Product Data Sheet

Features at a glance

Online monitoring of object status and performance

Alerting of down objects and performance bottlenecks

Historical reporting of system object status and performance

Simplified monitoring using a graphical user interface

Availability objectives monitoring

Interfaces to Open Enterprise Management gateway

Entity Definition Language

AutoASAP

Availability and Performance Monitor

Network, System and Application monitoring for NonStop Servers

ASAP and AutoASAP provide a uniquely integrated, extensible infrastructure for monitoring the availability and performance of HP *NonStop* systems, subsystems and applications. Information monitored by ASAP and AutoASAP includes operational status, performance and availability objectives.

AutoASAP allows HP, customer and vendor application statistics to become fully integrated with all ASAP client/server functions, with NO application source code changes.

Objects monitored by ASAP include (CPU, Disk, Expand, File, RDF, Spooler, Tape and TMF).

With AutoASAP, ASAP monitoring is extended to support (Business Views, Customer applications, Pathway Servers, Communication subsystems and much more). Object and application availability monitoring ensures service level agreements are being met.

Alerting of down objects and performance bottlenecks

State and performance icons guide you through detailed data about your system and application entities so you can quickly identify critical service level and performance conditions.
Increase in operator productivity by presenting a consolidated picture of object states and performance in easy-to-read graphics. It can highlight information that has exceeded thresholds, so operators can quickly identify and correct possible problems. The statistics displayed are continuously and automatically updated, so you always get the most current view of object and application states and performance.

Availability objectives Monitoring

The definition of service-level availability is dependent on a user 's point of view. Different users have different definitions of service-level availability. Also, a user 's definition of availability can change many times during the day. As a result, ASAP software must provide customization of availability and state propagation algorithms. ASAP and AutoASAP are designed to operate with these requirements in mind, to be able to instantly change its state determination rules based on a user 's relative notion of availability at any given moment.

These capabilities must be provided for both centrally administered policies, as well as for customized user availability definitions. ASAP software analyzes each object 's attributes, their state determination rules, their metric values, and compares those values with upper-and lower-bound service-level objectives. As each attribute is analyzed, it is assigned an availability vector, or state. Examples of such vectors or states might include "OK "or "Warning. "When all the attributes for an object have been analyzed, ASAP software can make an overall statement about the state of the object. Once the state of an object is determined, object states are propagated upward through the object class hierarchy for that object. ASAP software also allows customization of the presentation of an object 's availability state. The user defined icons and colors also address internationalization.

Historical reporting of system object status and performance

ASAP software creates a centralized Enscribe database of resources monitored in your network. This database contains current and historical normalized statistics about all applications and objects, which can be queried for historical trending of availability and performance data.

Interfaces to Open Enterprise Management gateway

The Open Enterprise Management (OEM) gateway provides the ASAP Client with an encapsulated interface layer to enterprise management frameworks, like TNG and Tivoli.

AutoASAP entities

AutoASAP-BusinessView – In one consolidated Customer-defined ASAP Business View, monitors Customer & Third party Application Availability and Performance, monitors Application specific Entities(Base24 Process, Line), monitors Application Transactions and Business metrics and monitors Application & Transaction Service Level Objectives. No Application Source Code Changes required. Supports Customer & Third-party Applications, such as Base24. Uses CustApp and BAM.

AutoASAP-CustApp - For Customer, third-party and HP applications; Application availability, performance, such as transactions per second (TPS) and resource usage (BUSY) statistics. No application changes are required. State reporting about the custom application is also provided, example "Low Cash", "Disconnected", "Timeout". Supports Base24 applications.

AutoASAP-ServerNet - Monitors ServerNet subsystem (SCSI, NIOC, COLO, IPC and RIPC) availability, performance and resource usage.

AutoASAP-Line - Monitors Communication Line subsystems (SNAX, X.25, etc) availability, performance and resource usage.

AutoASAP-File-Measure - Monitors Guardian and OSS file availability, performance and resource usage.

AutoASAP-Process-Measure - Monitors Guardian and OSS process availability, performance and resource usage.

AutoASAP-Pathway – Monitors Linkmon, TCPs and PathSend processes; Server Class availability, performance, such as (TPS) and resource usage (BUSY) statistics. State reporting about server classes, such as Frozen. Includes AutoASAP-ServerClass and AutoASAP-ServerClassApp.

AutoASAP-SQL - Monitors SQL/MP and SQL/MX Process and Statement availability, performance and resource usage.

AutoASAP-OSS - Monitors OSS elements in each CPU (POSIX extended segment (PXS), OSS file system cache, File manager, Pipe pool & Pipe server). Monitors operation & performance of OSS Name Servers.

AutoASAP-TcpIP - Monitors NonStop (TCP/IP) communication subsystem(Route, subnet and Lport) availability, performance and resource usage statistics. State reporting for TCP/IP subsystem is also provided.

AutoASAP-EMS - Monitors EMS Events generated by Applications, Systems, Networks and Tandem Sub-systems. Maintains EMS Event frequencies(Number of filtered event occurrences in last 5 minutes, last 30 minutes, last week or last year). Supports custom EMS Filters.

To see AutoASAP Views, please visit our Home Page www.TANDsoft.com

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