

Sensor List

Batch Priorities High

Monitor for batch jobs executing at a high priority.

CPU and Memory Errors

Report CPU and memory errors, and pages on the bad page list. Errors indicate hardware problems requiring immediate attention.

CPU Saturation

Report CPU usage over specified thresholds. The overall CPU busy percentage is checked as well as the amount of kernel and interrupt mode time, and MP synch time.

Decnet Problems

Report DECnet buffer failures and packets lost. Problems with DECnet could result in loss of service to users.

Device Saturation

Report device I/O over a specified threshold. Saturated devices will degrade the system performance for users.

Disk Device Errors

Check for and report errors generated on any of the selected disk devices. These errors indicate hardware problems. Early detection will help prevent loss of data.

Disk State

Reports disks in abnormal states, preventing lost data and/or a system reboot.

Faults Total Rate

Reports page fault rate over a specified threshold. A very high page fault rate could degrade the performance of the system for the users.

Fragmented IO

Reports high split I/O and window turn rates. High split I/O and window turn rates are indicative of disk fragmentation problems that are having a negative impact on system performance.

High Priority Process

Reports processes executing at an elevated priority. The priority of a process is considered elevated if it is greater than DEFPR. High priority processes which use a significant amount of the CPU will degrade the performance of the system for the other users.

Idle Processes

Monitors for idle processes that waste memory and are a security risk on the system. Rule detects processes allowing termination via user action command procedure.

LAT Status

Monitors the existence of specified LAT nodes.

Looping Processes

Monitors for looping processes. A looping process can consume great amounts of CPU and prevent other users from getting the CPU time they require.

Memory Free Size Pct

Reports memory free percentage falling below a specified level. Insufficient free memory could greatly degrade system response time for users.

Misc Device Errors

Detects and reports miscellaneous device errors. Errors of this type are an indication of hardware problems.

Page File Space

Reports page file space falling below a threshold, which could lead to a slow or hanging system. This allows the creation of secondary page files, avoiding the problem.

Page File Space Critical

Reports page file space falling below a critical threshold.

Page File Space Low

Reports page file space falling below a threshold (but greater than or equal to the critical threshold defined for PAGE_FILE_SPACE_CRITICAL).

Pool Usage

Monitors paged and non-paged pool usage. As pool usage approaches boundaries, system performance and response will degrade for users.

Printer Device Errors

Reports printer device errors. Errors indicate hardware problems leading to invalid printouts or inability to print.

Process Count Problems

Checks process counts approaching capacity. Indicates if too many users are on the system, resulting in poor system performance and users being denied access.

Process Exists

Checks for the existence of the specified process. If a critical process does not exist, it can be detected and restarted via the user action command procedure.

Process Problem State

Reports processes in problem states. Detection of processes entering a suspended or resource wait state may indicate a lack of system resources or a poorly tuned machine resulting in lower levels of productivity.

Process Quotas Low

Reports processes approaching resource quota limits. If a process reaches a limit and needs more resources it will fail. This rule detects problems and allows for quota adjustments.



Heroix eQ Management Suite

VMS (Server & SLA)

Regular System Tasks

Performs system tasks. This rule is intended to execute tasks that need to be performed at regular intervals throughout the day. Each node in the cluster will execute this rule.

Remote Locks

Reports high levels of remote locking. High levels of remote lock activity can degrade system performance on both the local node and on the remote nodes involved.

Tape Device Errors

Reports tape device errors. These errors are an indication of hardware or media problems.

Tape Not Mounted

Checks for the specified tape drive to be mounted at the specified time. Backup procedures or other applications may be expected to be executing at particular times. This will allow for detection of the required application not having the necessary tape device mounted.

Terminal Port Usage

Monitors LAT port usage. The usage of particular ports may indicate a security breach or may simply be of security interest. For example, this rule may be used to monitor modem ports.

VMS Cpu Busy

Archives SLA statistics indicating whether the CPU busy percentage exceeds the degraded or failed thresholds, or not.

VMS Free Memory

Archives SLA statistics indicating whether the free memory percentage exceeds the degraded or failed thresholds, or not.

VMS Free Space

Archives SLA statistics indicating whether the disk free space percentage exceeds the degraded or failed thresholds, or not.

VMS Response Time

Archives SLA statistics indicating whether the response time exceeds the degraded or failed thresholds, or not.

VMS System Uptime

Archives SLA statistics indicating the system uptime.



www.heroix.com

Corporate Headquarters

120 Wells Avenue
Newton, MA 02459
tel: 800.229.6500 / 617.627.1550
fax: 617.527.6132
email: info@heroix.com

[Boston](#) ■ [New York](#) ■ [Atlanta](#) ■ [Chicago](#) ■ [Dallas](#) ■ [San Francisco](#)

Features and support may vary by platform. Heroix Corporation believes that the information in this document is accurate as of its publication date; such information is subject to change without notice. Heroix is not responsible for any inadvertent errors.

Heroix, the Heroix logo, and Heroix eQ are trademarks of Heroix Corporation. All other trademarks are property of their respective owners.

© 2003 Heroix Corporation. All rights reserved.