

Resource Availability & Performance Monitoring

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DART 6 – Memory Statistics

DART 6 reports memory utilization statistics for each of the following classes of memory:

- Physical memory
- Virtual memory
- Swap space

The following utilization statistics are reported:

- Total (KBytes)
- In use (KBytes)
- Percentage in use (%)
- Free (KBytes)
- Percentage free (%)

In addition, the following statistic is reported:

- Page reads per second

Note that memory utilization measurements are made at the time the DART is run. However, the "page reads per second" statistic must be averaged over a specific time period. That time period is one of the DART 6's configuration parameters, in Msec, with the default value set at 15000 Msec.

DART 6 can be used as an automated early warning system for low memory conditions. For page reads per second you can set a threshold that will trigger a DART log whenever page reads per second exceed it. This is recognized as one of the better indicators of degraded system performance due to low memory conditions.

In addition, for each type of memory monitored, users can set available memory thresholds as a percentage of the total amount of memory. When available memory falls below a threshold, a DART log is automatically created and uploaded to the log server. A support provider can then set up a notification that scans the log database every ten minutes and notifies him/her whenever a DART 6 log is found signaling a low-memory condition.

DART 95 – Logical Disk Statistics

DART 95 reports the following logical disk (drive letters) statistics:

- Total disk space (KBytes)

- Used (KBytes)
- Percentage used (%)
- (KBytes)
- Percentage free (%)

Note that all of these statistics are an instantaneous sample taken at the time the DART is run.

DART can be used to alert about high disk capacity utilization conditions thus averting problems that could cripple a system.

You can set a minimum free disk space threshold. If disk capacity falls below this threshold, DART 95 will instantly generate a log and send it to the log server where appropriately set notifications will generate an e-mail message for the designated support provider contact.

DART 96 – Processor Statistics

DART 96 reports processor statistics. Some of these statistics are available for both Windows NT (NT4, 2000, and XP) and Windows 9x (Windows 95/98/Me), and some are only available for Windows NT.

On both Windows NT and Windows 9x, the following statistic is reported:

- Processor utilization (%)
- On Windows NT only, the following statistics are reported:
 - Interrupt rate (per second)
 - Average queue length (items)

Note that all of these statistics must be averaged over a specific time period called Sampling Period. That time period is fixed for Windows 9x. For the Windows NT version, it's one of DART 96's configuration parameters.

DART 97 – Physical Disk Statistics

DART 97 reports physical disk statistics. These statistics are available only for Windows NT (NT4, 2000, and XP) systems. For each physical disk, the following statistics are reported:

- Percent busy time (%)
- Reads (per second)

- Writes (per second)
- Average queue length (items)

Note that all of these statistics must be averaged over a specific time period called the Sampling Period. That time period (in mSec) is one of DART 97's configuration parameters.

DART 98 – Network Statistics

DART 98 reports Network statistics. These statistics are available only for Windows NT (NT4, 2000, and XP) systems. For the entire local network, the following statistics are reported:

- Network utilization (%)
- For each network adapter, the following statistics are reported:
 - Bytes sent (per second)
 - Bytes received (per second)

Note that all of these statistics must be averaged over a specific time period called the Sampling Period. That time period (in mSec) is one of DART 98's configuration parameters.

DART 88 – Network Devices and Services Availability

DART 88 can be used to monitor the availability of all TCP/IP devices and services accessible from the local network. This DART generates a log only when a device or service it is configured to monitor fails to respond.

DART 88 supports ICMP and TCP/IP. The availability of devices you wish to monitor can be tested from one or more systems on the network eliminating dependence on a single point for monitoring network availability.

DART 231 – Client Heartbeat

DART 231 runs on a schedule you select and simply posts a log onto the ReSOFT server signaling that the ReSOFT client is running and functioning normally.

Coupled with a notification triggered by the non-occurrence of an event (i.e. configured with notification triggering threshold equal to 0 and the Restricted option enabled), it provides a reliable mechanism for monitoring the availability of systems on which the ReSOFT client is installed, and of the ReSOFT client itself.

To learn more about HandsFree Networks and our solution, visit www.handsfreenetworks.com, send us an e-mail or call



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