

SCA (BS2000/OSD) Version 16.0

Issue July 2007

Pages 2

Speed Catalog Access

To increase the overall throughput of an installation and to make data centers more flexible, the product SCA offers an efficient access method within the catalog management system, which leads to a considerable reduction in internal catalog access operations.

Thanks to the introduction of SCA a direct and rapid internal access is made possible. The benefit which can be derived from this method depends on the catalog organization (number of entries under one user ID) and the proportion of catalog-intensive processing in the system.

Functional Description

Whenever it is required, SCA can be included in the existing catalog system to replace the previous sequential access method by the direct access. Direct access to a structurally unchanged catalog is made possible by an index stored in memory that is set up at SCA-START time and dynamically updated.

Wherever intensive catalog processing is necessary, SCA offers a number of advantages in system behavior and data center organization:

- Increase of overall throughput by reducing the number of I/O access operations to the system catalog. Shorter waiting times, and reduction of the system workload as a result of catalog management.
- Reduction of public disk utilization corresponding to decrease in number of I/O operations.
- Improved response times for catalog-intensive commands, and better throughput times for catalog intensive programs.
- Greater leeway in assigning files to particular user IDs.
- Catalog reorganization becomes superfluous. Frequently accessed files need no longer be located at the beginning of a user ID.
- Facilitation of catalog organization when comprehensive applications are introduced on large installations.
- Full compatibility of the user interface and internal system interface with the catalog management system.
- Support of job variables with the software product JV (BS2000/OSD).
- The entry in the Master-Catalog-Entry enables the user to define the subset for which SCA is to be started during importation via IMCAT. This helps speed up the startup process considerably, in particular regarding the JV and JMS handling.
- To improve performance, additional facilities are offered for executing jobs without changing tasks. To this end, the SCA directories are filed in the class 4 memory.

Technical Data

Hardware

BS2000/OSD business server

Software

BS2000/OSD-BC V7.0

Operating mode

Interactive and batch mode

Implementation language

Assembler

User interface

Command interface for operators and system operators

Installation

According to User Guide

Documentation

User Guide

Introductory Guide to Systems Support

BS2000/OSD-BC V7.0

Training

See course offer at:

<http://www.fujitsu-siemens.com/training>

Demands on the user

Knowledge in systems administrations

Conditions

This software product is supplied to the customer under our conditions against a single payment or installments.

Ordering und delivery

This software product may be obtained from your local Fujitsu Siemens Computers regional office.