

FUJITSU Software BS2000 SESAM-DBAccess

Version 9.1
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Release Notice

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CONTENTS

1 General	3
1.1 Ordering	3
1.2 Delivery	4
1.3 Documentation	5
2 Software extensions	6
3 Technical information	7
3.1 Resource requirements	7
3.2 Software configuration	7
3.3 Product installation	7
3.3.1 Installing the SESAM-DBAccess Server	7
3.3.2 Installing the SESAM-DBAccess Client	8
3.4 Product use	8
3.4.1 Using the SESAM-DBAccess Server	8
3.4.2 Using the SESAM-DBAccess Client	8
3.5 Obsolete functions and those to be discontinued	8
3.6 Incompatibilities	8
3.7 Restrictions	8
3.8 Procedure in the event of errors	8
4 Hardware requirements	9

1 General

This Release Notice describes the main extensions, dependencies and operational instructions for SESAM-DBAccess V9.1A which runs under the BS2000 operating system.

The database access service SESAM-DBAccess provides its users with access to SESAM/SQL databases under BS2000. It offers its services via the JDBC interface of SESAM-DBAccess clients under every OS, in which a JavaVM runs (e.g. Microsoft Windows, UNIX, BS2000, etc.) from Java applications of every kind (applications, servlets, JSP, applets, etc.). On the other side it enables the access via the ADO.NET interface for the SESAM-DBAccess clients under every OS supporting applications with the ADO.NET interface. From the viewpoint of the user, the SESAM-DBAccess Server has the task of mapping the DB requests issued by the client onto the real interfaces of the SESAM/SQL database system. The SESAM-DBAccess Server processes requests from multiple client users that are independent of each other and work on one or more computers.

SESAM-DBAccess V9.1 is the follow-up version of SESAM-DBAccess V9.0.

The content of the Release Notice corresponds to the status of the general delivery release.

This and other current release notices are available on the SoftBooks DVD and online under <http://manuals.ts.fujitsu.com/>.

If one or more versions are skipped as a result of this product version, the information in the Release Notices for the previous versions must also be taken into account.

1.1 Ordering

SESAM-DBAccess is a component part of the SESAM/SQL database system and can only be ordered together with this via your local sales office. If you are already using an older version of SESAM/SQL, you only have to order the latest correction version of this product which includes SESAM-DBAccess.

The general terms and conditions as defined in the contract for licensing and using software products apply for these products.

1.2 Delivery

The SESAM-DBAccess V9.1A files are supplied together with the SESAM/SQL database system via SOLIS. The delivery includes the following files:

File	Description
SYSSII.SESDBA.091	Structure and installation file for the Release Unit SESDBA
SYSDAT.SESDBA.091.EBCASC	Table for converting EBCDIC to ASCII
SYSDAT.SESDBA.091.INIT	Initialization file
SYSFGM.SESDBA.091.D	Reference to the Release Notice (German) in PDF format
SYSFGM.SESDBA.091.E	Reference to the Release Notice (English) in PDF format
SYSLIB.SESDBA.091.PROCLIB	Library of procedures and masks
SYSTEMS.SESDBA.091	Messages file
SYSOML.SESDBA.091	Module library
SYSPRC.SESDBA.091.USER	Procedure for creating the user file
SYSSSC.SESDBA.091.DBA	Declaration for subsystem SESDBA

The driver software of SESAM-DBAccess Client is on the included CD for customers „SESAM/SQL V09.1 Tools and Drivers for Windows“ in the following directory:

\DBAccess\Client.

The current versions of the driver of SESAM-DBAccess client can also be found at:

<http://www.fujitsu.com/fts/products/computing/servers/mainframe/bs2000/software/db/sesamsql>

1.3 Documentation

The BS2000 documentation is available in German and English on DVD with the title BS2000 SoftBooks.

The documentation is also available as online manuals under <http://manuals.ts.fujitsu.com>.

The manuals may be supplemented with README files. These contain changes and extensions to the manual of the product concerned. The file names are made up as follows:

SYSRME.<product>.<version>.D (file with German text)
SYSRME.<product>.<version>.E (file with English text)

When printing the files, you should specify the CONTR-CHAR=EBCDIC operand in the PRINT-FILE command.

The ReadMe file for SESAM-DBAccess Client is also supplied in html format on the CD for customers „SESAM/SQL V09.1 Tools and Drivers for Windows“, in the following directories:

Client	Directory
jdbc	DBAccess\client\jdbc
ADO.NET	DBAccess\client\ADO.NET
PHP/PDO	DBAccess\client\pdo

2 Software extensions

The following sections describe the main new features compared to the previous version V9.0. There is an overview in the introductions contained in the new manual versions; there is a list of manuals and sections where the changes are described.

- Encryption between client and DBA server:
SESAM-DBAccess as of V9.1 provides the possibility to encrypt the communication between DBA server and client (JDBC, ADO.NET und PDO). Hereby the SSL standard is used.
- Synchronisation DBA server with socketpairs:
As of SESAM-DBAccess V9.1 the synchronisation of tasks of the DBA server with each other is done with socketpairs.
This is only an internal measure to improve the resilience of the DBA server.

3 Technical information

3.1 Resource requirements

SESAM-DBAccess V9.1A can be used on all central processors with a virtual address space of at least 16 MB. Approximately 3000 PAM pages of storage space are required on the hard disk for the installation files.

3.2 Software configuration

SESAM-DBAccess V9.1A works with the following SW product versions:

If no version is explicitly specified for a product, the version is assumed which is supplied with the respective OSD package (of the respective operating system version) as a technically coupled or uncoupled release.

Required operating system version, depending on the HW architecture:

BS2000/OSD	as of V10.0	for HW line /390 (S line)
OSD/XC	as of V10.0	for HW line X96 (SQ line)

Other software required for production operations:
(Versions according to the software configuration list BS2000/OSD V10.0)

CRTE	as of V10.0
SESAM/SQL	as of V9.1

When using the JDBC interface SESAM-DBAccess requires the following on the client side:

JRE	ab V1.6
(JDBC)	ab V4.0)

When using the ADO.NET interface SESAM-DBAccess requires the following on the client side:

.NET	ab V3.5
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When using PHP/PDO in the PHP client environment (LINUX):

PHP	as of V5.3.8
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3.3 Product installation

3.3.1 Installing the SESAM-DBAccess Server

SESAM-DBAccess must be installed using the installation monitor IMON. When installing the product, the information in the Release Notice, the installation information in the delivery letter and in the product manual must all be taken into consideration.

If required, the subsystem SESDBA of SESAM-DBAccess V9.1 can be started at the end of the installation.

3.3.2 Installing the SESAM-DBAccess Client

All information needed for installing the client is described in the ReadMe file which is included on the supplied CD for customers „SESAM/SQL V09.1 Tools and Drivers for Windows“ in the form of an html file.

3.4 Product use

3.4.1 Using the SESAM-DBAccess Server

The operation of the SESAM-DBAccess server is controlled by start parameters. These start parameters are stored in an initialization file with the name SYSDAT.SESDBA.091.INIT. They are described in the manual "SESAM-DBAccess V9.1A Server-Installation, Administration".

3.4.2 Using the SESAM-DBAccess Client

All information needed for operating the client is described in the ReadMe file.

3.5 Obsolete functions and those to be discontinued

None

3.6 Incompatibilities

The client of SESAM-DBAccess V9.1A will only work with the server of SESAM-DBAccess V9.1A.

3.7 Restrictions

None

3.8 Procedure in the event of errors

DBAccess error messages are to be accompanied by an exact description of the error and the following documentation:

- DBAccess (BS2000) user log file (trace file)
- SYSOUT logs
- Trace log of the driver manager (client)

4 Hardware requirements

SESAM-DBAccess V9.1 runs on all business servers supported by BS2000 as of OSD/BC V10.0 or OSD/XC V10.0.

5 Firmware levels

This section is not relevant for SESAM-DBAccess.