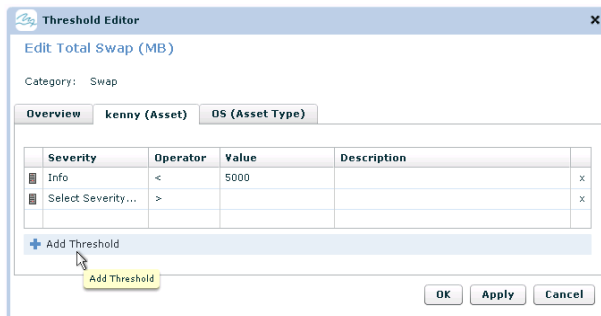


Figure 5-7: Add Asset Threshold

To edit an existing asset threshold, click the cell you want to edit, and make the necessary changes.

To delete an existing asset threshold, click the delete sign “x” located at the end of each row.

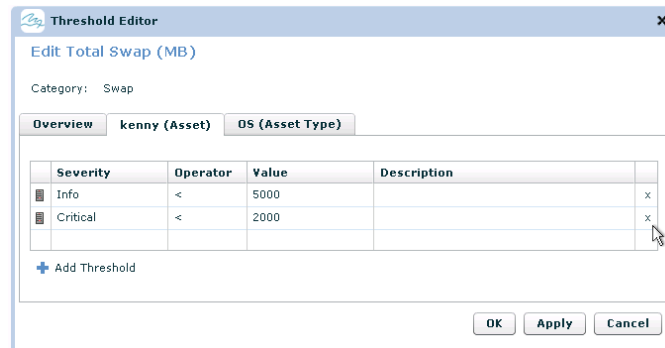


Figure 5-8: Delete Asset Threshold

A popup window will appear and ask for confirmation whether to delete the selected threshold or not.



Figure 5-9: Confirm Deletion of an Asset Threshold

Click the “Yes” button to delete the selected asset threshold or click the “No” button to cancel the deletion.

After editing is done, click the “OK” or “Apply” button to save the changes. The Configuration Tab metric table will be updated to reflect the new thresholds (as in Figure 5-1). The Threshold Editor window will close on its own if the “OK” button is clicked. The window will stay open if the “Apply” button is clicked, so that you can do more editing.

5.3 Asset Type Threshold Tab

The third tab in the Threshold Editor displays all the asset type thresholds that are currently set. You can add/edit/remove asset type thresholds here.

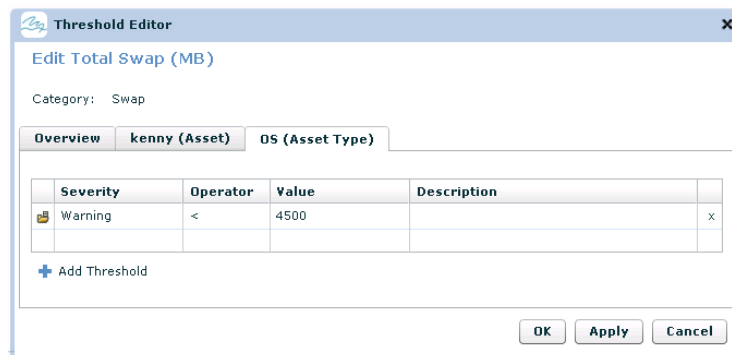



Figure 5-10: Threshold Editor Asset Type Threshold Tab

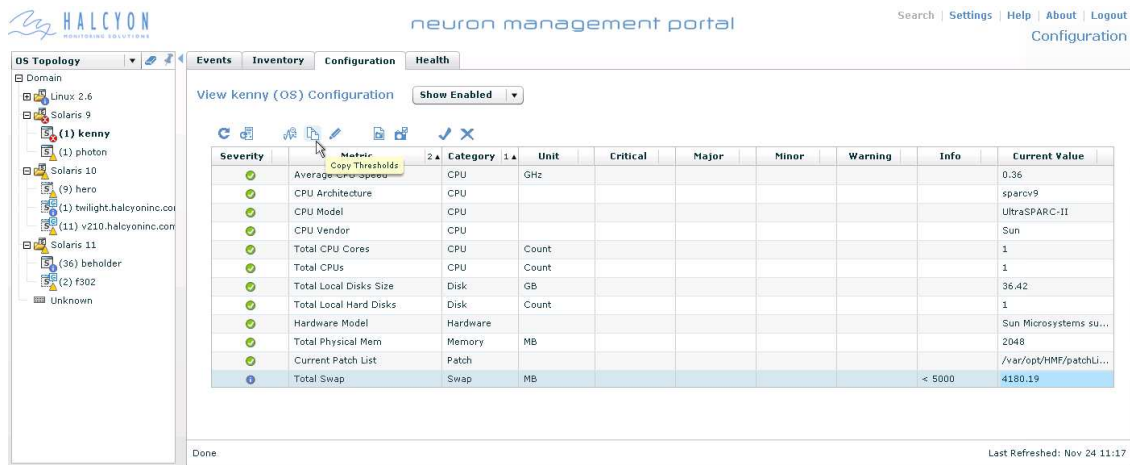
The steps to add/edit/remove asset type thresholds are the same as adding/editing/removing asset thresholds. Please refer to section 5.2 for details.

6 Copy Asset Thresholds

Managers and Admins can copy configuration metric asset thresholds from one asset to other assets (please refer to the *Neuron Management Server User's Guide* for more details on users and groups).

As mentioned in section 4, there are two groups of thresholds: asset thresholds and asset type thresholds. An asset threshold will only be applied to the specific asset it is set on. Copying asset thresholds allows users to apply a specific asset threshold to other assets of interest.

To copy thresholds from one asset to other assets, select the source asset in the topology panel, then select the metric(s) of interest in the configuration metric table. Use Ctrl + click to select more than one metric. Then click the Copy Thresholds button . For example we want to copy the "Info < 5000" asset threshold on Total Swap that was set on an OS asset named "kenny" to some other OS assets. We first select the OS asset "kenny" in the OS Topology from the left panel, then select the Total Swap metric in the configuration metric table and click the Copy Thresholds button.

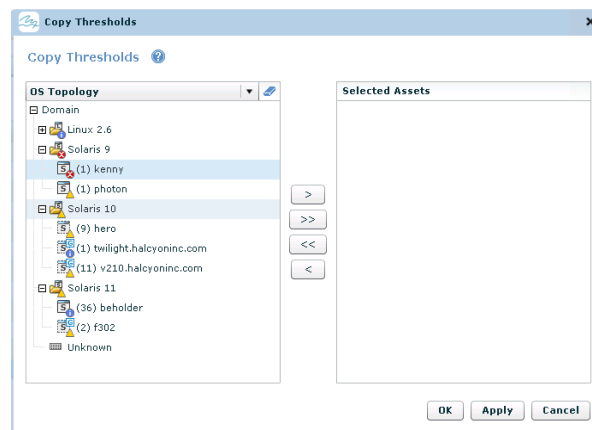


The screenshot shows the 'neuron management portal' interface. On the left, the 'OS Topology' panel shows a tree view with 'kenny' selected under 'Solaris 9'. The main area displays 'View kenny (OS) Configuration' with a 'Show Enabled' dropdown. Below this is a table of configuration metrics:

Severity	Metric	Category	Unit	Critical	Major	Minor	Warning	Info	Current Value
	Average Speed	CPU	GHz						0.36
	CPU Architecture	CPU							sparcv9
	CPU Model	CPU							UltraSPARC-11
	CPU Vendor	CPU							Sun
	Total CPU Cores	CPU	Count						1
	Total CPUs	CPU	Count						1
	Total Local Disks Size	Disk	GB						36.42
	Total Local Hard Disks	Disk	Count						1
	Hardware Model	Hardware							Sun Microsystems su...
	Total Physical Mem	Memory	MB						2048
	Current Patch List	Patch							/var/opt/HMF/patchLi...
	Total Swap	Swap	MB					< 5000	4180.19

Figure 6-1: Select a Configuration Metric to Copy Asset Thresholds

The Copy Thresholds window will be displayed.



The screenshot shows the 'Copy Thresholds' dialog box. On the left, the 'OS Topology' panel shows a tree view with 'kenny' selected under 'Solaris 9'. On the right, the 'Selected Assets' panel is empty. Below the panels are navigation buttons: '>', '>>', '<<', and '<'. At the bottom are 'OK', 'Apply', and 'Cancel' buttons.

Figure 6-2: Copy Thresholds Window

Next we need to select the target assets from the left topology panel and add them to the selected assets panel on the right. Notice that in the left panel you can select different topologies from the drop-down selector at the top of the panel. We want to copy kenny's Total Swap asset thresholds to OS assets "photon" and "hero" (the target assets are "photon" and "hero"). We select these 2 assets from the left topology panel. Use Ctrl + click to select multiple assets. Add them to the right panel by either clicking the ">" (Add) button or by dragging and dropping them in the right panel.

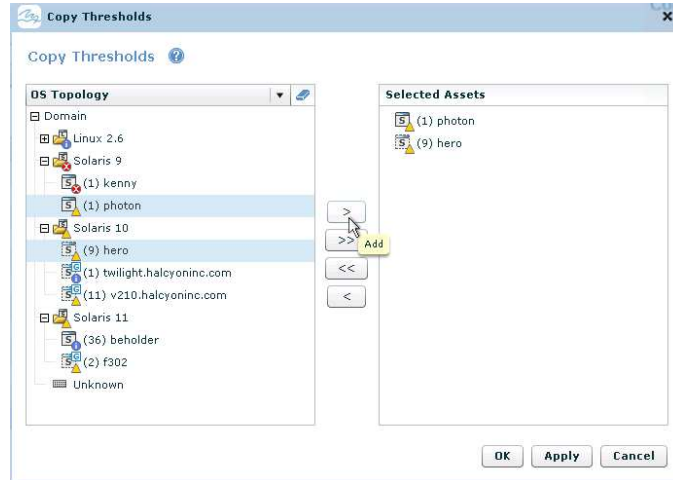



Figure 6-3: Copy Asset Thresholds - Add Target Assets

After all target assets are added to the selected assets panel on the right, click the "OK" or "Apply" button to trigger the copying of the asset thresholds set on the metric of the source asset to the target assets. If the "OK" button is clicked, the Copy Thresholds window will close on its own. The window will stay open if the "Apply" button is clicked, so that you can repeat copying to other target assets.

7 Create Configuration Snapshots

A snapshot is a record of all the configuration metrics (and their current values) that are currently displayed in the Configuration Tab table for the selected asset. It is a snapshot of that asset's configuration at the current point in time.

Managers and Admins can create snapshots of an asset's configuration metrics (please refer to the *Neuron Management Server User's Guide* for more details on users and groups). To create a snapshot of the currently displayed configuration metrics, click the Create Snapshot button . The Create Snapshot window will appear where you can specify the name, description and category for the snapshot.

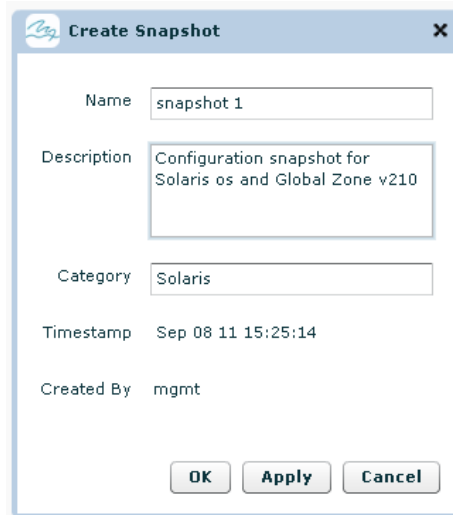


Figure 7-1: Create Snapshot

7.1 Name

Enter the name for the snapshot. This field is required. The name will appear in the Select Snapshots window (refer to Select and View Configuration Snapshots) when you select snapshots to be displayed in the Configuration Tab table. It is suggested to type in a name that can be easily identified later.

7.2 Description

Enter the description for the snapshot. This field is optional.

7.3 Category

Enter the category for the snapshot. This can be used to group related snapshots for an asset. This field is optional.


7.4 Timestamp

This is the time when the Create Snapshot button is clicked, i.e., the time when a snapshot is attempted to be created.

7.5 Created By

This is the login user who tries to create a snapshot.

8 Select and View Configuration Snapshots

After snapshots of an asset's configuration metrics have been created, you can select one or more of these snapshots to be displayed in the Configuration Tab table for the purpose of comparison. Click the Select Snapshot button  and the Select Snapshots popup window will appear (refer to Figure 8-2).

You can select one or more available snapshots from the left list and move them to the Selected Snapshots list on the right, or you can deselect snapshots from the Selected Snapshots list by moving them to the left Available Snapshots list. Use Ctrl + click to select more than one snapshots.

The single-right-arrow button moves the selected (highlighted) available snapshot(s) to the Selected Snapshots (right) list. The double-right-arrow button moves all the Available Snapshots to the Selected Snapshots (right) list. The left arrow buttons do the opposite (to deselect snapshots).

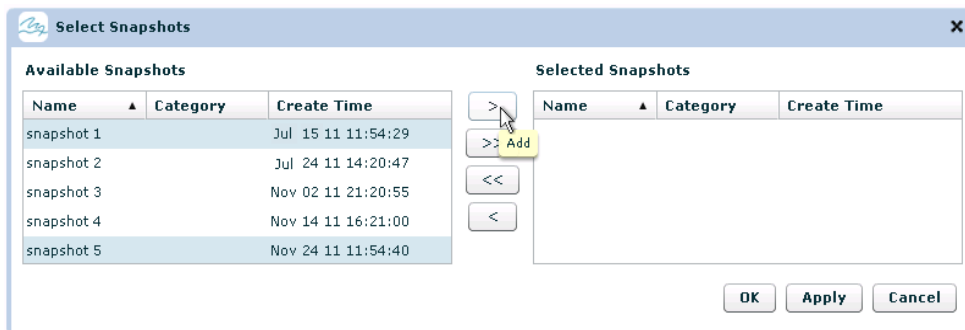


Figure 8-1: Select Available Snapshots

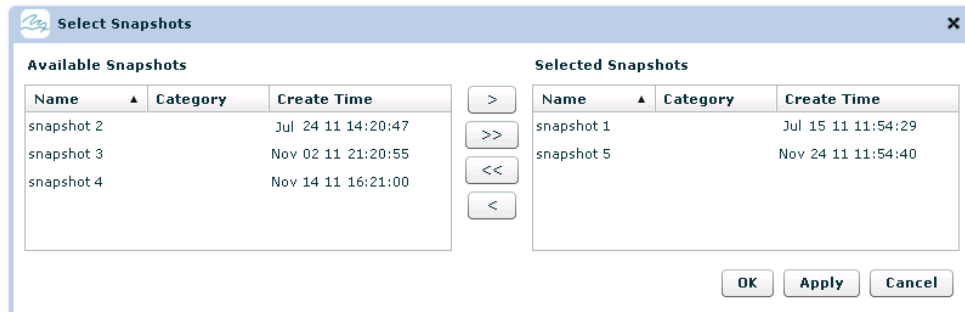


Figure 8-2: Selected Snapshots to View

Once you have selected snapshots and placed them in the Selected Snapshots list on the left, click the OK button. The popup window will disappear and the selected snapshot(s) will be added to the Configuration Tab table. Clicking on the Apply button will also add the snapshot(s) to the Configuration Tab table but the popup window will not be closed so that you can select/deselect additional snapshots.

The screenshot shows the 'neuron management portal' interface. On the left is a tree view of the OS Topology, including domains like Linux 2.6, Solaris 9, Solaris 10, and Solaris 11. The main area displays the 'View kenny (OS) Configuration' window, which contains a table of system metrics. The table has columns for Severity, Metric, Category, Unit, Current Value, snapshot 1 Value, and snapshot 5 Value. The 'Total Swap' row is highlighted in blue, showing a value of 4180.19 MB. The interface also includes navigation tabs (Events, Inventory, Configuration, Health) and a search bar.



Severity	Metric	Category	Unit	Current Value	snapshot 1 Value	snapshot 5 Value
✓	Average CPU Speed	CPU	GHz	0.36	0.36	0.36
✓	CPU Architecture	CPU		sparcv9	sparcv9	sparcv9
✓	CPU Model	CPU		UltraSPARC-II	UltraSPARC-II	UltraSPARC-II
✓	CPU Vendor	CPU		Sun	Sun	Sun
✓	Total CPU Cores	CPU	Count	1	1	1
✓	Total CPUs	CPU	Count	1	1	1
✓	Total Local Disks Size	Disk	GB	36.42	36.42	36.42
✓	Total Local Hard Disks	Disk	Count	1	1	1
✓	Hardware Model	Hardware		Sun Microsystems sun...	Sun Microsystems sun4u	Sun Microsystems sun4u
✓	Total Physical Mem	Memory	MB	2048	2048	2048
✓	Current Patch List	Patch		/var/opt/HMF/patchLis...	/var/opt/HMF/patchLists/	/var/opt/HMF/patchLists/
⊖	Total Swap	Swap	MB	4180.19	4180.19	4180.19

Figure 8-3: View Snapshots

9 Enable and Disable Configuration Metrics

Managers and Admins can enable or disable configuration metrics (please refer to the *Neuron Management Server User's Guide* for more details on users and groups).

When an asset configuration metric is enabled, Neuron will collect the data from assets that have this metric associated with them. If a configuration metric is disabled, Neuron will not collect data for this metric from those assets.

To enable or disable configuration metric(s), select one or more metrics in the table. Use Ctrl + click to select more than one metric. Click the Enable Metric button  to enable the selected metric(s) or the Disable Metric button  to disable the selected metric(s).

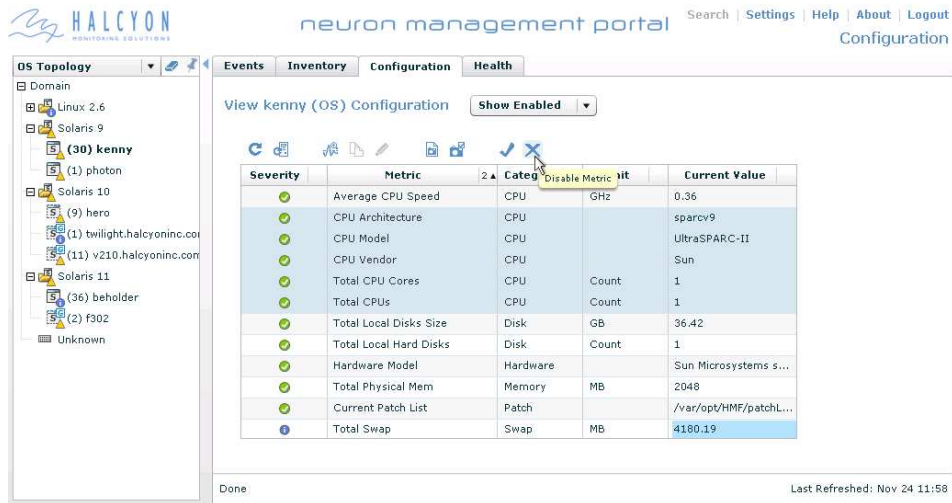


Figure 9-1: Disable Configuration Metrics

Note that there is a metric filter drop down box on the right side of the table header. You can choose one of the three options to show only enabled metrics, to show only disabled metrics, or to show all metrics.

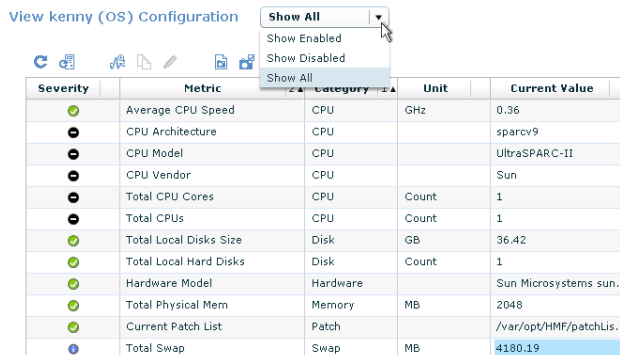


Figure 9-2: Show Enabled / Disabled / All Metrics

Enabled configuration metrics are displayed if either “Show Enabled” or “Show All” option is selected from the drop down box. Disabled configuration metrics are displayed if either “Show Disabled...” or “Show All” option is selected.