Datasheet
Fujitsu Software BS2000
SM2-PA Version 2.0

FUJITSU

Program Analyzer

Topics

Product characteristic

The SM2 software monitor stores the task and program monitoring data requested by the user by means of the START-TASK-MEASUREMENT command in user-specific monitoring files which can be analyzed by all users with the aid of the tool SM2-PA. The output results are used for tuning application and system programs. In the case of task analysis, the most important performance characteristics of a user task are output. In the case of program analysis, SVC and program counter statistics can be requested, in which case the program counter states and SVC calls assigned to individual modules and to freely selectable address areas are supplied. If detailed statistics are required, the program counter and SVC call distribution within a given module can be determined. All statistics can be either output online or printed out in edited form.

Functional description

User task statistics
- All the important data pertaining to an user task (e.g. CPU time, elapsed time, number of I/O operations, SVCs, paging interrupts, working set, wait states) is recorded and output.

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Program counter statistics
- The program counter states recorded by the SM2 software monitor are assigned to the modules or freely selectable address areas of a program.

Program Description

The task and program monitoring data requested by the user by means of the START-TASK-MEASUREMENT command is stored in user-specific monitoring files. A user monitoring file may contain both different measurements for the same task (recorded at different times) and monitoring data for different tasks.

The monitoring file to be analyzed can be specified before or after the program is started. The relevant information relating to the contents of the monitoring file (modules, programs, or tasks measured) is displayed interactively in a screen mask. The tasks or programs can then be selected for analysis. The appropriate analysis statistics are started up by marking the required function in the menu bar.

In batch or procedure mode, the statistics are output in list format via SDF statements:
- User task statistics
- Program counter statistics
- SVC statistics

Technical Details

Requirements	
Technical Requirements Hardware	Fujitsu Server BS2000
Technical Requirements Software	OS DX V1.0 and OSD/XC V11.0 openSM2 V11.0 or V21.0
User Requirements	Knowledge of BS2000

Installation	
Operating Mode	Dialog and Batch
Implementation Language	C, Java, PHP
User Interface	EN/DE
Installation	See Release notes

Documentation and Training	
Documentation	SM2-PA User Guide See: **Manuals**
Training	See course offer (German): **Courses**

Purchase and Delivery	
Conditions	This software product can be purchased by the customer against a single payment or leased in accordance with the conditions for the use of software products.
Order and Delivery	This software product may be obtained from your local Fujitsu Technology Solutions GmbH regional office.

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