

English User Manual

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# **Global and Btrieve 6.15**

22/11/01 / 2022-09-01 008.384

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Global and Btrieve 6.15

# 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 .fdf 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.

Select one or more files		
VZZ	▲ U22	Select all
XBasic	X-Basic	
Dataflex	Dataflex	Deselect all
Btrieve	Btrieve	
SWTools32	SW-Tools 32 Bit	
MS Access 97-Datenbank	Microsoft Access	
dBASE-Dateien	Microsoft dBase-	
Excel-Dateien	Microsoft Excel-	
FoxPro-Dateien	Microsoft FoxPro	
Text-Dateien	Microsoft Text-Tu	
eg3a	SW-Tools 32 Bit	<u>0</u> K
a3moproisus	SW-Tools 32 Bit	
inf95	INTERSOLU 3.01 3	<u>Cancel</u>

#### 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:

😽 Database interface			×
Туре	Btrieve	•	<u>0</u> K
Internal Type	Btrieve		<u>C</u> ancel
Description	Btrieve		
Database path	c:\unzipped\btrieve\		Delete
User			
Password			Advanced
Server			
Connection type	Normal	•	
Server password			
Code conversion	None	•	
Read only	No.	•	

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**.

😽 Subsystem				×
Name:	Global Btrieve		00	02
Password:	1000 1000	Туре:	Normal	•
Company:		Module:	RAPGEN & IQ	•
File definitions:	c:\swtools\ddgsr	nbtr\		
Database:				
Reports:	c:\swtools\ddgsr	nbtr\		
Databaselock:				
Description:				
		<u>0</u> K	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

👌 Reco	rd overview		
<u>R</u> efi	resh 1-99		
No	Table idTable name	Table location	<u> </u>
<b>▶</b> 1	1X\$File	file.ddf	
2	2×\$Field	field.ddf	
3	3X\$Index	index.ddf	
4	4X\$FieldExt	fieldext.ddf	
5	5X\$Comment	comment.ddf	
6	6DPARASSC	DPARASSC.dat	
7	7 DPARASCN	DPARASCN.dat	
8	8 DPARASCU	DPARASCU.dat	
9	9DPARASCR	DPARASCR.dat	
10	10DPARASTX	DPARASTX.dat	
11	1100404900	DDADA900 dat	

### 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**.

No	Name		<b>_</b>	<u>0</u> K	
0	Screen			Cano	el
1	DPARAS.FDF	DPARAS.FDF			
	÷			<u>I</u> nse	rt
				<u>D</u> ele	te
				<u>S</u> etu	р
	I		<u> </u>	Eon	t
Measur	ement	cm	-	Server s	pool
Margins	6		Page width		21.00
Left ma	rgin	0.00	Page height		29.70
Right m	argin	0.00	Standard line he	eight	0.00
Top margin 0.00		_	er		
Bottom	margin	0.00	 □ □ Fit to page <u>w</u>	idth	
	Get printer minim	um		when finnis	hed

### 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.

📲 Multi Format Out	tput	×
<u>F</u> ile		
Туре	1=Text printer	•
Options	<b>1=T1:Do NOT form feed for each page 0x0c</b> 2=T1:Do OemToAnsi conversion 4=T1:Do NOT strip page 8=T1:Do NOT cut fields 16=T1:Do NOT Calculate for no cut of fields 64=T2:Do NOT generate multiple pages 128=T2:use textprinter to make fixed output 512=T2:make BMP instead of GIF 1024=T2:do NOT include pictures 8192=T2:Do NOT include headers	
Output to file	c:\swtools\dparas.fdf	
View output with	notepad	
Definition file	<u></u>	
	<u>O</u> K <u>C</u> ance	

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.

😺 Load standard definitions			
	Btrieve		F
Id Name	Filename	Standard ID	ID 🔺
SC DPARASSC	DPARASSC.dat	DPARASSC	SC_
CN DPARASCN	DPARASCN.dat	DPARASCN	CN
CU DPARASCU	DPARASCU.dat	DPARASCU	CU
CR DPARASCR	DPARASCR.dat	DPARASCR	CR
TX DPARASTX	DPARASTX.dat	DPARASTX	TX
CO DPARASCO	DPARASCO.dat	DPARASCO	CO
UG DPARASUG	DPARASVG.dat	DPARASVG	VG
XG DPARASXG	DPARASXG.dat	DPARASXG	XG
OG DPARASOG	DPARASOG.dat	DPARASOG	OG
SI DPARASSI	DPARASSI.dat	DPARASSI	SI
TM DPARASTM	DPARASTM.dat	DPARASTM	TM
AD DPARASAD	DPARASAD.dat	DPARASAD	AD 🚽
			<u> </u>
<u>S</u> elect all	Deselect all	<u> </u>	<u>)</u> K
Only <u>n</u> ew IDs	Generate IDs	<u>C</u> a	ncel

### 7. Loading the gegerated dictioanry file

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

ile ID:						(pul		
ne nj.	ad DPRRRSRD				-	Btrieve	의	
ile name:	name: DPARASAD.dat			Standard ID:				
leal name:	ame: c:\unzipped\btrieve\DPARASAD.dat		DPARASAD					
ile text:	DPARA							
	017001	UNU						
	1	D. Dan	and committee	0	ocumentation	6		
		to near	ard overvier	1.00				
		Her	resh	1-33				
		No	SADSTIA	DSYNADCSCD AD	ADDIADNAME		ADADD1	ADAE_
		P 1	2	Al	Standext	Systems Ltd	Collins House	15 R.
		z	20	AN1015 1	Antec (UK	g Ltd	Unit 38-40	Purle
		3	20	AVPG00E 1	AVP Victo	r Optok Ginbh	Zeigelhuttensweg 15	Frank
		4	20	HANTON 1	Banner L	td	Ericson House	Berry
		5	20	GREYUT 1	Grey Plat	SUCS	Lee Whan	Victor
		5	20	DALGOUT 1	Extand (G	Bj Lia	12 Leeway Court	Leew
		1	20	LONDOU	London E	lectricity Board	Electric House	High
			20	MANCUI I	Manches	ter Electricity Board	Arnitale Centre	Manc
		3	20	MIDLOTO I	Midlands	Electricity Board	Victoria Centre	Notu
		10	20	MYERUI I	Myetars I	110	bz Commercial road	poote
		11	20	DENDOO 1	Onne	- Dana Bandarda	Prazza Umberto	Ctatio
		12	20	DUILO01 1	Chimetia	ry Paper Products	Pendiebury Mill	Milto
		14	20	DUMORT 1	Clanman	Estates 1 td	Hillman Hause	Milto
		14	20		Ctaninan Deser ///	L'STRIES LIU	A Condenses Class	TY alk y

8. Sample test of a Global Btrieve file DPARASAD

if all is setup correctly.

Global and Btrieve 6.15

# 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:

Data source		07.01.9808p /
<u>N</u> ame	DPARAS	
<u>D</u> escription	DPARAS	
Path's		
<u>B</u> asis.ssv	c:\swtools	
Data Dictionary	c:\swtools\ddgsmb	tr\
D <u>a</u> tabase	ſ	
<u>Q</u> ualifier is	Not used	Advanced options
Table Owne <u>r</u> is	Not used	Allow <u>u</u> pdate
Table name <u>i</u> s	Standard ID	SQL names Upp <u>e</u> rcase only
Remar <u>k</u> is	File description	Sort columns by fieldnumbers
$\underline{M}$ ax name length	[	
<u>F</u> ixed basis		
Company number	[	Username
Internal Test	r	Ok Canad

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 Wa	Slough	SL3 6LT
	1	2	2	Unit 38-40	Purley Way Ind	Purley Way Cro	
	0	2	0	Zeigelhuttenswe	Frankfurt 4541	Main	Germany
	0	2	0	Ericson House	Berryhill Industr	Droitwich	Worcs
2 14	0	2	0	Lee Wharf	Victoria Street	Lantau	Hong Kong
	0	2	0	12 Leeway Cou	Leeway Industri	Newport	Gwent
	0	2	Ő	Electric House	High Street	Maidenhead	Berks
	0	2	0	Arndale Centre	Manchester		
8 10	0	2	0	Victoria Centre	Nottingham		
	0	2	0	62 Commercial	poole	Dorset	
	0	2	Ő	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 Tachnica	Livingstone
	0	2	0	Unit 6/8	The Rutherford	Dunlop Road	lpswich
	0	2	0	Stablio House	12 Barlow Moor	Didsbury	Manchester
	0	2	0	Gram House	Sevenoaks Wag	Orpington	Kent
9 9.Y	0	.2	0	I Inivareal Roard	Canal Street	Crowo	Chachira

10. Sample access to data source DPARAS

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