



English User Manual

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## **Global and Btrieve 6.15**

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# 1. Implimentation

## 1.1. Btrieve 6.15 32-bit

Before Global Btrieve files can be accessed by SW-Tools TRIO or SW-Tools ODBC the required Btrieve DLL must be present in a known path to the Windows environment, for example the Windows system directory or any other set in the PATH environment variable.

The only version of Btrieve that has been seen and tested is Btrieve version 6.15 in connection with the Global Btrieve system.

SW-Tools has tested the access to the Global Btrieve system using the TRIO 32-bit version 007.xxx and Btrieve version 6.15 with a minimum installation of Btrieve on one PC only needing the following files as minimum:

WBTRVRES	DLL	4.192	19-04-95	15.16	WBTRVRES.DLL
WBTRV32	DLL	68.096	12-02-97	11.27	WBTRV32.DLL
W32MKDE	EXE	320.512	07-10-96	20.25	W32MKDE.EXE
WBTRCALL	DLL	43.472	04-02-97	13.59	WBTRCALL.DLL
W32MKRC	DLL	110.080	24-09-96	17.40	W32MKRC.DLL

5 file(s) 546.352 bytes

Please notice that the W32MKDE.EXE must be started prior to working with TRIO or the ODBC driver, otherwise Btrieve may cause the system to hang.

## 1.2. Btrieve 6.15 16-bit

Is currently not tested by SW-Tools, but should be supported when the correct Btrieve components has been properly installed. The proper installation should include all files mentioned when using the 32-bit Btrieve plus

WBTRTHNK DLL	5.824	15-07-96	10.43	WBTRTHNK.DLL
WBTRCALL DLL	43.472	04-02-97	13.59	WBTRCALL.DLL
2 file(s) 49.296 bytes				

## 1.3. Global Data Dictionary

All Global files present in Btrieve format is described in the Btrieve files

**file.ddf**

**field.ddf**

**index.ddf**

Additionally there are two files currently unknown to SW-Tools

**fieldext.ddf**

**comment.ddf**

The two additional files are not required and is not accessed by SW-Tools.

In order to upload the Dictionary in TRIO format SW-Tools provides a standard TRIO report system with one report, which will generate the required .ddf file for load in the TRIO file definition module.

### 1.3.1. Field formats

Because we have only seen the DPARAS demo system, we have only defined the report for making the .FDF file according to the field types

**integer**

**string**

**float**

**date**

The dictionary does not include any information regarding the number of digits for a numeric field as normally when a field is defined as PIC 9(4) or PIC 9(8,2). Therefore all numeric fields are defined according to the maximum number of digits possible for the integer and for float fields the number of decimals is fixed to 2.

It is possible to amend the format of fields manually after loading the file definitions. Refer to the TRIO Data Dictionary manual.

## **1.4. No Global system requirements**

There are no requirements regarding the Global system for TRIO & ODBC to access the Btrieve files. This means, if you have all the .dat and .ddf files but no Global system TRIO & ODBC can access all the information in the database anyway.



## **2. Installing TRIO**

## 2.1. Required license

You are required to have at least the following license terms:

**TRIO 32-bit**

**Btrieve interface**

Additionally you could have a license for

**ODBC 32-bit**

or

**ODBC 16-bit**

in order to access the database from within Microsoft Office or any other Windows application with support of ODBC drivers,

## 2.2. Installing from CD

Please install the entire TRIO system from the CD. If you are working with a Windows 95 or Windows NT system the installation is menu driven and automatically started when the CD is inserted into the drive.

If not you must start the installation program manually. This could be done by selecting START and RUN... from the normal Windows 95 menu bar. The installation program is started by the command:

**X:\TRIO32\ENG\DISK1\INSTALL.EXE**

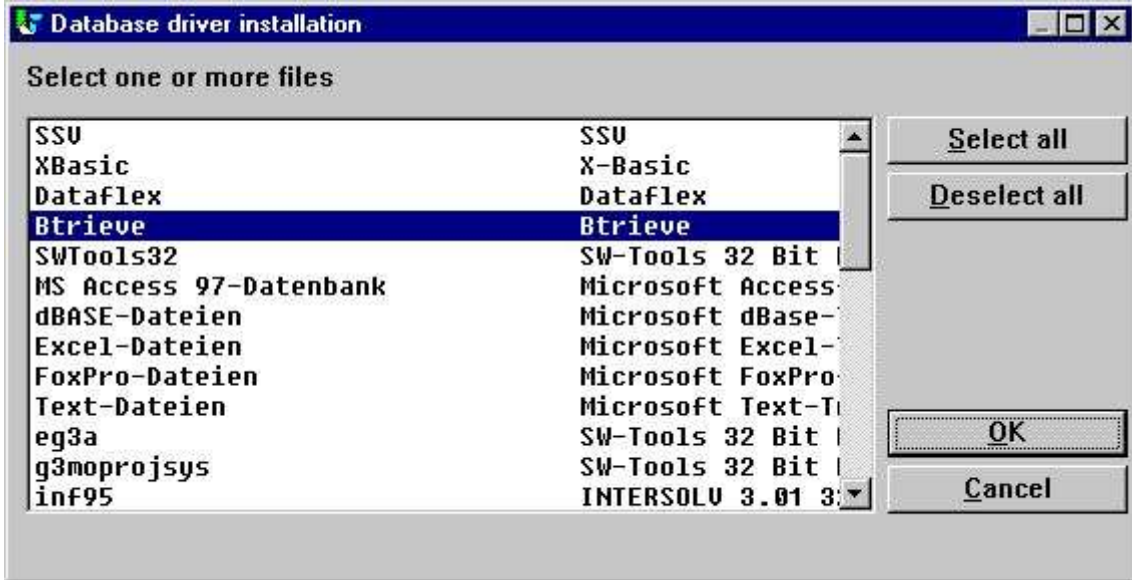
where X is the CD driver letter.

The TRIO installation drive may be changed, but this manual is based on you installing the TRIO system in directory

**C:\SWTOOLS**

## 2.3. Installing the Btrieve driver

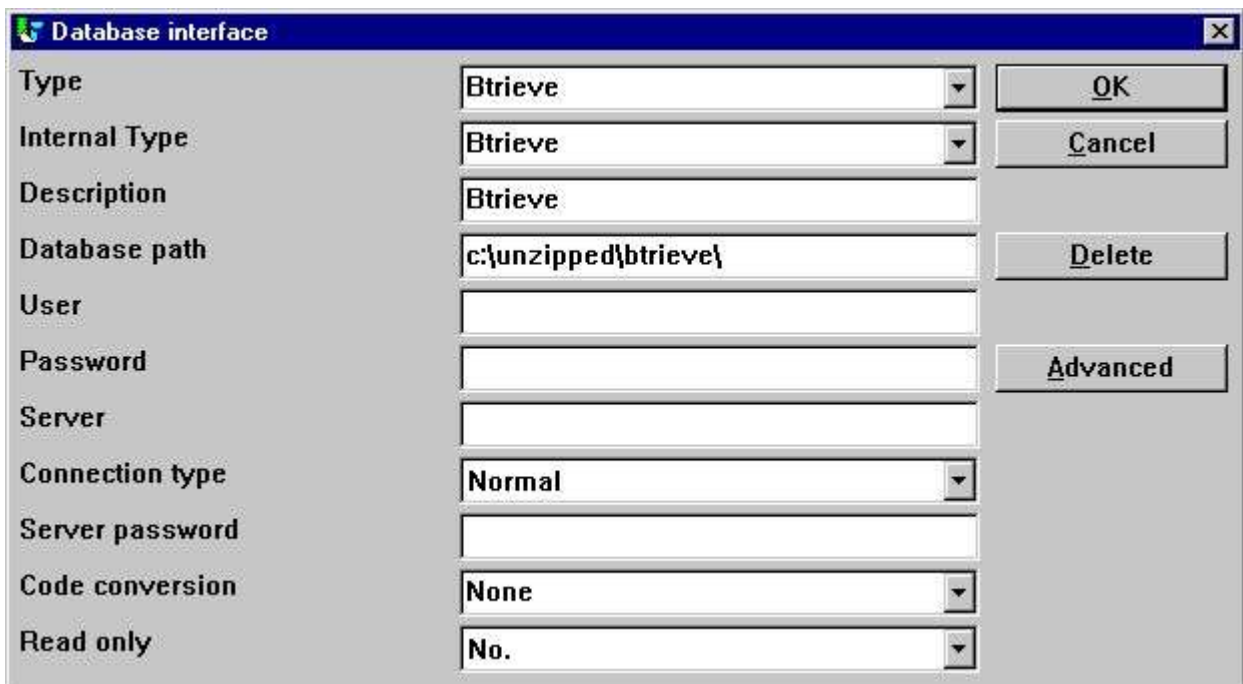
Start the Data Dictionary application and select **Install ODBC drivers** from the menu **File**. From the list of drivers mark **Btrieve** and select OK.



### 1. Installing the Btrieve driver

From menu **File** select **Data interface...** which displays a new dialog. In the dialog change the Type from SSV-Textfile to **Btrieve** and enter the database path as the actual path for the Btrieve files to access. This means, the path where the file.ddf, field.ddf, index.ddf and XXXXX.dat files are located.

Here is the sample from the SW-Tools test environment:



### 2. Setup of the Btrieve driver

## 2.4. Create a new subsystem

Create a new subsystem to contain the global data dictionary, reports and queries. Select **Subsystem-New...** from the menu **File**.

The screenshot shows a dialog box titled "Subsystem". It contains the following fields and controls:

- Name:** Global Btrieve (text field) and 0002 (text field)
- Password:** (empty text field)
- Company:** (empty text field)
- Type:** Normal (dropdown menu)
- Module:** RAPGEN & IQ (dropdown menu)
- File definitions:** c:\swtools\ddgsmbtr\ (text field)
- Database:** (empty text field)
- Reports:** c:\swtools\ddgsmbtr\ (text field)
- Databaselock:** (empty text field)
- Description:** (empty text area)
- Buttons:** OK and Cancel

### 3. New subsystem

It is only required to enter a name, the file definition path and the path for reports. The database path is taken from the setup Btrieve driver.

### **3. Installing report system for Data Dictionary**

### 3.1. Installing the system manually

The system is installed manually. It may be present as a .zip file or as a diskette.

Start by creating the subsystem directory within your installed TRIO system. For example:

**C:\> MKDIR C:\SWTOOLS\DDGSMBTR**

If you have received a .zip file please unzip it, otherwise copy it, into a the directory named

**C:\SWTOOLS\DDGSMBTR**

The files copied must include:

DDGSMBTR.FDF	Data Dictionary for Btrieve FILE/FIELD/INDEX.DDF
DMREPORT.SSV	TRIO Report list
DM1001.SRC	Report to generate TRIO Dictionary from Btrieve
gbt-eng.HLP	This on-line manual

### 3.2. File definitions for the Btrieve Dictionary

The file.ddf, field.ddf and index.ddf has been defined for the TRIO data dictionary system and stored in the file

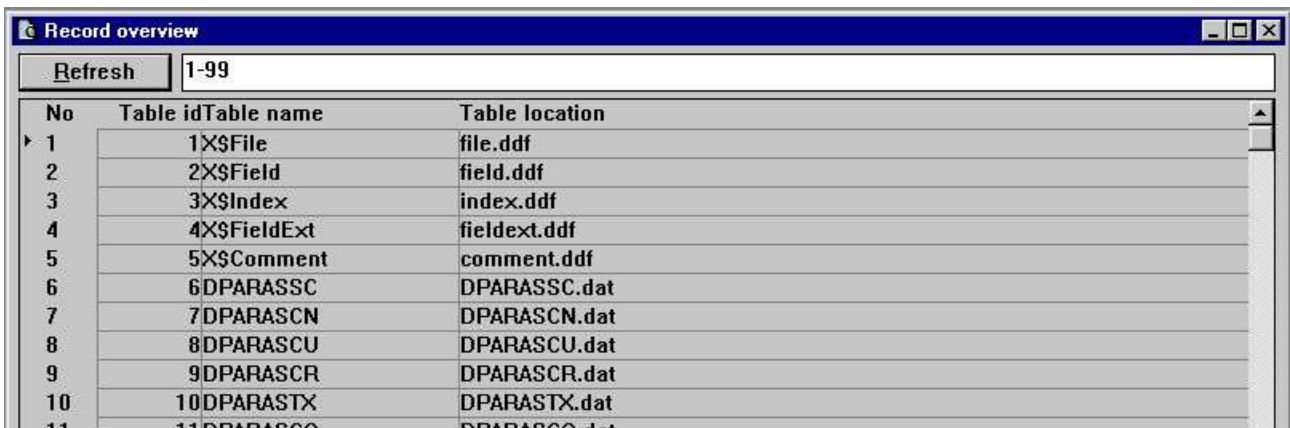
**DDGSMBTR.FDF**

Start the Data Dictionary application and follow the steps:

Select **File-Subsystem-Open** and select the **Global Btrieve** subsystem.

Select **File-Load standard definitions** and open the C:\SWTOOLS\DDGSMBTR\DDGSMBTR.FDF file. Now change the type from SSV-Textfile to Btrieve in the top-right combobox.

From the File window select the table 's0 Btrieve Data Dictionary Tables'. If you select menu **View-Record overview** it should display something like this



#### 4. Sample test of Btrieve Dictionary Tables

if all is setup correctly.



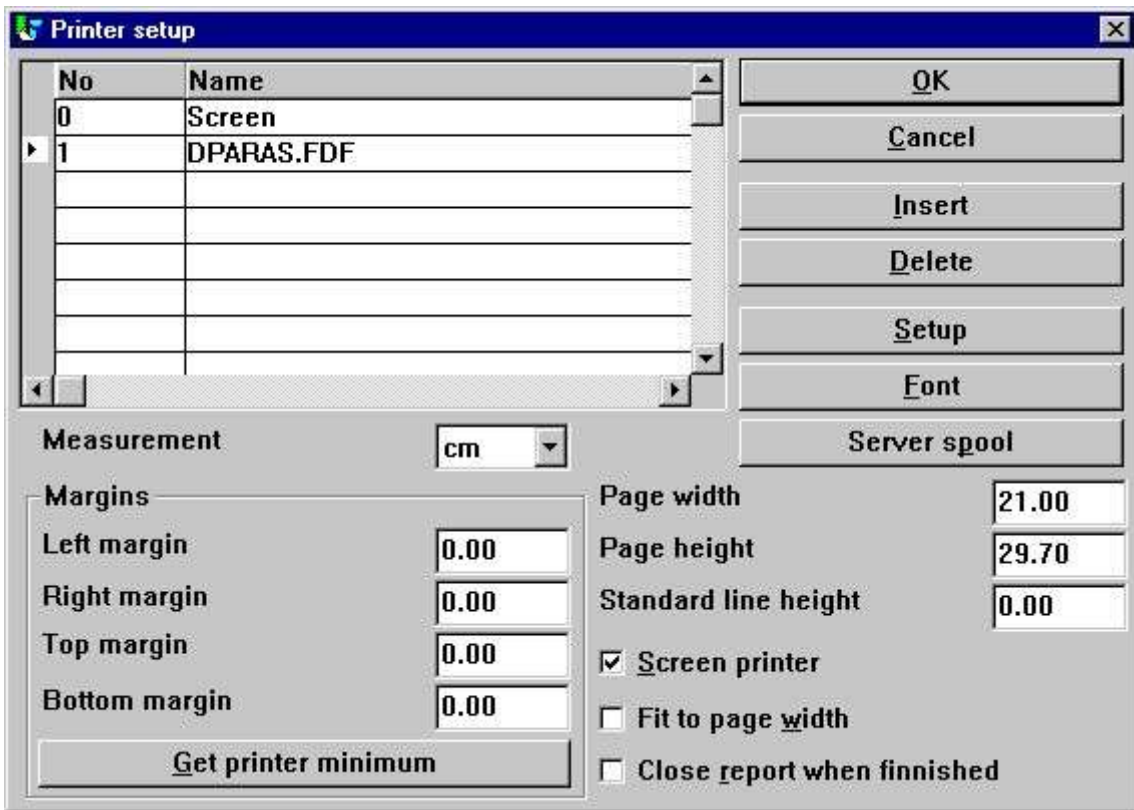
### 3.3. Run report to generate Global dictionary for TRIO & ODBC

Start the Report Generator application and open the subsystem **Global Btrieve**. Within this subsystem one report should be present which you may start.

So that the report can produce a .FDF file a text printer setup is required!

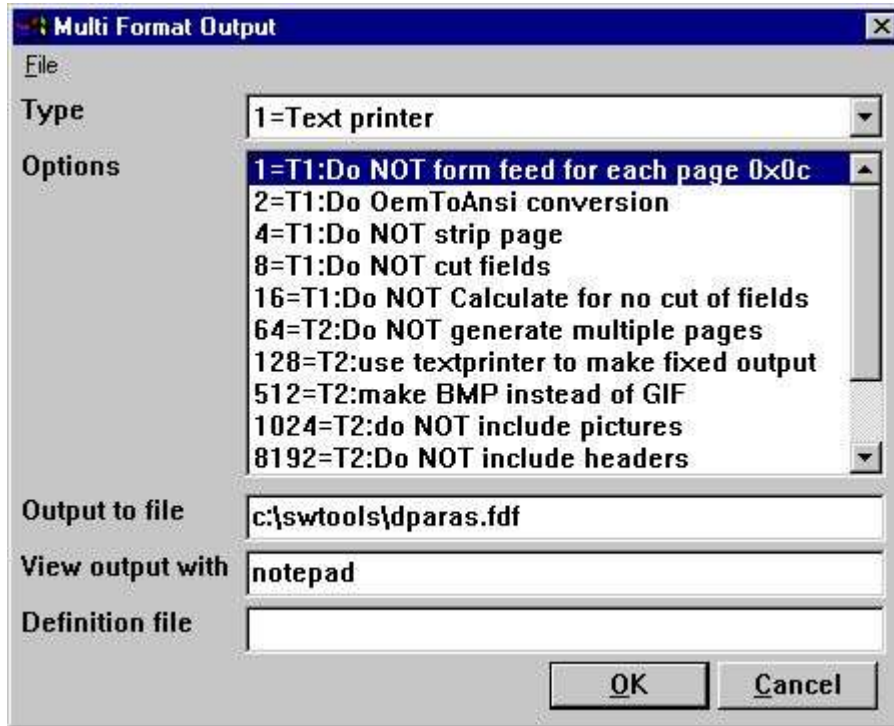
When you see the start dialog go directly into the **Parameters** menu and select **Printer setup**.

Go to the first free line in the list of defined printers and checkmark the **Screen printer** field. Select the button **Setup**.



#### 5. Setup of the required text printer

Setup the printer exactly as shown below. You may choose to use another path/filename instead of c:\swtools\dparas.fdf.



### ***6. Setup of the required text printer***

When returned from the setup enter a name such as **DPARAS.FDF**.

When you have selected OK and returned to the start dialog simply start the report by selecting OK again. The report will produce the DPARAS.FDF file.

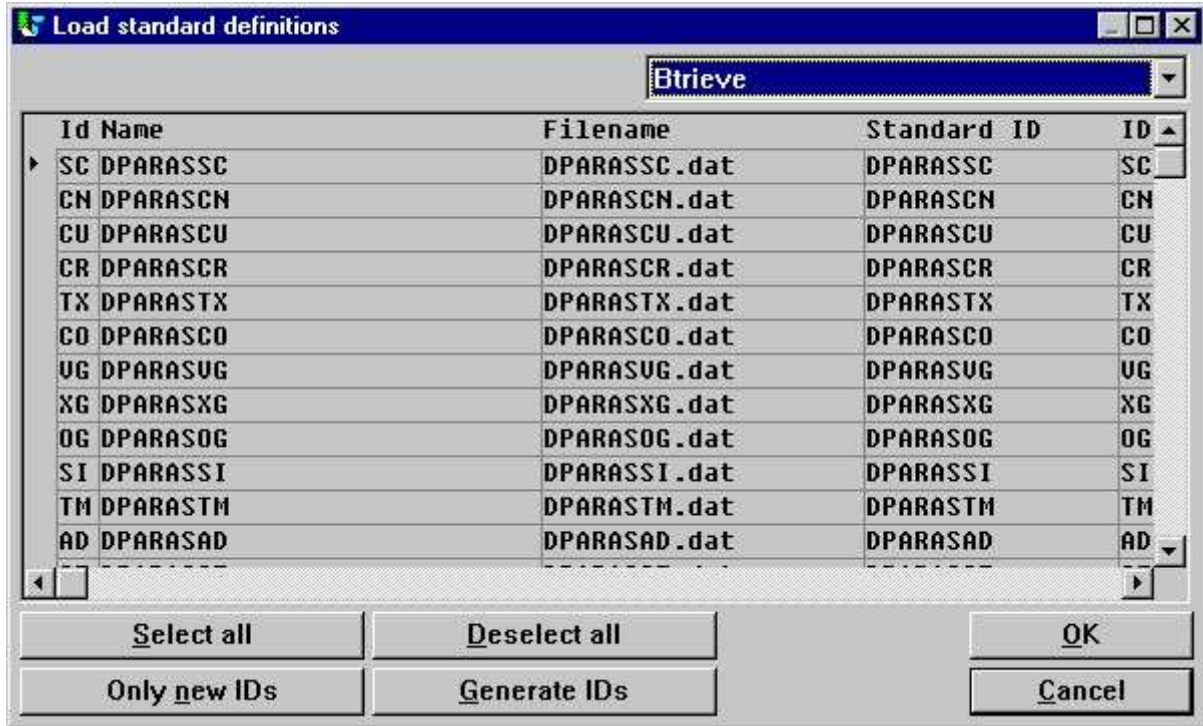
Now the report generator application may be terminated.

### 3.4. Loading the generated dictionary file

Start the Data Dictionary application and follow the steps:

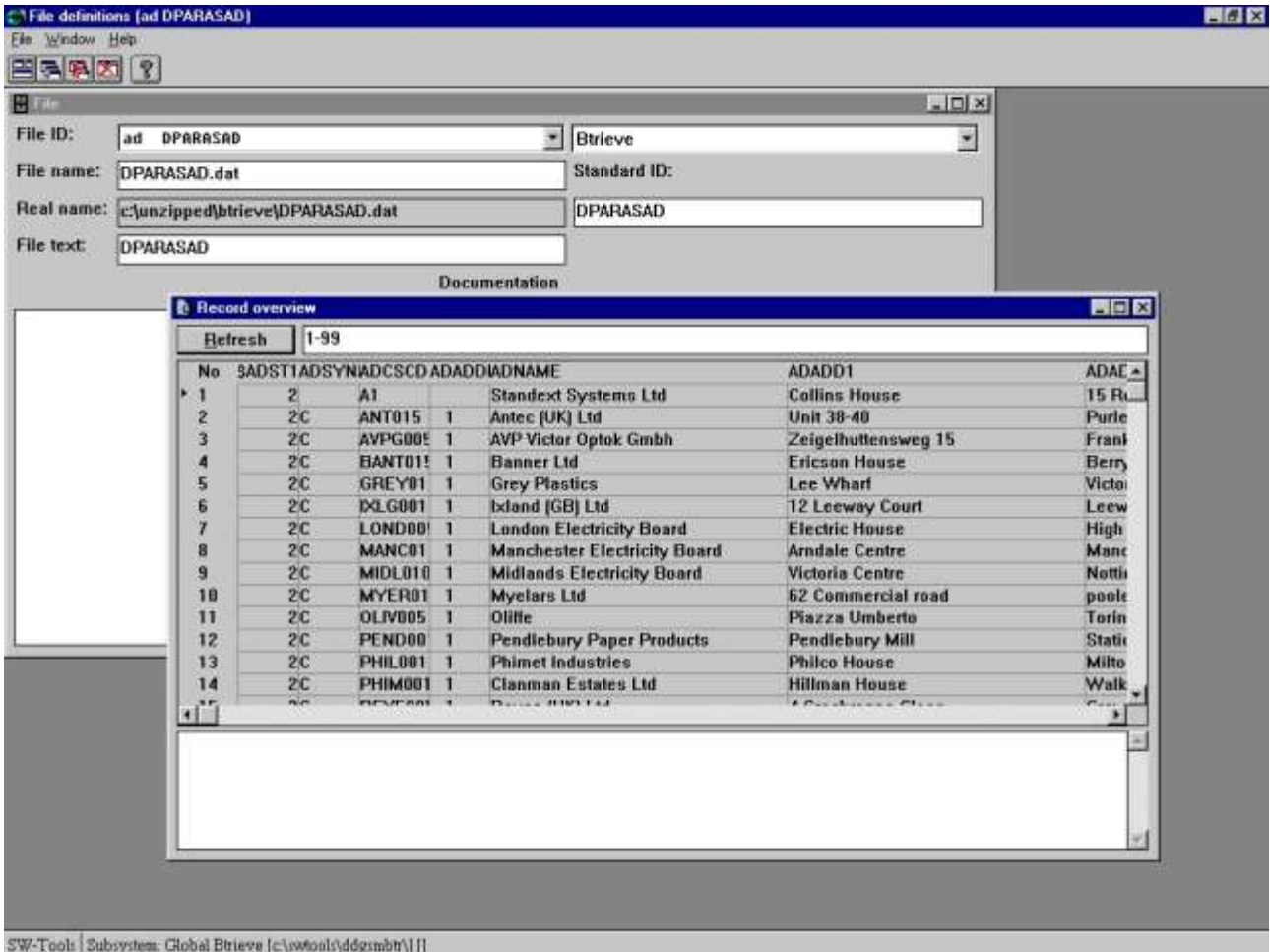
Select **File-Subsystem-Open** and select the **Global Btrieve** subsystem.

Select **File-Load standard definitions** and open the C:\SWTOOLS\DPARAS.FDF file. Now change the type from SSV-Textfile to Btrieve in the top-right combobox.



#### 7. Loading the generated dictionary file

From the File window select the table 'as DPARASAD'. If you select menu **View-Record overview** it should display something like this



**8. Sample test of a Global Btrieve file DPARASAD**

if all is setup correctly.

## **4. Install and setup ODBC driver**

## **4.1. Installing the ODBC driver**

The SW-Tools ODBC driver can be installed from CD by executing the  
**X:\ODBC\32\SETUP.EXE**  
where X is the CD driver letter.

## 4.2. Setup of ODBC data source

The ODBC data source may be setup in the control panel using the ODBC 32-bit administrator. Here is our sample setup:

The screenshot shows the 'Data source configuration wizard' dialog box. The title bar reads 'Data source' and '07.01.9808p / 32'. The 'Name' field contains 'DPARAS' and the 'Description' field also contains 'DPARAS'. Under the 'Path's' section, 'Basis.ssv' is 'c:\swtools', 'Data Dictionary' is 'c:\swtools\ddgsmbtr\'', and 'Database' is empty. The 'Qualifier is' dropdown is 'Not used', 'Table Owner is' is 'Not used', 'Table name is' is 'Standard ID', and 'Remark is' is 'File description'. The 'Advanced options' section has 'Allow update' unchecked, 'SQL names Uppercase only' checked, and 'Sort columns by fieldnumbers' unchecked. Other fields include 'Max name length', 'Fixed basis', 'Company number', and 'Internal Test', all of which are empty. A 'Username' field is also empty. 'Ok' and 'Cancel' buttons are at the bottom right.

**9. Sample data source DPARAS**

### 4.3. Test in Access 97

Here is the sample access of the DPARAS data source table DPARASAD

	\$ADSGC	\$ADST1	\$ADST2	ADADD1	ADADD2	ADADD3	ADADD4
▶	1	2	2	Collins House	15 Rochford W	Slough	SL3 6LT
	1	2	2	Unit 38-40	Purley Way Ind	Purley Way Crc	
	0	2	0	Zeigelhuttenswe	Frankfurt 4541	Main	Germany
	0	2	0	Ericson House	Berryhill Industr	Droitwich	Worcs
	0	2	0	Lee Wharf	Victoria Street	Lantau	Hong Kong
	0	2	0	12 Leeway Cou	Leeway Industri	Newport	Gwent
	0	2	0	Electric House	High Street	Maidenhead	Berks
	0	2	0	Arndale Centre	Manchester		
	0	2	0	Victoria Centre	Nottingham		
	0	2	0	62 Commercial	poole	Dorset	
	0	2	0	Piazza Umberto	Torino	Italia	
	0	2	0	Pendlebury Mill	Station Road	Sandbach	Cheshire
	0	2	0	Philco House	Milton Raod	Croydon	
	0	2	0	Hillman House	Walker Rise	Brentford	
	0	2	0	4 Crochranne C	Crownhill	Milton Keynes	Bucks
	0	2	0	Unit 10-15	Enterprise Way	Bruce Technica	Livingstone
	0	2	0	Unit 6/8	The Rutherford	Dunlop Road	Ipswich
	0	2	0	Stablio House	12 Barlow Moor	Didsbury	Manchester
	0	2	0	Gram House	Sevenoaks Wa	Orpington	Kent
	0	2	0	Universal Board	Canal Street	Crowe	Cheshire

#### 10. Sample access to data source DPARAS



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