

Datasheet

Fujitsu Software BS2000

TIAM V13.3

Terminal Interactive Access Method

TIAM is the access method for interactive mode.

The dialog between the terminal user and the computer consists of a spontaneous, non-prestructured sequence of commands taken from the command language of the operating system.

These commands, which are input directly at the terminal in interactive mode, enable the following functions (among others) to be performed:

- file editing,
- sorting,
- compiling and interactive program testing
- initiation of batch jobs,
- activation of different character sets,
- display and modification of terminal characteristics.

Even user-written programs can be executed in interactive mode. They are started from the terminal by a command. The relevant macro instructions, COBOL-CALL calls, and FORTRAN, PL/I and C interfaces are available at the program interface for terminal input and output, including the handling of 'logical' terminals. Interactive operation is possible with all processors with BS2000 in the computer network from one terminal.



Topics

Functional Description

TIAM receives connection requests from the terminal, initiates a separate task for each connection (i.e. for each terminal), clears the connection down at the request of the terminal user, and releases the resources.

In connection setup, the terminal operator enters the user ID, account number and password (not displayed). TIAM checks the validity of these details and rejects unauthorized connection requests.

The terminal user operates TIAM in system mode or program mode. Switching between these modes is possible at any time.

In program mode the terminal user communicates exclusively with a program which he has called (EXEC or LOAD command).

In system mode, the terminal operator works directly with the system with the help of the BS2000 command language.

Commands are available

- for controlling task execution,
- for processing files,
- for reserving devices and data media,
- for controlling task execution,
- for querying current values,
- for operating terminals,
- for displaying the characteristics of the terminal, and
- for modifying the logical attributes of the terminal.

TIAM requests the user to enter further information by means of a prompting message.

TIAM provides the application programmer with simple program calls for controlling input/output, for changing and defining terminal attributes, and for querying process attributes.

In conjunction with VTSU-B or FHS, TIAM provides terminal support at logical level in the form of the logical line/page terminal or the logical format terminal.

Interactive access in accordance with POSIX is possible.

Technical details

Requirements

Technical requirements Hardware	Fujitsu Server BS2000 SE Serie Supported Terminals: emulated terminals of the 9750 family (Terminal type 9748 to 9763 - 7-bit, 8-bit, Unicode)
Technical requirements Software	BS2000 OS DX V1.0
Requirements for the user	Knowledge of BS2000

Installation and operation

Operating mode	Dialog
Implementation language	SPL, Assembler
User interface	Commands in English, message texts in German/English (optional)
Installation	According to User Guide

Documentation and training

Documentation	The manual and Release Notice for TIAM are available on the manual server .
Training	See course offer (German)

Reference and delivery

Conditions	TIAM is made available to the customer as part of the BS2000 OS DX V1.0 operating system package under the conditions for the use of software products against current payment.
Ordering and delivery information	TIAM is part of the BS2000 OS DX V1.0 operating system package. The operating system package can be obtained from your local Fujitsu

Contact

Fujitsu
 BS2000 Services
 Email: bs2000services@fujitsu.com
 Website: www.fujitsu.com/emeia/bs2000
 2022-06-30 EM EN

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