

Datasheet

Fujitsu Software BS2000 PROP-XT V1.3

Programmed Operating with SDF-P

PROP-XT (Programmable Operating – Extended Features) is used to carry out BS2000 administration functions automatically in the context of system management in the computer center.

The user creates his own administration procedures for the purpose, using the convenient BS2000 procedure language SDF-P including additional special PROP-XT system commands. In this way, for example, any number of complex reactions to defined system messages may be formulated. In technical terms, PROP-XT is realised as a privileged subsystem, and uses the UCON interface for programmed operators.



Topics

Functional Description - Programming Interface

PROP-XT presents the user with a programming interface to formulate his administration functions in so-called administration procedures (BS2000 S procedures), which, in turn, run in so-called administration processes (usually as BS2000 ENTER processes).

In addition to the BS2000 commands with the SDF-P language tool, PROP-XT system commands are also provided for the following tasks:

- Installing or removing administration processes and objects
- Defining/deleting events and waiting for events
- Communication with administrators and administration objects
- Testing administration procedures

Support is also provided for setting up user-defined commands (using SDF-A and command-processing administration procedures).

One important purpose of administration procedures is the definition of automatic reactions when certain events occur. A number of types of events are distinguished:

- Message event (receipt of a specific message)
- Command event (input of a user-defined command)
- Job variable event (setting a specific job variable)
- Time event (time/interval)

An administration procedure can be exchanged during operation without loss of events.

PROP-XT also provides the user with a testing system with which he can test the administration procedures created by him without affecting realtime operation.

Functional Description - Administration Interface

As well as the system commands for the programming interface, PROP-XT contains a number of additional commands used for administration purposes. These are realised as special operator commands, and as such can be entered by an administrator in the same way as other operator commands at physical and logical consoles (e.g. OMNIS terminals). The commands are used to perform the following functions:

- Description of administration objects
This defines an administration object. In addition to the OPERATING type, which serves to administrate the BS2000 system itself, incl. all subsystems with operator interfaces (e.g. PROP-XT), DCAM and UTM administration objects are also supported. The only prerequisite for this is that the applications to be administered offer a line-oriented administration interface. The administration objects need

not be in the local computer; they may also be distributed in a computer network. In this way it is possible to implement models for different uses. For example, several BS2000 computers can be administered via a central PROP-XT application, or alternatively cooperating applications can be created within the computer network.

- Obtaining information
Global PROP-XT parameters and data, specified standard actions, the registered administration processes, and the administration object descriptions in the database, can be queried in this way.
- Defining simple administration functions
Used to define an automatic reaction to an administration event (e.g. response to a console message), without the need for an administration process.
- Controlling PROP-XT
Used to define central resources and terminate administration processes.

In addition, the administrator may also enter user-defined commands (see above) which are also realised as special operator commands.

PROP-XT does not provide any special management functions for the administration process, rather it allows them to be managed as normal BS2000 jobs using standard methods. PROP-XT enables the administration processes continue operating during the summer/winter time change. PROP-XT ensures adherence to the general BS2000 data protection standard through the consistent use of UCON authorisation checks for logical consoles. With the (optional) use of SECOS, the special privilege PROP-ADMINISTRATION, which is normally only held by the system administrator, may be granted to other users.

Technical details

Requirements

Technical requirements Hardware	Fujitsu Server BS2000 SE Serie
Technical requirements Software	Fujitsu Software BS2000 OS DX V1.0 or OSD/XC V11.0B Fujitsu Software BS2000 SDF-P ab V2.5 Optional: - Fujitsu Software BS2000 SDF-A - Fujitsu Software BS2000 SECOS
Requirements for the user	Knowledge of BS2000

Installation and operation

Operating mode	Dialog and batch mode
User interface	Commands in English, Message texts in German/English (optional)
Installation	By the customer according to the User Guide and Release Notice

Documentation and training

Documentation	The manual and release notices for PROP-XT are available on the manual server .
Training	See course offer (German)

Reference and delivery

Conditions	This software product can be leased by the customer in accordance with the conditions for the use of software products.
Ordering and delivery information	The software product can be obtained from your local Fujitsu regional office.

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