



Fujitsu Siemens Computers GmbH

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

Version 4.0A
January 2006

R e l e a s e N o t i c e

Copyright (C) Fujitsu Siemens Computers GmbH 2004
All rights reserved

Contents

1	General	3
1.1	Ordering	3
1.2	Delivery	4
1.3	Documentation	4
2	Technical information	5
2.1	Resource requirements	5
2.2	Software configuration	5
2.3	Product installation	5
2.3.1	Installing the SESAM-DBAccess (JDBC) Server	5
2.3.2	Installing the SESAM-DBAccess (JDBC) Client	5
2.4	Product use	5
2.4.1	Using the SESAM-DBAccess (JDBC) Server	5
2.4.2	Using the SESAM-DBAccess (JDBC) Client	6
2.5	Obsolete functions and those to be discontinued (none)	6
2.6	Incompatibilities	6
2.7	Restrictions	6
2.8	Procedure in the event of errors	6
3	Software extensions	7
3.1	Server extensions	7
3.2	Client extensions	7

1 General

SESAM-DBAccess (JDBC) V4.0A

BS2000/OSD

Database service

This Release Notice is a summary of the major extensions, requirements and operating information with regard to SESAM-DBAccess (JDBC) V4.0A which runs under the BS2000/OSD operating system.

To print this file use

```
/PRINT-FILE FILE-NAME=SYSFGM.SESDBA.040.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 from a Java application, a Java applet or a Java servlet under Windows, UNIX, LINUX, BS2000/OSD or any other System where a JAVA-VM is running and that communicates via sockets.

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 4.0A supports the SESAM/SQL database system as of V4.0A.

The use of names, trademarks, etc. in this Release Notice does not entitle readers to assume that these names/designations may be used without restriction by anyone; often the names/designations are protected by law or contract, even if this is not indicated here.

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) V4.0A files are supplied together with the SESAM/SQL database system via SOLIS.

The delivery includes the following files:

File	Description
SYSDAT.SESDBA.040.EBCASC	Table for converting EBCDIC to ASCII
SYSDAT.SESDBA.040.INIT	Initialization file
SYSFGM.SESDBA.040.D	Release Notice (German)
SYSFGM.SESDBA.040.E	Release Notice (English)
SYSLIB.SESDBA.040.PROCLIB	Library of procedures and masks
SYSMES.SESDBA.040	Messages file
SYSOML.SESDBA.040	Module library
SYSPRC.SESDBA.040.USER	Procedure for creating the user file

The SESAM-DBAccess (JDBC) Client is on the included CD "SES/SQL-SE V4.0A" "Tools and Drivers for Windows", in the following directory:

 \DBACCESS\JDBC_040\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_040\CLIENT\DOC and

 \DBACCESS\JDBC_040\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) V4.0A can be used on all central processors supported by BS2000/OSD as of V2.0 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 4.0
Database system:	SESAM/SQL	as of version 4.0
Common Run-Time Environment:	CRTE	as of version 2.4

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) V4.0A 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.040.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) V4.0A 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

V4.0A of the Client will only work with V4.0A of the Server and older Client versions will not work with Server V4.0A.

2.7 Restrictions

See the manual "SESAM-DBAccess (JDBC) V4.0A 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)
- SessionLog file (Server), if existing

3 Software extensions

3.1 Server extensions

The server component got a new task management. Servertasks are not terminated at the end of a user session but they are used by further user sessions. This will improve the performance and lower the needed CPU time.

Because servertasks are not terminated so often they run longer. Therefore their jobclass must be checked concerning the requirement of CPU-Time.

3.2 Client extensions

For a better performance in serving the orders on the client-side the two new classes "SesamDataSource" and "SesamConnectionPoolDataSource" are offered to enable "connection pooling".

More detailed informations you can find in the README file for SESAM-DBAccess (JDBC).