

DATA SHEET

SNMP-Subagent SM2 (BS2000)

Version 5.0

SNMP subagent for performance management

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SNMP subagent for performance management with SM2 in BS2000

For customers wanting to integrate BS2000 performance management with the software monitor openSM2 with an SNMP management platform, Fujitsu offers the product SNMP-Subagent SM2 (BS2000/OSD). The short name of the product is SSA-SM2-BS2. Using this product, the SNMP-Standard-Collection in BS2000 (and the basic functionality performance subagent it contains) is enhanced by a further subagent which offers considerably more functionality.

In combination with the SNMP-Basic-Agent, the SNMP-Subagent for SM2 in BS2000 serves to connect BS2000/OSD systems directly to a central management system for heterogeneous networks on the basis of the de facto protocol standard SNMP. It enables customers with large multi-vendor networks comprising heterogeneous systems to use SNMP for monitoring and control of the BS2000/OSD systems in the network from a central management platform (control center). In combination with the basic product SNMP-Basic-Agent BS2000 and the other subagents, it provides comprehensive management functions, from traditional network management through system and application management to the management of middleware.



Functional Description

The product SNMP-Subagent SM2 (BS2000/OSD) consists of a SNMP subagent that runs in BS2000/OSD. The subagent runs on top of the SNMP master agent for two reasons: to communicate with the management platform and to access the openSM2 program interface.

The SNMP subagent for SM2 in BS2000/OSD offers the following possibilities:

- read and write access to performance MIB objects,
- querying the current performance values of the BS2000/OSD system on which the subagent runs,
- modifying the openSM2 monitoring interval and monitoring cycle.

The SNMP subagent thus provides the following information:

- basic information on the product openSM2 itself such as
 - status of the subsystem, version,
 - length of the monitoring interval (can be modified) and random sampling cycle (can also be modified).
- the actual monitored values corresponding to the report groups of the product openSM2, including the performance values of the UTM applications which the UTM-openSM2

subsystem provides. The individual report groups then provide the following information:

- monitored values for CPU load,
- monitored values for IO activity (inputs/outputs),
- monitored values for main memory load and the virtual address space,
- monitored values for main memory occupancy using the four standard task categories,
- monitored values for input and output operations on peripheral devices during a monitoring interval,
- monitored values for application-specific data from UTM applications,
- monitored values for the consumption values of individual tasks.

In principle, the SNMP basic agent together with its SNMP subagents in BS2000/OSD can be connected to any management control center via the "open" SNMP protocol. The management platform recommended as the first priority is the CA Unicenter on Windows. This product offers all the options for integrating BS2000/OSD with its standardized private MIBs.

TECHNICAL DETAILS

SNMP-SUBAGENT SM2 (BS2000) V5.0

Technical requirement

Hardware

BS2000 Business Servers

Technical requirement

Software

Agent component:

For SNMP-Subagent SM2 V5.0:

SNMP-Basic-Agent BS2000 V5.0 or V6.0 or 6.1

BS2000/OSD-BC V2.0 or higher

SM2 V11.2 or higher or openSM2 V6.0 .

Operating mode

Dialog

Implementation language

C

User interface

German/English

Installation

By the user on the basis of the release notice and the user guide.

Documentation

User Guide

The documentation is available in the form of online manuals at <http://manuals.ts.fujitsu.com/mainframes.html>.

Demands on the user

Knowledge of the operation of SNMP management systems and product installation in BS2000/OSD.

Training

See course offer at:

<http://training-mediaserver.ts.fujitsu.com/elearningmedia/catalog>

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