



Fujitsu Siemens Computers GmbH

ADILOS (BS2000/OSD)
Version 6.4
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Release Notice

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Release Notice ADILOS V6.4

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1 GENERAL

ADILOS (Analysis of Databases and Individual files in Lists of Open Structures) is an efficient reporting system under BS2000 *) for generating open or closed lists with flexible layout. The data for processing may consist of records from SESAM databases, UDS databases, LEASY files, DVS files (SAM and ISAM), ADABAS databases, ORACLE databases, SAP files, transfer files or subprogram entries (UPROG). The ADILOS-DIALOG dialog system is a software package that supports the creation of lists by means of menu techniques.

This release notice is a summary of the major extensions, requirements and operating information with respect to the following delivery units:

- ADILOS-BA V6.4C (ADILOS base and access to DMS and LEASY files and CIS databases)
- ADILOS-SU V6.4C (access to SESAM/UDS databases)
- ADILOS-OR V6.4C (access to ADABAS and ORACLE databases and POSIX files)
- ADILOS-DR V6.4C (access to R/2 SAP files)

The release level is that of March 2003.

This release notice is supplied as a file which can be printed out with the following command:

```
/PRINT-FILE SYSFGM.ADILOS.064.E,LAYOUT=PAR(CONTROL=EBCDIC)
```

*)BS2000 is a registered trademark of SIEMENS AG

1.1 Ordering

ADILOS V6.4C can be ordered from your local distributors.

This product is subject to the general terms and conditions of the software product use and service agreement.

1.2 Delivery

The files for ADILOS V6.4C are supplied via SOLIS. The current file and volume characteristics are listed in the SOLIS2 delivery cover letter.

1.3 Documentation

The following manuals are available for information on ADILOS:

Title	Order no.
ADILOS V6.2A Berichtgenerator Band 1: Einfuehrung	U5143-J-Z125-2
ADILOS V6.2A Berichtgenerator Band 2: Kommandos	U5144-J-Z125-2
ADILOS V6.2A Report Generator Volume 1: Introduction	U5143-J-Z125-2-7600
ADILOS V6.2A Report Generator Volume 2: Commands	U5144-J-Z125-2-7600

The ADILOS V6.3A and V6.4A extensions are in the SYSRME.ADILOS.064.E file together with additional information that is of interest for ADILOS use. It can be printed with:
/PRINT-FILE SYSRME.ADILOS.064.E,LAYOUT=PAR(CONTROL=EBCDIC)

2 TECHNICAL INFORMATION

New and extended software functions are described in chapter 3.

2.1 Resource requirements

During execution, ADILOS requires the following amount of storage space in the system and user address areas:

All modules linked in:	1100 Kbytes for program execution at least 300 Kbytes for data
Only controller linked in:	450 Kbytes approximately 50 -100 Kbytes for each ADILOS function used at least 300 Kbytes for data

(Linkage options are described in section 2.3.1.)

2.2 Software configuration

ADILOS V6.3A requires the following software products in the versions specified below:

BS2000/OSD	>= V 3.0A	(BS2000 >= V12.0A)
EDT	>= V16.6A	

Additionally, depending on the type of processing:

SORT	>= V 7.6A		
SESAM/SQL	V 1.1A	and	DRIVE V 6.0D
SESAM/SQL	>= V 2.0A	and	CRTE >= V 2.0A
		or	DRIVE/WINDOWS V 2.2A
UDS/SQL	>= V 1.1A	and	DRIVE V 6.0D
		or	UDS-IQS V 3.1D
UDS/SQL	>= V 2.0A	and	UDS-IQS V 3.1D / V 4.0A10
LEASY	>= V 5.2A		
CIS	>= V12.0A		

Additionally, for ADILOS-OR:

ADABAS	>= V 5.3.4
ORACLE	>= V 7.1

Additionally, for ADILOS-DR:

SAP R/2	V 4.3 and V 5.0
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Additionally, for ADILOS-DIALOG:

TOM-TI	>= V 3.0C
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CRTE as of V2.0B is required for access to POSIX files.

2.3 Product installation

The standard installation procedure is SOLIS.

When booting the system, merge the SYSMES.ADILOS.064 file into the range assignment list for standard messages. This file is required for requesting the meanings of the ADILOS messages.

If the installation is not done via SOLIS, rename the ADILOS-module library SYSLNK.ADILOS-BA.064.E to SYSLNK.ADILOS.064.E. Next, copy the module libraries of all additional delivery units (SYSLNK.ADILOS-xx.064.E mit xx = DR / OR/ SU) to the SYSLNK.ADILOS.064.E library.

2.3.1 Installation of ADILOS in timesharing mode

Use the supplied generation procedures to link in ADILOS (and optionally ADILOS-DIALOG). Before doing this, however, rename the following files:

Old file name	New file name
SYSLIB.ADILOS.064.GEN.E	SYSLIB.ADILOS.GEN
SYSLNK.ADILOS.064.E	SYSLNK.ADILOS
SYSLNK.ADILOS.064.DUMMY	SYSLNK.ADILOS.DUMMY
SYSPRC.ADILOS.064.BIND.E	SYSPRC.ADILOS.BIND

For details on linking and loading ADILOS, please refer to the ADILOS User Guide volume 1 chapter 6.1 (linking) and chapter 2.2 (loading).

ADILOS must be linked in using the procedure SYSPRC.ADILOS.064.E. Two masks (ADI100 and ADI110) prompt for the required information (linking variant, library names, etc.).

Linkage takes place via the BINDER program, resulting in one or two link loader modules (llmname, ADI-SHARE) which are stored in an LMS library (libname). The names for llmname and libname are freely selectable. However, if you want to use ADILOS-DIALOG, you must use the default name "ADILOS" for llmname.

Load and start up ADILOS with:

```
/START-PROG FROM=*MOD(LIB=libname,ELEM=llmname), RUN=ADV
```

The option of calling ADILOS in a simplified way using an SDF-A command is described in the ADILOS User Guide, Volume 1, Section 2.2.5.

On XS systems, you have the option of loading ADILOS either in the lower or upper address area (below or above the 16-Mbyte limit). When running ADILOS in the upper address area, you must additionally specify the "PROG=ANY" operand in the /START-PROG command. Access to UDS databases via IQS is only possible in 24-bit mode.

There are two linking variants (which can be controlled at generation by the entry in the "ADILOS as SHARED CODE" line in the mask ADI100).

- Entry "X" (default entry)
Two link loader modules (llmname and ADI-SHARE) are generated. They contain all ADILOS modules. No more ADILOS modules will be dynamically loaded during runtime (possibly only the EDT and SORT modules and modules of the database systems called up by ADILOS).
ADILOS is only loaded once and used by all users at the same time (SHARED ADILOS).

- Blank entry
Only the "llmname" link loader module is generated. It contains the modules of the ADILOS controller. The modules for the functions will be loaded dynamically when required. If several users are working with ADILOS simultaneously, ADILOS will be loaded in the main memory separately for each user.

2.3.2 Installation of ADILOS-DIALOG

Before generating ADILOS-DIALOG, you must link in ADILOS as previously described. ADILOS-DIALOG can then be generated as follows:

ADILOS-DIALOG must be linked in with the SYSPRC.ADILOS.064.DIA procedure. Linkage takes place via the BINDER program, resulting in a link loader module (ADILOS-DIALOG) which is stored in an LMS library (libname). The name you assign for "libname" must be the same one you used for generating ADILOS.

Load and start up ADILOS-DIALOG with:
/START-PROG FROM=*MOD(LIB=libname,ELEM=ADILOS-DIALOG), RUN=ADV

The parameters of this procedure are described below:

/CALL-PROC NAME=SYSPRC.ADILOS.064.DIA, PROC-PAR=(&PAR1,&PAR2,...)

Parameter	Meaning
LIBNAME	File name of the LMS library in which the ADILOS-DIALOG link loader module is stored
MODLIB	File name of the ADILOS/ADILOS-DIALOG module library
SORTMOD	File name of the SORT module library \$SORTLIB
DRIVEMOD	File name of the DRIVE module library SYS.MOD.DRIVE
UDSMOD	File name of the IQS module library UDS.MODLIB or SYSPRG.IQS.040
LEASYMOD	File name of the LEASY module library LEA.OML
TOMLIB	File name of the TOM module library TOM.TI.LNKLIB
TOMOML	File name of the TOM module library TOM.EDIT.OML
EDTLIB	File name of the EDT module library \$EDTLIB
DUMMYLIB	File name of the ADILOS dummy libr. SYSLNK.ADILOS.DUMMY
KL5SP	Class 5 memory request

If you do not intend on using SESAM, specify the ADILOS module library for DRIVEMOD.

If you do not intend on using UDS, specify the ADILOS module library for UDSMOD.

If you do not intend on using LEASY, specify the ADILOS module library for LEASYMOD.

If you do not intend on using the GEN functions for defining a subfile in ADILOS-DIALOG, specify the ADILOS module library for TOMOML and EDTLIB.

TOMLIB must be provided with the TOM.TI.LNKLIB specification, otherwise you will not be able to use the "Define" function in ADILOS-DIALOG.

All file names, even the FILENAM specifications, must be preceded by the user ID (e.g. MODLIB=\$TSOS.SYSLNK.ADILOS).

2.3.3 Installation of ADILOS in transaction mode

The control program INFSOLI and the variant of ADILOS with transaction mode capability must be generated using the supplied generation procedures. The following files must be renamed prior to generation:

Old file name	New file name
SYSLIB.ADILOS.064.GEN.E	SYSLIB.ADILOS.GEN
SYSLIB.ADILOS.064.INFS.MAC	SYSLIB.ADILOS.INFS.MAC
SYSLNK.ADILOS.064.E	SYSLNK.ADILOS
SYSLNK.ADILOS.064.DUMMY	SYSLNK.ADILOS.DUMMY
SYSLNK.ADILOS.064.INFS.E	SYSLNK.ADILOS.INFS
SYSPRC.ADILOS.064.E	SYSPRC.ADILOS
SYSPRC.ADILOS.064.BIND.E	SYSPRC.ADILOS.BIND
SYSPRC.ADILOS.064.TADI.ENT	SYSPRC.ADILOS.TADI.ENT

Linking and starting of ADILOS in transaction mode is described in ADILOS, Volume 1, Sections 6.3 - 6.4.

2.4 Product use

2.4.1 Access to SESAM databases

When generating (linking) ADILOS, the library is specified ("SESAM/DRIVE" parameter in mask ADI110) from which the linkage module for DRIVE or SESAM is dynamically loaded by ADILOS (DRICONS for access type DRIVE, SESMOD for access type ESQL).

If you want to use various types of access or different DRIVE versions when accessing a SESAM database, this is possible only in separate ADILOS runs. The following two variants are available for dynamic loading of the appropriate linkage module:

- The module library is assigned during runtime with the ADILOS command "SYSTEM SESAM = modlibname" (modlibname: name of the SESAM or DRIVE module library).
- The linkage module is dynamically loaded explicitly using the ADILOS command "TEST modulename,LIB=modlibname" if the linkage module is not contained in the module library specified at generation.

2.4.2 Accessing the UDS databases via IQS

The UDS databases can be accessed via IQS V3.1D and IQS V4.0A10 or higher. The IQS V3 .1D programs are normally located in the UDS.MODLIB library, the IQS linking program starting with V4.0A10 or later in SYSPRG.IQS.040, and the remaining IQS programs in SYSLNK.IQS.040. While linking ADILOS, enter \$userid.UDS.MODLIB or \$userid.SYSPRG.IQS.040 in screen ADI110 (parameter UDS), depending on the IQS version. If you use IQS V4.0A, assign the SYSLNK.IQS.040 library with the following command:
/SET-FILE-LINK LINK=IQSOML,F-NAME=\$userid.SYSLNK.IQS.040

Access to UDS databases via IQS is only possible in 24-bit mode.

2.4.3 Access to databases of various database systems

Within an ADILOS run, it is not possible to access SESAM and UDS databases via DRIVE. Access to SESAM databases via DRIVE or ESQL and to UDS databases via IQS is however possible.

2.4.4 Access to SESAM databases in block mode

Chapter 3 of the README file SYSRME.ADILOS.064.E contains information that is to be noted when reading database tables as of SESAM/SQL V2.1A. Block mode leads to noticeable DBH task runtime improvements.

2.5 Eliminated functions

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2.6 Incompatibilities

ADILOS V6.4A is fully compatible with V6.3A.

Access to SESAM or UDS databases via DRIVE and IQS is described in the new User Guide in the context of the DB-STATEMENTS (Format 1). The input sources DRIVE, SESAMDB and UDSDB and the associated statements DRIVE-STATEMENTS, SESAM-STATEMENTS and UDS-STATEMENTS are no longer described in the User Guide. However, they continue to be supported.

2.7 Restrictions

Access to SESAM and UDS databases via DRIVE/WINDOWS is not possible.

If the EDIT function is called for the first time after accessing ORACLE databases, this results in an error in the DEFPROT program because of ORACLE. The EDIT function should therefore always be called first when working with ORACLE.

2.8 Procedure in the event of errors

The following documentation must be created for diagnostic purposes:

- Create a reduced i.e. minimal version of the ADILOS statement sequence that leads to the error.
- Run ADILOS with the SYSTEM LOG=LIST command at the beginning of the statements to generate a runtime log.
- Print out the input file or several records of the input file with the /PRINT filename,ENDNO=record-length,BINARY=YES command.
- With your error report, enclose the runtime log, a printout of the input file, the list image and a dump (if available).

3 SOFTWARE EXTENSIONS

This chapter describes only the extensions and enhancements of ADILOS over the previous version, ADILOS V6.3A00.

- Read access to ADABAS database files
- Global text and value variables set in the key and value assignment of the READ function
- Assigning contents of global text and value variables during the key and value assignment of the READ function to the text and value items of the processing record
- Uninterrupted line-up of fields and constants in the key assignment of the READ function
- Output of the content of global text and value variables in lists using the PRINT function
- Access to UDS databases via IQS V4.0A10 (V6.3A10 or higher)
- Direct access to NK-ISAM files via secondary indexes (V6.3A10 or higher)
- Assigning a name to the next available ADILOS variable (V6.3A10 or higher)

See the following file for a description of these extensions
SYSRME.ADILOS.064.E.

4 Appendix: Files delivered

Files suffixed with ".1" are delivered in a German (D) and English (E) version. The SYSLNK.ADILOS.064.1 library is created and delivered from the module libraries of all ordered delivery units (SYSLNK.ADILOS-xx.064.1).

1. ADILOS-BA delivery unit

File name	Meaning
SYSDOC.ADILOS.064.INFS.1	Error catalog for the transaction variant of ADILOS
SYSFGM.ADILOS.064.1	Release notice
SYSLIB.ADILOS.064.GEN.1	Library with menus for generation procedures
SYSLIB.ADILOS.064.INFS.MAC	Macro library for the transaction variant of ADILOS
SYSLNK.ADILOS.064.DUMMY	Dummy module library
SYSLNK.ADILOS.064.INFS.1	Module library for the transaction variant of ADILOS
SYSLNK.ADILOS-BA.064.1	Module library for ADILOS base
SYMES.ADILOS.064	ADILOS error message texts
SYSPRC.ADILOS.064.BIND.1	Linkage editor procedure of ADILOS
SYSPRC.ADILOS.064.1	Generation procedure
SYSPRC.ADILOS.064.DIA	Linkage editor procedure of ADILOS-DIALOG
SYSPRC.ADILOS.064.INFS	Generation procedure for the transaction variant of ADILOS
SYSPRC.ADILOS.064.INFS.BIND	Linkage editor procedure for the transaction variant of ADILOS
SYSPRC.ADILOS.064.INFS.ENT	Start procedure for INFSOLI
SYSPRC.ADILOS.064.TADI.ENT	Start procedure for the transaction variant of ADILOS
SYSRME.ADILOS.064.1	Readme file

2. ADILOS-DR delivery unit

File name	Meaning
SYSLNK.ADILOS-DR.064.1	Module library for SAP
SYSPRC.ADILOS-DR.064.FILE.1	procedure with FILE commands for SAP

3. ADILOS-OR delivery unit

File name	Meaning
SYSLNK.ADILOS-OR.064.1	Module library for ADABAs, ORACLE and POSIX

4. ADILOS-SU delivery unit

File name	Meaning
SYSLNK.ADILOS-SU.064.1	Module library for SESAM, UDS
SYSPRC.ADILOS-SU.064.SES-A.1	procedure for creating attribute conversion tables



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