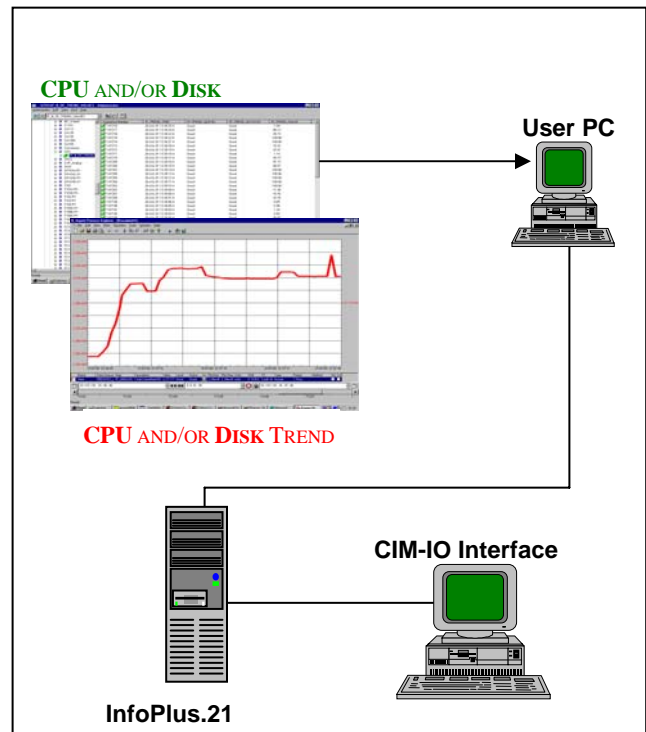




BluMHM Health Monitor

DESCRIPTION

BluMHM Health Monitor is a software technology for InfoPlus.21 performance and resource monitoring. This InfoPlus.21 layered application monitors various critical aspects of an InfoPlus.21 installation, typically InfoPlus.21 database resources and performance, as well as operating system resources and performance. Included is the means to monitor remote CIM-IO interfaces as well as the computer hardware that they reside on. Standard AspenTech User tools are used to view historical and current alarms, trends, reports and statuses of the various resources.



BENEFITS

BluMHM Health Monitor will ease the task of the InfoPlus.21 system administrator by enabling the remote monitoring of the InfoPlus.21 system resources and performance. This will not only prevent overlooking of important InfoPlus.21 resources but also will give real-time feedback of computer hardware performance and resources such as disk space, memory use, CPU usage etc. The functionality and information available takes the benefits beyond the simple task of maintaining the system by decreasing entire system down time related to insufficient hardware and software resources.

FEATURES

- Nobody needs to monitor any system on a daily basis. Once configured, the system will inform the Database Administrator when something goes wrong.
- Simplifies the way to monitor the health of an InfoPlus.21 system.
- Provides the means to monitor computer hardware resources that can jeopardize the functioning of the InfoPlus.21 system and remote CIM-IO interfaces.
- Easy and quick to install and configure.
- It is an InfoPlus.21 database resident application, meaning that standard InfoPlus.21 functionality like alarming, reporting etc, can be integrated and utilized along with the application. A layered product such as MailLink can for example be used to email alarms or events.
- Using Process Explorer or Web.21 a user can for example plot the CPU time, disk space and memory usage of the InfoPlus.21 computer or remote CIM-IO Servers.

FUNCTIONALITY

- The **BluMHM Health Monitor** is divided into three main sections namely:
 - Informational monitoring
 - Warning generation
 - Alarm logging.
- In the Informational section of the application, general information is given about the maximum number of allowed records and record counts.
- In the Warning section, counts of the available records and available words are given. A warning will be generated if a preset limit is exceeded concerning these parameters. The number of unusable tags and information concerning GET and PUT records will also generate warnings.
- If warnings were logged, information on all records with problems will be indicated.
- In the Alarm section, things like:
 - Disk space that approach a preset limit.
 - Problems in any of the repositories will trigger the logging of an Alarm.
 - Exact information of what is wrong is also indicated in the application and the Administrator can immediately react on the information.
- Additionally to the views of the application, a printed report may be generated on request.

SPECIFICATIONS

PLATFORMS

The **BluMHM Health Monitor** may be installed and used on any of the following platforms:

Company	Operating System	Product Code	Hardware
Microsoft	Win2000	APP-MHM-BLU-220-D01	Intel
Microsoft	WinXP	APP-MHM-BLU-220-D01	Intel
Microsoft	Win2003	APP-MHM-BLU-220-D01	Intel

HARDWARE AND SOFTWARE REQUIRED

The following Installed on an Intel Windows NT System:

- InfoPlus.21 version 6.01 or higher
- CIM-IO version 5.1 or Higher.
- At least the default snapshot. All additional records and definitions are supplied as part of the installation.

EXAMPLE DISPLAY

Following is an example display (The main display of the GUI.).

System Information

Host Name: JACOB5HVM1 ADO Data Source: SPAspen

Last Execute Timeout Limit: 18000 (1/10sec) 30 Min DB Time: 30-JUN-07 16:12:47.6

Connection to InfoPlus.21 Established

System Status : GOOD

Record Info

Maximum Number of records :	52049
Total Number of records :	5000
Number of Used Records :	2586
Number of Free records :	2414
Free Record Limit (%) :	25
Free Record Limit (Records) :	1250

Word Info

Maximum Number of Words :	4000000
Total Number of Words :	1000000
Number of Free Words :	282298
Free Word Limit (%) :	25
Free Word Limit (Words) :	250000

Scheduling

	Scheduling Time	Resched Interval
Gather Disk, Memory and CPU Info :	30-JUN-07 16:12:48.0	1.0 Seconds
Gather System Info :	30-JUN-07 16:12:52.0	5.0 Seconds
Scan for Errors :	30-JUN-07 16:12:49.0	5.0 Seconds

Error Information

Area Examined	Count	Status	Alarm Time
Available Disk Space	0	OK	30-JUN-07 16:12:39.0
CPU Usage	0	OK	30-JUN-07 16:08:24.8
Free Record Limit Reached	0	OK	30-JUN-07 16:11:26.0
Free Word Limit Reached	0	OK	30-JUN-07 16:08:15.6
Get Recs Out-Dated (Old)	1	OK	30-JUN-07 16:11:14.0
Get Recs with Bad Tags	4	OK	30-JUN-07 16:08:24.9
Get Recs with Status <> Success	1	OK	30-JUN-07 16:08:24.9
History Repositories	0	OK	30-JUN-07 16:08:24.8
Memory Usage	0	OK	30-JUN-07 16:08:24.8
Put Recs Out-Dated (Old)	0	OK	30-JUN-07 16:08:24.9
Put Recs with Bad Tags	0	OK	30-JUN-07 16:08:24.9
Put Recs with Status <> Success	0	OK	30-JUN-07 16:08:24.9
Queries Never been Executed	3	OK	30-JUN-07 16:08:24.9
Queries Out-Dated (Old)	4	OK	30-JUN-07 16:08:24.9
Queries in Read-Only Mode	0	OK	30-JUN-07 16:08:24.9
Queries with Error <> OK	7	OK	30-JUN-07 16:08:24.9
Snapshot Backup Errors	0	OK	30-JUN-07 16:10:29.5
Tags marked for Deletion	0	OK	21-NOV-01 10:48:02.5
Tags with Quality = Initial	0	OK	21-NOV-01 10:48:02.5
Tags with Quality = Req Failed	0	OK	21-NOV-01 10:48:02.5
Tags with Quality = Scan Off	0	OK	21-NOV-01 10:48:02.5
Tags with Quality = Unavail	0	OK	21-NOV-01 10:48:02.5

Navigation Bar: About Product | CPU Info | Disk Info | Memory Info | Gen Query Info | Repository Info | Snapshot Info | Error Gets | Error Puts | Error Queries | Unusable Recs | Refresh

FOR MORE INFORMATION

With complete solutions for applications and interfaces, BluESP (Pty) Ltd is prepared to serve your worldwide needs. Call BluESP (Pty) Ltd at +27-11-251-5947, or email our office at support@bluesp.co.ca.