

Neuron Configuration Manager

RELEASE NOTES

Product Version: 1.16.0

Document Revision: 1.0.0



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About Halcyon

Halcyon delivers Infrastructure Management solutions that provide operational visibility, availability, and reliability for business critical services and their underlying infrastructure. Since 1994, numerous Fortune 100 and SMEs, spanning every major geography and sector, have adopted Halcyon solutions.

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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Version: 1.16.0

Release Date: 2011-12-19

Enhancements

#	Description
1	Tooltip of the alarmed severity icon in the metric table now displays the threshold triggered.
2	Added Min and Max ARC Size ZFS metrics for Solaris 10 and later.
3	Added greater thresholding control by including the ability to specify metric thresholds that are specific to individual assets, in addition to the previous thresholds that applied to all assets of a specific type. NOTE: Asset Type thresholds still exist, but get overridden by asset specific thresholds.
4	In addition to specifying thresholds specific to individual assets, users can also copy thresholds from one asset to one or more other assets.
5	Allow the user to choose whether unlicensed metrics should be displayed (adjust via the Settings Manager).
6	Added metrics for monitoring systems running Linux 2.6 kernel.

Bug Fixes

#	Description	Bug ID
1	Under certain circumstances, processing metrics could update the wrong metric for the wrong asset. This has been fixed so only the correct metric and asset get updated.	HMF-4173
2	Solaris Total Swap metric could be affected by a rounding error.	HMF-4112
3	Total Disk Space was reported as 0 for Solaris 11 Zones.	HMF-4139
4	Assets with the same moniker can be excluded from Asset Details compliance report.	HMF-4108

Known Issues

#	Description
1	Clicking Refresh after having shown and hidden the threshold columns will cause the metrics table to shrink in size. To restore the size, go to another tab (click Inventory for instance), then return to the Configuration tab. The data will update and the table will size properly.
2	For 1.16.0, several configuration metrics were updated to use GB instead of MB. These metrics include "Total Physical Mem", "Total Page File", "Mem Cap", "Dedicated Memory",

“Total System Physical Mem” and “Total Swap”.

Values and thresholds will be automatically updated, but any snapshots will not. If you took any snapshots of these metrics prior to 1.16.0, the values will still be in MB.

Upgrade Strategy

#	Description
1	<p>If upgrading <i>Halcyon Neuron Management Suite</i> from 1.12.0 or earlier, any assets that were discovered will not be managed and will not have credentials tied to them (this was added in 1.13.0). Configuration operations only run for managed assets that have credentials. In order to take advantage of Configuration monitoring, please go to the Inventory tab of the <i>Neuron Management Portal</i>, select all assets in all tables (ctrl/shift + click works to select multiple entries), and then click the edit button at the top of the tab (✎). In the window that appears, check the “Manage Asset(s)” check box, then fill in the credentials for the assets and click OK or Apply.</p> <p>Please refer to the <i>Neuron Inventory Manager</i> and <i>Neuron Configuration Manager User’s Guides</i> for more details.</p>
2	<p>If upgrading <i>Halcyon Neuron Management Suite</i> from 1.10.0 or earlier, no virtualization information will have been discovered for any assets (this was added in 1.11.0). In order for Neuron Management Suite to display virtualization information and associations of assets (for instance, global zone to non-global zone associations), discovery will need to be re-run for those assets. This new discovery will discover any virtualization information and relationships and update the assets accordingly.</p> <p>Also be aware that many of the Configuration operations are specific to Zones and Oracle VMs for SPARC (LDOMs), thus this information must be discovered in order to take full advantage of Configuration monitoring.</p> <p>Please refer to the <i>Neuron Inventory Manager</i> and <i>Neuron Configuration Manager User’s Guides</i> for more details.</p>

Version: 1.15.0

Release Date: 2011-10-19

Enhancements

#	Description
1	Added custom rule engine for processing configuration thresholding rules for improved performance.
2	Added three new reports for checking configuration compliance: Summary Report, Asset Detail Report, and Metric Detail Report. These can be found in [LOCALDIR]/conf and are named configuration-summary-report.xsl, configuration-asset-detail-report.xsl, and configuration-metric-detail-report.xsl.
3	Example configuration for a configuration compliance report has been added to the snapshot example configuration file (see [LOCALDIR]/conf/snapshots-example.xml). When comparing snapshots in order to create a configuration compliance report the ID of the report must be specified. Configuration entries <code>recipient</code> , <code>subject</code> , <code>sender</code> , and <code>format</code> have been moved from element <code>snapshot</code> to the new element <code>report</code> .
4	In addition to comparing two configuration snapshots it is now also possible to compare current values with a baseline.
5	Added Cisco IOS Version and EnergyWise Role configuration metrics.
6	Added CPU Pool, CPU Cap, CPU Dedicated, CPU Dedicated Importance, and Mem Cap configuration metrics.
7	Current patch information for Solaris systems is stored in [LOCALDIR]/patchLists. The list of available patches is downloaded from the Oracle web site and stored in the same location.
8	Improved performance of EnergyWise queries.
9	Events are generated in case results of configuration operations have errors.
10	Configuration metrics display "Not Configured" instead of "NaN".
11	Threshold Editor displays thresholds in order of severity.
12	Background of Current Value is rendered in color of severity.
13	Close events for configuration thresholds include old value.
14	Email sent in response to a configuration threshold event better indicates source of event.
15	Event list and topology status are updated when refreshing data in Configuration Tab.
16	Added Update button to Configuration Tab for running configuration operations.


Bug Fixes

#	Description	Bug ID
1	Show/hide threshold columns results in table redraw errors.	HMF-3949
2	Header "View <type> Configuration" of Configuration Tab is clickable.	HMF-4034
3	Incorrect number of EnergyWise operational ports is reported.	HMF-4044
4	Configuration metrics for zones are updated even if the zone is down.	HMF-4058
5	Directory /tmp is filled with findMemCap_xxx.tmp files.	HMF-4059
6	Assets with unknown product and version show all metrics in UI.	HMF-4067

Known Issues

#	Description
1	None.

Upgrade Strategy

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2	<p>If upgrading <i>Halcyon Neuron Management Suite</i> from 1.10.0 or earlier, no virtualization information will have been discovered for any assets (this was added in 1.11.0). In order for Neuron Management Suite to display virtualization information and associations of assets (for instance, global zone to non-global zone associations), discovery will need to be re-run for those assets. This new discovery will discover any virtualization information and relationships and update the assets accordingly.</p> <p>Also be aware that many of the Configuration operations are specific to Zones and Oracle VMs for SPARC (LDOMs), thus this information must be discovered in order to take full advantage of Configuration monitoring.</p> <p>Please refer to the <i>Neuron Inventory Manager</i> and <i>Neuron Configuration Manager User's Guides</i> for more details.</p>

Version: 1.14.0

Release Date: 2011-08-24

Enhancements

#	Description
1	Editing of configuration thresholds is now performed in the Configuration Viewer for improved usability.
2	Tooltips and icons for disabled configuration metrics clearly explain the reason why they are not active.
3	Threshold columns in the Configuration Viewer are hidden by default for improved usability.
4	Configuration operations are run after startup in order to display up-to-date values.


Bug Fixes

#	Description	Bug ID
1	Static configuration metrics are not displayed in Configuration Viewer for assets that have only static metrics.	HMF-3873
2	List of available snapshots is cut off.	HMF-3874
3	Select Snapshot table columns are not resizable.	HMF-3875
4	Dedicated Memory for domains displays unit as part of value.	HMF-3891
5	The Last Updated time of configuration metrics might be incorrect.	HMF-3903
6	Configuration metric cannot be enabled after it was disabled.	HMF-3904
7	Capped Memory script does not remove temporary files.	HMF-3928
8	Removing thresholding rule does not purge the rule.	HMF-3929
9	Thresholding might not work for assets with multiple asset types.	HMF-3931
10	Thresholding rules are written to incorrect rule file.	HMF-3936
11	Values of snapshots with identical names are displayed incorrectly.	HMF-3955

Known Issues

#	Description
1	None.

Upgrade Strategy

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1	<p>If upgrading <i>Halcyon Neuron Management Suite</i> from 1.12.0 or earlier, any assets that were discovered will not be managed and will not have credentials tied to them (this was added in 1.13.0). Configuration operations only run for managed assets that have credentials. In order to take advantage of Configuration monitoring, please go to the Inventory tab of the <i>Neuron Management Portal</i>, select all assets in all tables (ctrl/shift + click works to select multiple entries), and then click the edit button at the top of the tab (). In the window that appears, check the "Manage Asset(s)" check box, then fill in the credentials for the assets and click OK or Apply.</p> <p>Please refer to the <i>Neuron Inventory Manager</i> and <i>Neuron Configuration Manager User's Guides</i> for more details.</p>
2	<p>If upgrading <i>Halcyon Neuron Management Suite</i> from 1.10.0 or earlier, no virtualization information will have been discovered for any assets (this was added in 1.11.0). In order for Neuron Management Suite to display virtualization information and associations of assets (for instance, global zone to non-global zone associations), discovery will need to be re-run for those assets. This new discovery will discover any virtualization information and relationships and update the assets accordingly.</p> <p>Also be aware that many of the Configuration operations are specific to Zones and Oracle VMs for SPARC (LDOMs), thus this information must be discovered in order to take full advantage of Configuration monitoring.</p> <p>Please refer to the <i>Neuron Inventory Manager</i> and <i>Neuron Configuration Manager User's Guides</i> for more details.</p>

Version: 1.13.1

Release Date: 2011-07-29

Enhancements

#	Description
1	Metric tables use improved layout for better usability.


Bug Fixes

#	Description	Bug ID
1	Static metrics might not be displayed in the Configuration View page.	HMF-3873
2	Not all snapshots are visible in the Select Snapshots dialog when font size has been changed.	HMF-3874
3	Columns in the Select Snapshots dialog are not resizable.	HMF-3875
4	Tooltip for disabled metric shows incorrect update time.	HMF-3903
5	No data is collected for metrics that have been reenabled.	HMF-3904

Known Issues

#	Description
1	None.

Upgrade Strategy

#	Description
1	<p>If upgrading <i>Halcyon Neuron Management Suite</i> from 1.12.0 or earlier, any assets that were discovered will not be managed and will not have credentials tied to them (this was added in 1.13.0). Configuration operations only run for managed assets that have credentials. In order to take advantage of Configuration monitoring, please go to the Inventory tab of the <i>Neuron Management Portal</i>, select all assets in all tables (ctrl/shift + click works to select multiple entries), and then click the edit button at the top of the tab (). In the window that appears, check the "Manage Asset(s)" check box, then fill in the credentials for the assets and click OK or Apply.</p> <p>Please refer to the <i>Neuron Inventory Manager</i> and <i>Neuron Configuration Manager User's</i></p>

Guides for more details.

- 2 If upgrading *Halcyon Neuron Management Suite* from 1.10.0 or earlier, no virtualization information will have been discovered for any assets (this was added in 1.11.0). In order for Neuron Management Suite to display virtualization information and associations of assets (for instance, global zone to non-global zone associations), discovery will need to be re-run for those assets. This new discovery will discover any virtualization information and relationships and update the assets accordingly.

Also be aware that many of the Configuration operations are specific to Zones and Oracle VMs for SPARC (LDOMs), thus this information must be discovered in order to take full advantage of Configuration monitoring.

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Version: 1.13.0

Release Date: 2011-06-30

Enhancements

#	Description
1	Retrieve and display configuration information for assets such as Solaris hosts, zones, and domains. Also supported are Windows hosts and some Cisco network devices. Thresholds for configuration metrics can be defined by the user. Events will be generated if a configuration metric exceeds these thresholds.
2	Create configuration snapshots and perform compliance checks against previous snapshots.
3	Display configuration snapshots in the Neuron Management Portal.
4	Added command-line utility ProcessSnapshots for creating, listing, and comparing snapshots. This utility can also be used to create, list, and delete schedules for creating and comparing snapshots.


Bug Fixes

#	Description	Bug ID
1	None. This is the first release of the Configuration Manager.	

Known Issues

#	Description
1	None.

Upgrade Strategy

#	Description
1	If upgrading <i>Halcyon Neuron Management Suite</i> from 1.12.0 or earlier, any assets that were discovered will not be managed and will not have credentials tied to them (this was added in 1.13.0). Configuration operations only run for managed assets that have credentials. In order to take advantage of Configuration monitoring, please go to the Inventory tab of the <i>Neuron Management Portal</i> , select all assets in all tables (ctrl/shift + click works to select multiple entries), and then click the edit button at the top of the tab (). In the window that appears, check the "Manage Asset(s)" check box, then fill in the credentials for the assets

and click OK or Apply.

Please refer to the *Neuron Inventory Manager* and *Neuron Configuration Manager User's Guides* for more details.

- 2 If upgrading *Halcyon Neuron Management Suite* from 1.10.0 or earlier, no virtualization information will have discovered for any assets (this was added in 1.11.0). In order for Neuron Management Suite to display virtualization information and associations of assets (for instance, global zone to non-global zone associations), discovery will need to be re-run for those assets. This new discovery will discover any virtualization information and relationships and update the assets accordingly.

Also be aware that many of the Configuration operations are specific to Zones and Oracle VMs for SPARC (LDOMs), thus this information must be discovered in order to take full advantage of Configuration monitoring.

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