

# Neuron Health 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 1, 10, 15 minute load average metrics for Solaris systems.
3	Added Current and Target ARC Size and ARC Hit Ratio ZFS metrics for Solaris 10 and later.
4	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.
5	In addition to specifying thresholds specific to individual assets, users can also copy thresholds from one asset to one or more other assets.
6	Allow the user to choose whether unlicensed metrics should be displayed (adjust via the Settings Manager).
7	Added metrics for monitoring systems running Linux 2.6 kernel.


## Bug Fixes

#	Description	Bug ID
1	The units displayed for Windows Page Table Entries and Available Space Mem metrics were incorrect.	HMF-4205
2	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
3	Solaris metrics could be affected by a rounding error.	HMF-4117
4	Solaris CPU Util metric could be affected by a parsing error.	HMF-4116
5	Solaris 11 CPU Util would not work because command sar no longer exists.	HMF-3485

## Known Issues

#	Description
1	There is currently no ability to take Health snapshots.
2	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 Health tab. The data will update and the table will size properly.

## 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). Health operations only run for managed assets that have credentials. In order to take advantage of Health 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 Health Manager</i> User’s Guides 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 Health operations are specific to Zones and Oracle VMs for SPARC (LDOMs), thus this information must be discovered in order to take full advantage of Health monitoring.</p> <p>Please refer to the <i>Neuron Inventory Manager</i> and <i>Neuron Health Manager</i> User’s Guides for more details.</p>

# Version: 1.15.0

Release Date: 2011-10-19

## Enhancements

#	Description
1	Added custom rule engine for processing health thresholding rules for improved performance.
2	System CPU Util has been renamed to CPU Util wrt Host System and CPU Util wrt Physical System for clarity.
3	System Mem Util has been renamed to Mem Util wrt Host System for clarity.
4	CPU Cap Util, CPU Pool Util, and Mem Cap Util have been removed. CPU Util and Mem Util display the current CPU and memory utilization, respectively, and take current values of configuration metrics CPU Pool, CPU Cap, CPU Dedicated, CPU Dedicated Importance, and Mem Cap into consideration.
5	Events are generated in case results of health operations have errors.
6	Threshold Editor displays thresholds in order of severity.
7	Background of Current Value is rendered in color of severity.
8	Close events for health thresholds include old value.
9	Email sent in response to a health threshold event better indicates source of event.
10	Event list and topology status are updated when refreshing data in Health Tab.
11	Added Update button to Health Tab for running health operations.


## Bug Fixes

#	Description	Bug ID
1	Show/hide threshold columns results in table redraw errors.	HMF-3949
2	Header "View <type> Health" of Health Tab is clickable.	HMF-4034
3	System CPU Utilization reports NaN when run on control domains.	HMF-4035
4	Health metrics for zones are updated even if the zone is down.	HMF-4058
5	Assets with unknown product and version show all metrics in UI.	HMF-4067

## Known Issues

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1	There is currently no ability to take Health snapshots.

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# Version: 1.14.0

Release Date: 2011-08-24

## Enhancements

#	Description
1	Retrieve and display health information for assets such as Solaris hosts, zones, and domains. Also supported are Windows hosts and some Cisco network devices. Thresholds for health metrics can be defined by the user. Events will be generated if a health metric exceeds these thresholds.


## Bug Fixes

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

## Known Issues

#	Description
1	There is currently no ability to take Health snapshots.

## Upgrade Strategy

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

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

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