

# Fujitsu Software BS2000 SORT V8.0

## Sort/Merge Routine

## Topics



### Product characteristic

SORT is an efficient sort / merge routine for

- Sorting records of one or more input file(s) according to criteria defined by the user (SORT function),
- Merging of records of multiple sorted input files into a single output file (MERGE function).

### Functional description

SORT provides the following main functions:

- Flexible control language with simplified notation (abbreviations, free selection between positional and keyword parameters).
- Selection of sort procedure dependent upon resources used (work and help files).
- Use of existing collating sequences of any kind in the record set to be sorted, based on the domino procedure.

- Main memory sort without work file(s) if allocated memory is sufficient.
  - Presort with virtual merge.
  - Maximum 99 input files.
  - Simple recoding of input data.
  - Full, selective and address list sort.
  - DIN standard-oriented text sort.
  - Three-step sort of UTF-16 fields complying with the Unicode Standard:  
[Unicode – The World Standard for Text and Emoji](#)
  - Record format conversions and record length changes.
  - Exclusion or inclusion of records when sorting via logically combinable relations.
  - Suppression of sort fields on output.
  - Setting of a century window for sorting two-digit year values.
  - Compression and reduction of the records to be sorted via sum fields.
  - Insertion of freely selectable constants during selective sorting.
  - Retention of input sequence for records with the same sort terms.
  - Control of logging and user monitoring.
  - Writing checkpoints.
  - SORT access method for user-friendly macro sort calls by user programs, with macro provision corresponding to the control statements.
  - 12 user exits for label checking, processing of input/output records, etc.
  - Option of intervention dialog via terminal.
  - Modifiable preset values.
  - Processing of POSIX files.
  - Possibility to sort/merge up to  $2^{63}$  records.
- SORT can also be called as a subroutine, with optional performance optimisation in case of very frequent calls.

# Technical Details

## Requirements

<b>Technical Requirements Hardware</b>	BS2000 Business Server
<b>Technical Requirements Software</b>	BS2000 OS DX V1.0 and OSD/XC V11.0
<b>User Requirements</b>	Knowledge of BS2000

## Installation

<b>Operating Mode</b>	Interactive and batch mode
<b>Implementation Language</b>	SPL, Assembler, C
<b>User Interface</b>	Statements, English Message texts, English/German (optional)
<b>Installation</b>	By the user, in accordance with the user guide

## Documentation and Training

<b>Documentation</b>	SORT User guide See <a href="#">Manuals</a>
<b>Training</b>	See course offer (German) at: <a href="#">Courses</a>

## Purchase and Delivery

<b>Conditions</b>	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.
<b>Order and Delivery</b>	This software product may be obtained from your local Fujitsu Technology Solutions GmbH regional office.

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