

JV (BS2000/OSD) Version 14.0

Issue July 2007

Pages 2

Job Variables

Job variables are data items which enable the exchange of information between individual users on the one hand, and between users and the operating system on the other. The user can both create and modify job variables himself, as well as instruct the operating system to set predefined values for selected job variables whenever certain events occur.

Job variables provide the user with a versatile tool for job control. They enable the simple definition of dependencies within complex production runs and provide the foundations for job processing based on eventing.

Job variables are data items managed by the operating system and addressed by means of names. Up to 256 bytes of information can be stored in each job variable. Job variables enable the exchange of information between individual users on the one hand, and between users and the operating system on the other. They can be accessed via both the command interface and the macro interface.

When component SDF of BS2000/OSD-BC is employed, job variables can be used as global parameters at command level.

By means of conditional statements it is possible to link job variables via logical operations and thereby make the execution of individual actions dependent on the fulfillment or non-fulfillment of the condition. Furthermore, user job variables and monitoring job variables offer the possibility of synchronous and asynchronous eventing on both command and program level.

Different types of job variables are available to meet the various requirements:

User job variables

User job variables are the most general form in which job variables are available. The user bears the sole responsibility for the name and life-span of these job variables, as well as for the data which is to be stored in them. User job variables can be supplied with protection attributes such as password, write protection and expiration date. Access can be restricted to a single user ID or authorized for all user IDs.

In conjunction with the software product SECOS access protection can alternatively be implemented via the basic access control list or via GUARDS. Furthermore, when working with SECOS, changing accesses to job variables can be logged using the security audit trail feature.

User job variables are particularly suited for the exchange of information, but can also be used for job control.

Monitoring job variables

Monitoring job variables are a special form of user job variable. These job variables are assigned to specific jobs or programs, and their name, life-span and protection attributes are defined by the user. They differ from user job variables, in that they are supplied by the operating system with fixed values providing information on the status of the assigned job/program.

Monitoring job variables are particularly suited for job control, as required, for example, for coping with dependencies in production runs.

Special job variables

Special job variables are the exclusive responsibility of the operating system, which both creates them and provides them with values. The user has read-only access to special job variables.

Special job variables offer the user situation-specific system information and enable effective handling of the control flow for the execution of command procedures.

The information supplied includes date and time, user, job and task, and various system-specific features.

A special JV exit is available for special job variables. This is activated when a special job variable with an unknown name is addressed. This enables BS2000 system administrators to implement their own special JVs.

Computer network

When used in conjunction with the software product HIPLEX® MSCF (HIPLEX Multi System Control Facility), the job variables are available on all computers in a function network. In conjunction of the products JV and HIPLEX MSCF the user is thus provided with all main functions for a network-wide job control and a user-controlled load-sharing network.

Programming at command level

The software product SDF-P considerably extends the scope for programming at command level. A close link with Job Variables is an important contributory element in this:

The SDF-P product uses job variables for permanent storage and monitoring of events. JVs can also be used in expressions computed by SDF-P. The output of JV SHOW-Commands can be directed in SDF-P S variables.

Technical Data

Hardware

BS2000/OSD business server

Software

BS2000/OSD-BC V4.0 and higher

Implementation Language

SPL, Assembler

User interface

Commands: English

Message texts: either English or German

Installation

By the user, on the basis of the Release Notice

Documentation

JV V14.0A (BS2000/OSD) Job Variables

User guide

Training

See course offer at:

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

Conditions

This software product can be purchased by the customer against a single payment or leased in accordance with our conditions for the use of software products.

Ordering and delivery

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