

## ADILOS (BS2000/OSD) V6.4 Report Generator

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### Introduction

**ADILOS (Analysis of Databases and Individual files in Lists of Open Structure) is a powerful report generator which can be used to generate open or closed lists with flexibility of layout.**

**In addition to the interface for technical staff, comprising the ADILOS commands and statements, ADILOS offers a convenient interactive user interface which is tailored to the requirements of the non-technical end user and comprises such functions as menu operation and standard and test print options.**

**The ADILOS input source may consist of UDS/SQL, SESAM/SQL, ADABAS and ORACLE databases and CIS, LEASY, SAM and ISAM as well as POSIX- and UNIX files of the type text. SAP R/2 files can also be analyzed. Records from several databases may be merged and joined (MERGE/JOIN functions).**

### Product structure

- ADILOS-BA is the base component that incorporates all the facilities for analysis of CIS, LEASY, SAM and ISAM data. It is also required when the add-on products ADILOS-SU, ADILOS-DR, or ADILOS-OR are used.
- ADILOS-SU also supports access to SESAM/SQL or UDS/SQL databases.
- ADILOS-DR additionally supports data access to R2 files.
- ADILOS-OR also supports data access to ORACLE and ADABAS databases and to POSIX and UNIX files of the type text.

### Functional Description

#### READ

This function supplies the data in a format (processing record) which is independent on the type of input source, optionally sorting the input records and compacting them into groups at this early stage. The processing record contains the text and value items which are subsequently evaluated. ADILOS allows the definition of group levels in the processing records and can perform any control breaks, generating total records accordingly.

The query language ADILOS uses for DB access is that of the particular database system.

By specifying conditions which can be logically ANDed or ORed, the supplied data can be filtered through record selection functions.

Subroutine exits (user exits) allow the user the supply of data through individual programs.

Input data can be sorted.

For data retrieval from UDS/SQL, SESAMSQL, CIS, ADABAS or ORACLE databases and R/2 files as well as POSIX and UNIX files of the type text, the database system provides a target record specification; there is no need for the user to provide a definition of the input record.

#### COMPUTE

This function can be used to connect data through arithmetic operations. Supported are the four basic arithmetic operations, exponentiation, and percent calculation, with the

ability to specify the order of execution by means of parentheses.

ADILOS also supports mathematics functions such as the calculation of minimum/maximum or absolute values. In addition, items can be summed, the percentage of each record in the total sum can be determined, and total values from total records can be transferred item-by-item to the individual records. Another capability is that of condition-dependent processing, where the conditions refer to value item contents or constants.

#### SORT

This function can be used to sort ADILOS processing records. The SORT function provides the following facilities, which may also be used in any combination:

- Sorting in ascending and/or descending order by key items (group levels, text items).
- Sorting in ascending and/or descending order by value items.
- Value-dependent sorting of entire groups.
- Sorting of total records to the beginning of the appropriate groups.

SORT is different from conventional sort functions, in that entire groups can be sorted with all their associated records.

#### PRINT

This function is used to create lists whose size and line contents need not be known before they are created, as the size and contents of the input records to be edited are in most cases variable. List output can be via printer or to a file.

ADILOS has the ability to generate lists with a wide variety of layout. List header, page header, hierarchical group header and footer lines, information lines, list and page footers can be specified either optionally or made dependent on conditions. The contents of a line may consist of a constant text defined in the list definition, numeric or alpha-numeric input data, text files or parts thereof, and system information (page count, data, etc.); line assignment is the user's responsibility. Page feeds can be controlled at the user's discretion.

It is also possible to effect a test print without data, i.e. output is restricted to the print layout and no user data are provided.

This gives the user a simple means of checking his print layout.

### **PRINT (STADRU)**

In those cases where the flexibility of the PRINT operands is not needed, PRINT can be used to create lists in a particularly fast and straightforward manner. The standard list layout may still be modified by (optional) statements. PRINT, too, supports the record selection feature, allowing any selection criterion to be processed.

### **WRITE**

This function enables data read and arranged by ADILOS to be written to a file. Through item selection, specific processing record items can be selected to be written; through record selection, entire processing records can be selected. The processing of this data (items/records) can then be continued by other programs or by ADILOS.

WRITE can be used to create transfer files and to generate files containing different record types, and allows file transfer to Windows and Unix systems.

User exits provide the user with record output and correction by individual programs.

## **Program Description**

ADILOS features interfaces for data retrieval from UDS-, SESAM-, ADABAS- and ORACLE-databases, LEASY, CIS and DMS files, SAP R/2 files, from POSIX- and UNIX-files and user-own subroutines.

The language used for accessing SESAM/SQL and UDS/SQL consists of the standard SQL commands used under DRIVE-DB as of V6.0. With these commands, the user can define views (logical database subsets representing an application-oriented view). Via these views, the user can select, on the basis of simple or complex selection criteria, records or attributes which again are made available to ADILOS for further processing. When creating a view, it is possible to join data records (join view) from one or more SESAM/SQL or UDS/SQL databases (depending on the capacity of the database system). The access to SESAM/SQL or ORACLE can also be performed by ESQL. Using SESAM/SQL Server V2.1 results in perceptive performance winnings by using the new block mode function.

UDS/SQL can consist of parts of the Interactive Query Language (IQL).

The access to ADABAS is performed via the ADABAS Call DML.

Input records can be sorted for the purpose of efficient compacting.

By interfacing with user-own subroutines, ADILOS users may select and modify their data records according to user-specific criteria before the records are submitted to ADILOS.

The ADILOS language comprises commands and statements.

A command identifies the function the user wishes to execute (e.g. COMPUTE). Statements include detailed specifications of the function (e.g. compute statements).

ADILOS can be used in any foreign language since all its texts can be switched by means of appropriate text modules.

<b>Technical Data</b>	
<b>Technical Requirements Hardware</b>	BS2000/OSD Business Server
<b>Technical Requirements Software</b>	BS2000/OSD-BC V1.0 or higher EDT V16.5 or higher SORT V7.4 or higher  Optional: UDS/SQL (BS2000/OSD) V1.1 or higher with DRIVE V6.0 or UDS-IQS V3.1D SESAM/SQL (BS2000/OSD) V1.1 with DRIVE V6.0 SESAM/SQL (BS2000/OSD) V2.0 or higher with CRTE (BS2000) V1.0 or higher LEASY (BS2000/OSD) V5.2 or higher R/2 from SAP V4.3 and V5.0 ORACLE (BS2000/OSD) V7.1 or higher CIS (BS2000/OSD) V11.0 or higher ADABAS from Software AG V5.3.4 or higher
<b>Installation</b>	By the user according to the Release Notice
<b>Documentation</b>	The documentation is available online, see <a href="http://manuals.fujitsu-siemens.com">http://manuals.fujitsu-siemens.com</a> , or in printed form which must be paid and ordered separately at <a href="http://fsc-manualshop.com/">http://fsc-manualshop.com/</a> . <ul style="list-style-type: none"> <li>■ ADILOS User Guide (German, English)</li> <li>■ ADILOS Commands (German, English)</li> </ul>
<b>User Requirements</b>	Basic knowledge of BS2000/OSD
<b>Training</b>	See course offer at: <a href="http://www.fujitsu-siemens.com/training">http://www.fujitsu-siemens.com/training</a>
<b>Conditions</b>	This software product is supplied to the customer against single payment/payment by installments subject to our conditions for the use of software products.
<b>Warranty</b>	Class: A; Delivery format: Machine language