



Fujitsu Siemens Computers GmbH

S E S A M - D B A c c e s s (JDBC)

Version 5.0A
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R e l e a s e N o t i c e

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1 General

SESAM-DBAccess (JDBC) V5.0A

BS2000/OSD

Database service

This Release Notice is a summary of the major extensions, requirements and operating information with regard to SESAM-DBAccess (JDBC) V5.0A which runs under the BS2000/OSD operating system.

To print this file use

```
/PRINT-FILE FILE-NAME=SYSFGM.SESDBA.050.E,-  
          LAYOUT-CONTR=PAR(CONTR-CHAR=EBCDIC)
```

The database access service SESAM-DBAccess (JDBC) provides its users with access to SESAM/SQL databases under BS2000/OSD.

It offers its services via the JDBC interface of SESAM-DBAccess (JDBC) Client under Windows, UNIX or BS2000/OSD from a Java application or a Java applet.

From the viewpoint of the user, the SESAM-DBAccess (JDBC) 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 (JDBC) Server processes requests from multiple client users that are independent of each other and work on one or more computers. Version 5.0A supports the SESAM/SQL database system as of V5.0A.

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1.1 Ordering

SESAM-DBAccess (JDBC) 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 (JDBC).

1.2 Delivery

The SESAM-DBAccess (JDBC) V5.0A files are supplied together with the SESAM/SQL database system via SOLIS.

The delivery includes the following files:

File	Description
SYSDAT.SESDBA.050.EBCASC	Table for converting EBCDIC to ASCII
SYSDAT.SESDBA.050.INIT	Initialization file
SYSFGM.SESDBA.050.D	Release Notice (German)
SYSFGM.SESDBA.050.E	Release Notice (English)
SYSLIB.SESDBA.050.PROCLIB	Library of procedures and masks
SYSMES.SESDBA.050	Messages file
SYSOML.SESDBA.050	Module library

SYSPRC.SESDBA.050.USER Procedure for creating the user file

The SESAM-DBAccess (JDBC) Client is on the included CD "SES/SQL-SE V5.0A" "Tools and Drivers for Windows", in the following directory:

 \DBACCESS\JDBC_050\CLIENT\LIB.

The README file for SESAM-DBAccess (JDBC) Client (readme.html) and the manual for SESAM-DBAccess (JDBC) Server (jdbc_sv.pdf) are also on the supplied CD, in the following directories:

 \DBACCESS\JDBC_050\CLIENT\DOC and

 \DBACCESS\JDBC_050\SERVER\DOC.

1.3 Documentation

The client and server manuals required for working with SESAM-DBAccess (JDBC) are on the included CD (see above). These manuals are in the form of PDF files and the Adobe Acrobat Reader is required to read them. This is also on the CD in the \AcrobatReader5 directory.

The file ar500enu.exe is a self-extracting .EXE file which extracts the files needed for installation in the subsequently requested directory when it is called. Approximately 7.4 MB storage space is required after installation.

In addition to these user manuals, the manuals of the SESAM/SQL database system used and the BS2000 basic configuration may prove useful.

2 Technical information

2.1 Resource requirements

SESAM-DBAccess (JDBC) V5.0A can be used on all central processors supported by BS2000/OSD as of V5.0 with a virtual address space of at least 16 MB.

Approximately 3000 PAM pages of storage space is required on the hard disk for the installation files.

2.2 Software configuration

The following software products are required on the BS2000 system:

Operating system:	BS2000/OSD	as of version 5.0
	with POSIX-BC	as of version 3.0A15
Database system:	SESAM/SQL	as of version 5.0A00
Common Run-Time Environment:	CRTE	as of version 2.1A
Editor:	EDT	as of version 16.5
SESAM-DBAccess (JDBC) requires the following on the client side:		
Java Interpreter	Java	as of version 1.2
	JDK	as of version 1.2
	JDBC	as of version 2.0

2.3 Product installation

2.3.1 Installing the SESAM-DBAccess (JDBC) Server

The contents of the customer tape is read into the system. All information needed for installing the server is described in

the manual "SESAM-DBAccess (JDBC) V5.0A Server-Installation, Administration", which is on the CD included in the delivery package as a PDF file.

SESAM-DBAccess (JDBC) Server operation is controlled via start parameters which are stored in an initialization file called SYSDAT.SESDBA.050.INIT. These parameters are described in the above manual.

SESAM-DBAccess (JDBC) Server can be selectably used with or without a user check. User administration is also described in the above manual.

2.3.2 Installing the SESAM-DBAccess (JDBC) Client

All information needed for installing the client is described in the README file which is included on the supplied CD in the form of an HTML file.

The current versions of SESAM-DBAccess (JDBC) Client can also be found at:

[http://www.fujitsu-siemens.com/products/software/...
...transaction_processing/database_systems/sesamsqljdbc.html](http://www.fujitsu-siemens.com/products/software/...transaction_processing/database_systems/sesamsqljdbc.html)

2.4 Product use

2.4.1 Using the SESAM-DBAccess (JDBC) Server

All information needed for operating the server is described in the manual "SESAM-DBAccess (JDBC) V5.0A Server-Installation, Administration".

2.4.2 Using the SESAM-DBAccess (JDBC) Client

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

2.5 Obsolete functions and those to be discontinued (none)

2.6 Incompatibilities

V5.0A of the Client will only work with V5.0A of the Server and older Client versions will not work with Server V5.0A.

2.7 Restrictions

See the manual "SESAM-DBAccess (JDBC) V5.0A Server-Installation, Administration" and the README file for SESAM-DBAccess (JDBC) Client which are on the CD included in the delivery package

2.8 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/OSD) user log file (trace file)
- SYSOUT logs
- Trace log of the driver manager (client)

3 Software extensions

3.1 Server extensions

The server component supports the column types NCHAR and NVARCHAR.

3.2 Client extensions

The JDBC driver V5.0A supports the access to the new SESAM column types NCHAR and NVARCHAR. Java-applications can use the same getter- and setter-methods as for columns of the types CHAR and VARCHAR.