

# Datasheet

## Fujitsu BS2000/OSD OSD/XC Version 9.0 Software

### Operating System BS2000/OSD Extended Configuration

Fujitsu OSD Extended Configuration OSD/XC is the Fujitsu BS2000/OSD operating system package for the SQ series business servers. OSD/XC comprises the operating system BS2000/OSD-BC and several system support software products.

OSD/XC V9.0 includes the current version, BS2000/OSD-BC V9.0, ported to the SQ servers based on Intel x86 architecture. OSD/XC unlocks unlimited BS2000/OSD functionality for the SQ business server class. Existing customer applications run as object-compatible code on the SQ business servers under OSD/XC.

The SX business servers are only available with OSD/XC V4.1 (OSD/XC V8.0).

OSD/XC supports all sets of functions relevant to data center operation and business-critical computing:

- Advanced, mainframe-typical workload management for interactive dialog and batch loads,
- Wide scalability of processor performance, memory and I/O bandwidth,
- Automation of data center operation and data center operating processes possible,
- Ability to run open applications,
- Support for backup scenarios.

In version V9.0 the OSD/XC package consists of the following software products:

Functional area	Product name	Version
Operating system	BS2000/OSD-BC	V9.0
Communications	openNet Server	V3.5
	TIAM	V13.2
Job scheduling	JV	V15.1
Performance management	SCA	V18.0
Print management	RSO	V3.6
Programming systems	CRTE	V2.9
	EDT	V17.0
Storage management	ARCHIVE	V9.0B
	HSMS	V9.0B
Utilities	LMS	V3.4
	PERCON	V2.9
	SORT	V7.9

# Features and benefits

Main features	Benefits
<b>OSD-BC V9.0:</b> <b>Extended storage integration</b> <ul style="list-style-type: none"><li>■ Net-Storage: BS2000 files on NAS storage</li><li>■ Integration of Fujitsu ETERNUS DX clone and snap functions based on SHC-OSD</li></ul>	<ul style="list-style-type: none"><li>■ Additional storage for performance-uncritical data and access to common used data at the original by inhomogeneous applications</li><li>■ Further storage system Fujitsu ETERNUS DX including replication function available from BS2000</li></ul>
<b>Scalability / Performance</b> <ul style="list-style-type: none"><li>■ High-performance support of the SQ servers with higher Multi Processor level</li><li>■ Extension and simplification of PAV functionality</li></ul>	<ul style="list-style-type: none"><li>■ Optimized performance on SQ servers</li><li>■ Greater flexibility and optimization of disk I/O</li></ul>
<b>Manageability / Ease of Use</b> <ul style="list-style-type: none"><li>■ Adaptation of the SHOW and MODIFY commands and</li><li>■ New EDIT commands</li><li>■ Extended mail interface in BS2000/OSD</li></ul>	<ul style="list-style-type: none"><li>■ Simplified finding of appropriate commands;</li><li>■ Pre-allocation of operand values relieves the input of commands</li><li>■ Emails from within system processes also for library elements and PDF files</li></ul>
<b>Automation / Dynamization</b> <ul style="list-style-type: none"><li>■ Online SNAP file configuration</li><li>■ Online update of the change dates for summer and winter time</li></ul>	<ul style="list-style-type: none"><li>■ Activation/deactivation of snapshot process in the ongoing session</li><li>■ Modification of change dates without interrupt operations</li></ul>
<b>Openness and Integration</b> <ul style="list-style-type: none"><li>■ New POSIX version including NFS connection of the BS2000 file system</li></ul>	<ul style="list-style-type: none"><li>■ Simplified access to BS2000 file from open systems</li></ul>
<b>Business Servers and Peripherals - Innovations</b> <ul style="list-style-type: none"><li>■ Support of future SQ server generation</li><li>■ LTO-5 magnetic tape devices and LTO-5 drive encryption (in connection with MAREN V12.0) for S and SQ servers</li></ul>	<ul style="list-style-type: none"><li>■ Support of defined scenarios for High Availability and Live Migration</li><li>■ Most recent tape technology is available with BS2000/OSD.</li></ul>

# Topics

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## Description of the Product Characteristics

### CRTE

- CRTE is the shared runtime system for COBOL2000, COBOL85 and C/C++ programs and includes language-specific and cross-language libraries.

### EDT

- EDT is the BS2000/OSD file editor permitting easy creation and editing of standard BS2000/OSD files in SAM and ISAM format as well as text-like library elements and POSIX files.

### HSMS/ ARCHIVE

- HSMS is the Hierarchical Storage Management System of BS2000/OSD. It provides an extensive set of functions for the protection, archiving and migration of BS2000 data. HSMS includes the ARCHIVE backup product with its full functionality.

### JV

- JV (Job Variables) is a flexible tool for user-based job control. It allows easy definition of the dependencies between complex production routines and forms the basis for event-driven job processing.

### LMS

- LMS is the BS2000/OSD library management system for creating and managing program libraries and processing the elements contained in them. In this way LMS supports program development, as well as the maintenance and documentation of the resulting programs.

### openNet Server

- openNet Server provides the basic communication functions for networking BS2000/OSD systems. IDCAM, ICMX and Sockets programming interfaces are also included.

### PERCON

- PERCON offers an extensive range of functions for transferring and converting data between files and between data media of the same or different types.

### RSO

- RSO (Remote Spool Output) is an add-on product to the central BS2000/OSD Spool system, enabling printouts to be routed to local printers in the LAN (host-to-LAN printing) or TRANSDATA network.

### SCA

- SCA optimizes file catalog accesses, considerably enhancing the I/O throughput of a system.

### SORT

- SORT is an efficient sort/merge utility for sorting records of input files in accordance with set order criteria and for merging the records of multiple sorted input files into a single output file.

### TIAM

- TIAM is the remote data processing access system for interactive operation.

# Technical details

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## Technical details

<b>Technical Requirements Hardware</b>	BS2000/OSD Business Server SQ 100, SQ 200 and successors
<b>Technical Requirements Software</b>	None
<b>Operating mode</b>	Interactive (dialog), transaction and batch mode
<b>Implementation language</b>	Assembler, SPL, C++
<b>User interface</b>	Commands in English, message texts in German/English
<b>Installation</b>	By the customer according to the release notice
<b>Documentation</b>	<p>Following manuals are available to BS2000/OSD V9.0</p> <p>Product manuals (English/German) for the products included in the package, plus</p> <p>English: SQ Series Business Servers: Operation and Administration and the Quick Guide</p> <p>German: Business Server der SQ-Serie: Bedienen und Verwalten, sowie die Kurzanleitung</p> <p>See also: Datasheet of BS2000/OSD-BC V 9.0: <a href="http://ts.fujitsu.com/products/bs2000/software/os/bs2000osd/index.html">http://ts.fujitsu.com/products/bs2000/software/os/bs2000osd/index.html</a></p>
<b>Training</b>	<p>See course offer at: <a href="http://ts.fujitsu.com/training">http://ts.fujitsu.com/training</a></p>
<b>Demands on the user</b>	Knowledge of BS2000/OSD
<b>Conditions</b>	This software product is supplied to the customer subject to the relevant conditions against installments.
<b>Ordering and delivery</b>	This software product may be obtained from your local Fujitsu Technology Solutions GmbH regional office.

# More information

## Fujitsu platform solutions

In addition to Fujitsu BS2000/OSD/XC, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

### Dynamic Infrastructures

With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure-as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

### Computing products

#### Computing products

[www.fujitsu.com/global/services/computing/](http://www.fujitsu.com/global/services/computing/)

- PRIMERGY: Industrial standard server
- SPARC Enterprise: UNIX server
- PRIMEQUEST: Mission-critical IA server
- ETERNUS: Storage system
- BS2000/OSD mainframes

### Software

[www.fujitsu.com/software/](http://www.fujitsu.com/software/)

- Interstage: Application infrastructure software
- Systemwalker: System management software

## More information

Learn more about Fujitsu BS2000/OSD/XC, please contact your Fujitsu sales representative, Fujitsu business partner, or visit our website.

[http://ts.fujitsu.com/products/bs2000/software/os/bs2000osd/osdxc\\_v9.html](http://ts.fujitsu.com/products/bs2000/software/os/bs2000osd/osdxc_v9.html)

## Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to resolve issues of environmental energy efficiency through IT. Please find further information at:

<http://www.fujitsu.com/global/about/environment/>



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## Contact

FUJITSU Technology Solutions GmbH  
Address: Domagkstraße 28, 80807 Munich, Germany  
E-mail: [bs2marketing@ts.fujitsu.com](mailto:bs2marketing@ts.fujitsu.com)  
Website: <http://ts.fujitsu.com/bs2000>  
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