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Overview

This document provides detailed procedures for the conversion from TK2000 to TKSQL, as utilizing the **ConvToSQL.exe** utility. **ConvToSQL.exe** reduces the conversion to a streamlined procedure and reduces the chance of receiving errors.

Several additional notable advantages when using this utility are:

- There is no need to remove records from the attendance tables.
- There is no need to run recalculation for TK2000.
- The file conversion is run for four files simultaneously.
- Whenever the system encounters an error in one of the files, it immediately registers the error into a log file that can be viewed for later reference, while all other records are converted without interruption.
- There is currently automatic repair for certain types of errors.

Pre-Conversion Steps

Before using the conversion tool, follow these steps and guidelines. The diagram presents an overview.



1. Planning the Conversion Process

- a. Check if the client has special programs installed on his TK2000 system; use the TkSpList.exe program to check.
 - If so, ensure that these programs exist for TKSQL.
 - Run a test to ensure that they work properly and compare the results to TK2000.
 - If the programs do not exist for TKSQL, the Development department will need to convert these programs. This can delay system conversion from (on average) one

to two months.

- **b.** Run **Confcheck.exe** program on the client site to check environment compatibility (collation). Do as follows:
 - i. From the TKSQL folder, double-click ConfCheck.exe
 - ii. In the **Configuration Check** screen, enter the server where conversion is performed.

EVANR\SQL2005	Browse
lication	
	EVANR\SQL2005

iii. Click **Next**. The results arrive within seconds.

Configuration Check	k	
Results. 1. The server's collat 2. The MDAC version	ion must be CASE INSENSITIVE. n at the workstation must be at least 2.6	8~ 3
Server collation:	Hebrew_CI_AS	
MDAC Version:	2.81.1132.0	
	< Back Finish	Cancel

- iv. Click Finish. If the client is not compatible, notify the customer's IT manager, who will need to review the TKSQL system requirements.
- c. For customers running Canteen Manager, you must rebuild the definitions in TKSQL.
 This, too, can be time-consuming; notify the customer and plan accordingly.
- d. For customers running the Department Allocation module, you must transfer the DA data to TimeCosting. Since this is (on average) one full day of work; notify the customer and plan accordingly. Additionally, notify the customer in advance that DA will be on one order level, with no related jobs functionality.

See the section Post-Conversion Procedures for details.

2. Steps to be Followed by the Customer Prior to Conversion

- a. If the customer is running iBrowse, inform him that iBrowse does not get converted, and as a result, all supervisors need to authorize all records waiting for authorization.
- **b.** From the customer, receive the following:
 - A copy of the TK2000 file (i.e via FTP, etc.). Ensure that from the moment the client sends this file, he will **not use** the TK2000 system until the conversion process is finished and you confirm that it it ready for usage.
 - The date of the records from which conversion should be activated.

3. Setting Up the Environment

a. Upgrade to the latest version of TK2000.

- b. CompareDB updates the dates in tables and relevant messages. Programs earlier than the December 2008 release will not work when running the conversion between different servers when the User is not an SA (system administrator) as well as when using Windows Authentication.
- c. Create two new SQL databases by installing the latest TKSQL version, one for conversion and one for ComparDB.
- **d.** If an instance of TKSQL exists on the computer where the conversion will be run, upgrade the **TKSQL Programs** folder to the latest version.
- e. Install a FoxPro driver on the SQL Server, and then perform initialization. Since this driver exists only in 32-bit versions, the conversion is only possible for systems running on 32-bits.
- f. Disable Autopolling and any other TK-related schedulers.
- g. There are two possibilities regarding where to place the files that are intended for conversion:
 - Directly (physically) on SQL Server (recommended option) this can prevent possible time-outs and crashes.



• On a separate server - If so, the files must be defined as "shared" with SQL Server.





4. Final Preparation Steps

- a. In GenMemo conversion, if the amount of characters exceed the 1024 limit, the memo will not be converted, and so will be redirected to the log as an error.
- **b.** In the customer's TK2000 system, ensure that there are no reports and parameter files with the same name, such as one with lower-case letters and the other with

upper-case letters; the conversion process will convert only one of them. If so, change the name of one of those reports or files. Additionally, the report's name must be changed in the SELECT, MENU, PARAM, and TOOLMENU tables.

- c. Check the service programs and ensure that the date of the daily records for which the customer wants to run the conversion is consistent with the date that he provided.
- d. Whenever the conversion program encounters a file which has a problem with conversion, it attempts to fix the file and automatically rerun the conversion. Larger files take longer to convert, and therefore the default is set to repair files which are under 48 MB in size. It is possible to modify the default size limit. Do as follows:
 - i. Go to C:\TKSQL, and open sized.FoxToSQL.
 - ii. Change maxDupSize to your desired size.

🗗 sized.FoxToSQL - Notepad	×
File Edit Format View Help	
xml version="1.0" encoding="UTF-16" ?	^
<data> <foxtosql< td=""><td></td></foxtosql<></data>	
TK2K_data_folder="F:\TK\TK2000\data_tamat"	
language_001="HEBREW"	
language_002="ENGLISH"	
language_003="(none)" />	
<sqlconnection <="" server="sql-srv" td=""><td></td></sqlconnection>	
database="QA_SECURITY" userName="sa"	
password="You don't really expect to see	
one here, do you?" /> Maximum size</td <td></td>	
(in megabytes) of the files from which	
duplicates shall be extracted>	
<dup_settings(maxdupsize="48")></dup_settings(maxdupsize="48")>	
	\sim

iii. Save when done.

Using the TK2000 to TKSQL Conversion Tool



To use the conversion tool:

IMPORTANT:

- To cancel the conversion at any time, click Cancel at the bottom of the tool.
- DO NOT run two instances of the utility; this creates errors and possible system crashes.
- From the TKSQL directory, double-click the ConvToSQL.exe utility. The Fox to SQL Conversion Wizard is displayed.
- 2. Do as follows:
 - a. In Server, select the server where you want to perform conversion. In the event that the conversion will be done on another server, enter //, then the server's name and the file's path.
 - b. Select authentication mode. If you are using SQL Server Authentication, select Use
 SQL Server authentication.
 - If you are using SQL Server Authentication, select Use SQL Server authentication.
 Enter User Name and Password.
 - In **Database**, select the database on which the TK2000 folder is to be converted.
 - c. If you do not select SQL Server Authentication, you must use Windows
 Authentication Mode and so User Name, Password, Database will be disabled.
 - d. In Update TKSQL.ini, select if you are using a TK2000 database other than the one specified in the TKSQL.ini file. This will update the TKSQL.ini file.

Choose the server and database I Please input the connection data fo You can also drop a file with conver	to update. ryour TKSQL database. sion settings on this screen.	~
Ser <u>v</u> er	SQLISRV	Biowse
Use SQL Server authentication		
<u>U</u> ser Name	sa	
Password		
Database	TIMEKEEPER_TARGE	T V
Update TKSQL.INI		
In order to proceed, you must TKSQL.INI to use the databa	either work on the database specified in TKS se above.	QL.INI, or update
	< Back	Next > Cancel

- **3.** Click **Next**. Do as follows:
 - a. At the top, browse to the location where the TK2000 data folder is located.
 - **b.** In **Language**, select the customer's language/s, as defined in System Configuration.

Choose Cho car	your source folder and files. ose the folder where the SYSCNF.DBF and ALL OTHER .DBF file(s) you would like to convert be found.
Type, pi	k or drop the share/folder (as seen by the SERVER), where TK2000 DATA can be found.
W:\Ms:	ql\Backup_files\ASSAF-Z\DATA Browse
Langua	es (to convert names and messages):
	ENGLISH
	(none)
	[none]

4. Click Next. In the next screen, select the files to be converted according to the customer's

configurations (or alternatively, select all files) and set the range of dates for each table to convert the records (can be set to unlimited).

🅶 Fox to SQL Conversion Wizard (ConvToSql.exe)	
Pick the files you want to convert to SQL tables. Mark the file(s) you would like to convert and specify the date range(s) to be converted.	0~0
All other (system) files	
Contracts	
✓ TableA	
☑ TableH	
TableG	
GenMemo	
Select	
Param	
Imagesp	
< Back Next >	Cancel

5. Click **Next** to continue.

Pick the files you want to o Mark the file(s) you would li	convert to SQL tables. the to convert and specify the	date range(s) to l	be converted.	6 ×
Employees, badges and pics]			
Critchg and Emplog				
	01/01/2006	~	31/12/2010	~
DADAY (to TCDAY)	01/01/2006	~	31/12/2010	~
ICDAY	01/01/2006	~	31/12/2010	~
DNDAILY	01/01/2006	~	31/12/2010	~
LAUDIT	01/01/2006	~	31/12/2010	~
Crgsched				
Period	2006	\$	2010	\$

6. Click **Next** to continue.

Mark the file(s) you wou	Id like to convert and specify	s. v the date range(s) to	be converted.	
✓ TCper	2006	**	2010	\$
ABSTRX	2006	\$	2010	**
ABSFOLOW	2006	\$	2010	\$
✓YTD	2006	\$	2010	\$
🗹 Annual				
IMCTRL				
V IMLevel				
✓ IMReader				
✓ IMSite				

7. Click Next. Select the documents to be converted.

Word documents. MS Word documentation from TK2000 should also be taken into TKSQL.	0
Please check the document subjects you would like to store in the TKSQL database.	
System Documents	
Employee Documents	
General Documents	

- Click Next. The Additional TKSQL Utilities screen is displayed, enabling you to select additional utilities to run. Note the following:
 - The TKSQL programs folder is taken from the customer's system and automatically

displayed; do not change it.

- If it is the first time you are performing conversion on this system, the TKgrpdef and ChkExpr programs are disabled for selection.
- If "All System Files" is selected from the Pick the Files You Want to Convert to SQL Tables screen, the TKgrpdef and ChkExpr programs are automatically selected, and these programs cannot be disabled.
- If you select **ComparDB**, (recommended), in **Server**, enter the server where it will run.
- If you are using **SQL Authentication**, select it, and enter the **User Name** and **Password**, and then in **Database**, select where **CompareDB** is located.

Additional TKSQL Utilities Choose additional utilites to run (like TKGRP) where the TimeKeeper SQL programs are rep	DEF, CHKEXPR and COMPAREDB), gistered.	from the folder 🛛 📀
C:\TKSQL_version050901		
Programs to run after conversion:		
TKGRPDEF.EXE		
ChkExpr.exe		
Run CompareDB.exe, using the following S	ource Data Base for Comparison:	
Ser⊻er	SQL-SRV	Browse.
Use <u>SQL</u> Server authenti	cation	
<u>U</u> ser Name	sa	
Password		
Database	TIMEKEEPER SOURCE	
	25	

- 9. Click Next. The Execute the Desired Conversion Settings screen is displayed.
- 10.(Recommended) Save the settings under a profile name that will enable the user to rerun the conversion procedure without the need to perform the same steps: selecting the SQL servers, TK2000 target files, and tables for conversion. Once saved, this profile (containing the predefined conversion definitions) can be loaded either by double-clicking the file or by dragging the file to the program screen. Do as follows:
 - a. Click Save Settings.

'] Delete dat	a before conversi	on				
Table	Action	Since	Until	Curr. rec.	Curr. date	Err. count
8 6	1	2	8 8 8	1	E	3 8
10			1	0		-
9 8	1	4	3 8 8		G	4 3 0

b. Save by assigning a profile name with an extension of **ConvToSQL**.

Save As				? 🛛
Save jn:	🗢 Local Disk (C:	1	💽 🗿 🖉 💌 🛙	. .
My Recent Documents Desktop My Documents	 tk2000_bondue tk2000_ForCor tk2000_sprint tk2000_sprint tk2000_sprint_ tk2000_zeev tk20005et.200 tk2005et.200 t	ille nversion version 3 5 SET DATED JUL-31-2008 050901 e File e log File	Control Contro	24-07-2007 25-02-2008
	<			>
	File <u>n</u> ame:	Test.ConvToSQL	~	Save
My Network	Save as type:	Fox to SQL Conversion W	/izard Settings 🛛 🔽	Cancel

- c. Click Save to return to the Execute the Desired Conversion Settings screen.
- 11. If Delete Data Before Conversion (on the left side) is checked (default) it will erase the data from the new SQL DB (target) and update the records from TK2000. If you want to add a range of dates to an existing table for a client which already works on an SQL database, it is important to disable this option and ensure that there is no overlapping range of dates already preselected.

Click EX Duplicate convertir Delete da	ECUTE to conver e records shall be ng by checking 'D ta before conversi	t the FOX data fi skipped, but you elete data before or	ile(s) you picked a can delete da e conversion' b	d to SQL. ta for the desired elow.	date range be	fore
			-			
			Execute			

12.To begin the conversion process, click **Execute**.

Execute the	e desired convo	ersion.				
Click EX	ECUTE to convert	t the FOX data file	e(s) you picked	d to SQL.		6.00
Duplicati	e records shall be	skipped, but you	can delete dal	ta for the desired	date range be	fore
convertir	na hy checkina 'D _'	elete data before	conversion' be	elow.		
	ig by checking b					
	.g c, c					
🔲 Delete da	a before conversi	oni				
🔲 Delete da	ta before conversi	on	_			
🔲 Delete da	ta before conversi	on	Fuenute			
Delete da	ta before conversi	on	E <u>x</u> ecute)
Delete da	ta before conversi	on	E <u>x</u> ecute			

The conversion process begins. During the conversion a graphic presentation of tables conversions (along with error count) will show.

🛛 Delete data t	before conversion					
			Execute			
Table	Action	Since	Until	Curr. rec.	Curr. date	Err. count
SYSCNF	Done.			1		
AbsFolow	Waiting	01/01/2006	31/12/2010	0	01/01/2006	- 1/2
AbsTrx	Waiting	01/01/2006	31/12/2010	1 0	01/01/2006	2 6
Daily	Waiting	01/01/2006	31/12/2010	- 0	01/01/2006	1 1/10
DnDaily O	Waiting	01/01/2008	31/12/2010	0	01/01/2008	1
Audit	Waiting	01/01/2006	31/12/2010	0	01/01/2006	-
Period	Waiting	01/01/2006	31/12/2010	0	01/01/2006	
TCDay	Waiting	01/01/2008	31/12/2010	0	01/01/2008	- 1/1
Daday	Waiting	01/01/2008	31/12/2010		01/01/2008	316
Year To Date	Waiting	01/01/2006	31/12/2010	- 0	01/01/2006	1 110
	Save settings			V	iew log files	

13. When the conversion process is finished, the Finish and View Log Files buttons become

enabled (do not click Finish at this point).

14.Ensure that the screen remains open.

- **15.**Run the **FixPasswordSQL.exe** program to convert user passwords. Do as follows:
 - a. From the **TKSQL** folder, double-click **FixPasswordSQL.exe**.
 - **b.** From the **TimeKeeper SQL Security Enhancements** screen, enter the server and database.

Server	EVANR\SQL2005	Browse
Use SQL Server authentication		
User Name		
Password		
Database	TIMEKEEPER_LATEST	

c. Click Next. In the Fix Your Database screen, click Execute. The conversion takes a few seconds, and the converted passwords are displayed on the right.

	Execute	
Employee	User 3939 4 4 4 4 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5	

d. Click Finish.

Reviewing the Log Files

After conversion, it is important to review the automatically-created log files to verify the conversion's success.

Some points before you begin:

• Some successful conversions have the words **Failure at First Attempt at Conversion of....**displayed. This means that although the system failed to convert a certain record or file the first time, it might succeed in the following conversion process.

	Synerion Systems Ltd.
Log Files	Successfully converted TABLEC (243 records)
<u>All to SQL</u> <u>CHKEXPR Emp</u> <u>CHKEXPR errors</u>	Failure at first attempt of conversion of TABLED 0x00000000 ['DRIVER=MICROSOFT VISUAL FOXPRO DRIVER;SOURCEDB=c:\negev\tK2000 UATA;SOURCETYPE=DBF'] 0x80040E2F [Violation of PRIMARY KEY constraint PK_TABLED_NUMBER'. Cannot insert duplicate key in object 'dbo.TABLED'.] 0x80040E2F [The statement has been terminated.]
	Successfully converted TABLED (510 records) Successfully converted TABLEF (54 records) Successfully converted TABLEE (827 records) Successfully converted TABLEI (22 records) Successfully converted TABLEK (23 records) Successfully converted TABLEKX (51 records) Successfully converted TABLEJ (148 records)

• Errors are marked in red, for example:

	Synerion Systems Ltd.						
Log Files All to SOL 	Successfully converted TCCNF (1 records) File TCMEMO is empty.						
<u>CHKEXPR Emp</u> <u>CHKEXPR errors</u>	FAILURE CONVERTING DATA'TK2BAAN.DBF (Source file not found)						
	File TCPER is empty.						
	File YEARDEF is empty.						
	Successfully converted USERS (20 records)						
	Successfully converted CODNAMES_HEBREW (721 records)						
	Successfully converted ERRORS_HEBREW (2447 records)						
	Successfully converted IMAGESP_HEBREW (5451 records)						
	Successfully converted MENU_HEBREW (1185 records)						
	Successfully converted MES40_HEBREW (25150 records)						
	Successfully converted MES80_HEBREW (13810 records)						



To review the log files:

- Open the Fox to SQL Conversion Wizard (ConvToSQL.exe) Execute the Desired Conversion screen, if it isn't already open.
- 2. Click View Log Files to view the automatically-created log files.

Delete data b	efore conversi	on				
			Execute			
Table	Action	Since	Until	Curr. rec.	Curr. date	Err. count
ТСМЕМО	Empty.		- main			
TCPER	Empty.	22	000	and the second s	1.	-
TK2BAAN	***** FAILU.		316 0	* = * = * =	1-	216
USERS	Done.	di .4	0110	4	10	1 1/0
YEARDEP	Empty.	-	2 N	0		1
CODNAMES	Done.		-	77		
ERRORS_E	Done.	1000	1	2446	1	and the second
MENU_ENG	Done.	4	2	349	1	-
MES40_ENG	Done.		3 3 3	25150		3 3
MESSU_ENG	Done.	0 4	110	13810	-0	4 // 1
			-			

 The log files main screen opens through the web browser. The default screen displays the All to SQL selection from the Log Files list on the left, and describes conversion of the configuration tables (such as SYSCNF, Table A , etc).

	Synerion Systems Ltd.					
Log Files	Execution log for the conversion of TK2000 files to SQL					
Big file conversion CHKEXPR Emp	Starting at 2010-11-25 10:20:42.210					
 <u>CHKEXPR errors</u> <u>ConvDocs log</u> 	Successfully converted SYSCNF (1 records)					
	Successfully converted SYSEXT (1 records)					
	File ABSGROUP is empty.					
	File ALLOW is empty.					
	File ACTIVITY is empty.					
	File ALLOWDEF is empty.					
	File AUTOLEV1 is empty.					
	File AUTOLEV2 is empty.					
	Successfully converted APS(NE(1 records))					

4. From the Log Files list on the left, select Big File Conversion. This log file describes conversion of record holding tables (such as the Daily, Period, etc.). This example displays a successful conversion:

	Synerion Systems Ltd.	
Log Files	/*	
All to SQL Big file conversion CHKEXPR Emp CHKEXPR errors ConvDocs log	TKSQL Connection: Server: lpv-zivd Database: ktest Authentication mode: Windows Conversion source: TK2000 data folder: \\lpv-zivd\C\life\TK2000\data Tk2000 languages: HEBREW, ENGLISH All other files. File 'ABSFOLOW.DEF', year range 2006 to 2010. File 'ABSFOLOW.DEF', date range 2006 to 2010. File 'ABSTRX.DEF', date range 2006 to 31/12/2010. File 'NNAILY.DEF', date range 01/01/2006 to 31/12/2010. File 'LAUDIT.DEF', date range 01/01/2006 to 31/12/2010.	
	File 'PERIOD.DBF', year range 2006 to 2010. File 'TCDAY.DBF', date range 01/01/2008 to 31/12/2010. File 'DADAY.DBF', date range 01/01/2008 to 31/12/2010. File 'YTD.DBF', year range 2006 to 2010. File 'TABLEH.DBF', no date range. File 'TABLEG.DBF', no date range.	>

5. From the Log Files list on the left, select CHKEXPR Emp. This log displays all expressions

with values relating to the employees' file.

NOTE: The information displayed in this log is also included in the CHKEXPR Errors log.

		S	yn	erion S	y	stems Ltd.		
Log Files								
	Server: lpv	-zivd Database: t	ktes	t				
<u>All to SQL</u>	Error Codes: -1 - Syntax Error;							
Big file conversion CHUEVDE Free		-2 - Evaluatio	n Er	ror.				
 CHKEXPR errors 	Table	Index	Col	Field Name	Err	Field Value		
 ConvDocs log 	FIMPEXP	PROFILE=123	8	EXPORT_EXP	-1	EMP_STAT(date()))		
	LIMPEXP	PROFILE=100	9	COND_EXPR	-2	EMP_STAT(date())<99. and.val(EMPLOYEE->DINER_TYPE)		
						>0.and.val(BADGE->EMPLOYEE)>0		
	LIMPEXP	PROFILE=300	9	COND_EXPR	-2	EMP_STAT(date())<99.and.val(EMPLOYEE->DINER_TYPE)		
						>0. and.val(BADGE->EMPLOYEE)>0. and.val(EMPLOYEE->I		
						INER_TYPE)<5		
	End of rep	ort						

 From the Log Files list on the left, select CHKEXPR Errors. This log displays errors relating to system tables and import/export profiles.

If there are errors, correct them by logging in to TKSQL, and correcting them manually.

		Syn	erion Sys	tems Ltd.			
Log Files	Server: lpv-zivd Database: tktest						
	Error Cod	Error Codes: -1 - Syntax Error,					
<u>All to SQL</u> Dia Standard	m	-2 - Evaluation En	ror.				
<u>Dig me conversion</u> <u>CHVEYDR Emp</u>	Table	Index	Col Field Name	Err Field Value			
CHICEXPR Emp	TABLED	TABLE_NUM=2	5 COND_EXPR	-2 DNDAILY->ML01_UNITS+DNDAILY->ML02_UNITS>1 and val			
<u>ConvDocs log</u>		DAY_TYPE=0		(EMPLOYEE->DINER_TYPE)=2			
	TABLED	TABLE_NUM=2	5 COND_EXPR	-2 DNDAILY->ML01_UNITS>0.and.DNDAILY- >ML02_UNITS>0.a			
		DAY_TYPE=0		nd.DNDAILY->ML01_UNITS+DNDAILY- >ML02_UNITS>2.and			
				val(EMPLOYEE->DINER_TYPE)=3			
	TABLED	TABLE NUM=2	5 COND EXPR	-2 DAILY->ATT_WAGE>=9.3 and val(EMPLOYEE->DINER_TYPE			
		DAY TYPE=0	-)=3			
	TABLED	TABLE NUM=2	5 COND EXPR	-2 DAILY->ATT WAGE>=9.3 and val(EMPLOYEE->DINER TYPE			
		DAY TYPE=0	-)=3			
	TABLED	TABLE_NUM=2	5 COND_EXPR	-2 DAILY->ATT_WAGE>=9.3 and val(EMPLOYEE->DINER_TYPE			
	enter Beroeneen	DAY_TYPE=0)=3.and.DNDAILY->ML01_UNITS+DNDAILY- >ML02_UNITS>3			
	TABLED	TABLE_NUM=2	5 COND_EXPR	-2 (DNDAILY->ML04_UNITS+DNDAILY- >ML08_UNITS>0).and D			
		DAY_TYPE=0	1	AILY->ATT_WAGE>=9.3. and val(EMPLOYEE->DINER_TYPE)			

7. From the Log Files list on the left, select ConvDocsLog. This log displays documents

relating to the employee master file.

	Synerion Systems Ltd.
Log Files • All to SQL • Big file conversion • CHKEXPR Emp • CHKEXPR Ferrors • ConvDocs log	Date: 15/11/2010 Time: 12:44:16 TK2000 source System path: c:\negev\TK2000 Data directory: DATA TKSQL connection properties Server: lpv-zivd Database: zivtest User name: Authentication: SQL Convert EMPDOCS - start Total converted records: 0

8. Some errors can be fixed by rerunning the conversion. If you need to do so, go to the next section, Post-Conversion Procedures for the TKSQL System.

Post-Conversion Procedures for the TKSQL System



After the initial conversion, perform the following steps in TKSQL:

- Use the ExprFix.exe tool to verify that manual corrections done after reviewing the CHKEXP Errors log were actually corrected. Do as follows:
 - a. From the folder where the additional utilities, double-click ExprFix.exe.
 - b. Check the resulting log file. Any existing errors are displayed under Table and Index. (Note that this log does not display errors.)

🕞 exp_error. log - Notepad	
File Edit Format View Help	
Server: lpv-ovedh Database: LAKOACH	^
Error Codes: -1 - Syntax Error; -2 - Evaluation Error.	
Table Index Col Field Name Err Field Value 	-
End of report	~

- 2. If the customer is running Department Allocation, perform the procedures in Appendix A.
- **3.** For customers running Canteen Manager installations, you must rebuild the definitions in the Canteen Manager module.
- Ensure that all new functionality in TKSQL since the most recent set's release is installed (i.e. menus, service packs, etc.).
- 5. Check that you can enter and exit the system correctly.
- 6. Check that all interfaces with external systems are working properly.
- In TKSQL, run daily and periodic calculations for a sample period by using the CompareF2S.exe tool. Do as follows:

- a. From the folder where the utilities are located, double-click CompareF2S.exe. The Compare Fox File to SQL Table screen is displayed.
 - In **Server**, browse to the server where the TKSQL database is located.
 - If you select Use SQL Server authentication, you must enter a user name, password, and the TKSQL database name. Alternatively, if authentication is provided by Windows Authentication, leave Use SQL Server authentication unselected, and do not enter any information.

Choose the server and database to com Tables in the TKSQL database you select to	pare. will be compared to the corresponding FOX (.dbf) files.
Ser <u>v</u> er	LP-SAGIS Browse.
Use SQL Server authentication	
<u>U</u> ser Name	sagi
Password	••••
Database	logic_test

b. Click **Next**. Enter the server where the Timekeeper files are found, and select the files to compare.

NOTE: You do not need to select all the possible files now. You can select some of the files and then rerun the tool later.

- Period period calculations
- Tcper period tasks
- **Dnperiod** period meals
- Absfolow period absences

Choose your FOX folder and files. Files chosen from this folder will be compared to the c	corresponding database tables.	
Type, pick or drop the folder, where TK2000 DATA can b	e found.	
CATK2000ADATA		Browse
Files to compare:		
Period		
<u>D</u> nperiod		
Absfolow		
	Park New Y	Casad

NOTE: This example uses Period.

c. Click Next. The Choose the Range of Records screen is displayed.

Period Code					4 🗘
From	2010	¢			12
To	2011	*			3
Set and Add and	other	Si	et	F	leturn to List

d. Do as follows:

- In **Period Code**, enter the period code that want to use to perform the check.
- In **From/To**, enter the date range for which you are performing the check (Year, then month).
- If you want to add additional codes to perform the checks, select Set and add another, and then add the code.
- To continue with this procedure, click **Set** and then **Next**.
- e. After clicking **Next**, from the **Execute the desired comparison** screen, click **Execute** to run the comparison. The results are displayed shortly:



f. Click **Save settings** to save the results for future reference, or **View log files** to view detailed results off the check. See the following example:

Comparison results

Table of Contents

- <u>User choices and configuration</u>
 <u>Statistics</u>
 <u>Period</u> (1 differences)

User choices

FOX data folder: C:\TK2000\DATA

Connection:

Server:	LP-SAGIS
Database:	Hamizrach
Authentication mode	SQL
User name:	sagi
Password:	••••••

Files (configured and checked):

File Name:	Friendly Name:	DII Name:	Enabled:	Checked On Screen:	Checked By Default:
Period.dbf	Period	CmpPeriods.dll	yes	yes	yes
Tcper.dbf	Tcper	CmpTcper.dll	yes	no	no
Dnperiod.dbf	Dnperiod	CmpDnperiod.dll	yes	no	no
Absfolow.dbf	Absfolow	CmpAbsfolow.dll	yes	no	no

Period ranges:

Accumulation Code:	From Year/Period:	To Year/Period:
4	2010/12	2011/3
4	2010/12	2011/3
9	2010/12	2011/3

Statistics

Start time:	16/03/2011
End time:	16/03/2011
Total time:	00:00:00 (0.618 seconds)
Fox records:	1
SQL records:	0
Total records:	1 (1.618 per second)
 Total differences:	1

Up to <u>Table Of Contents</u>

File Period results

Statistics

Fox records read: 1

SQL records read: 0

1 differences found

Differences

Кеу	Туре	Field name (SQL)	Fox value	SQL value	
{4:2011-1}'5'0	FOX record wit	FOX record without a corresponding SQL record.			

Up to Table Of Contents

- g. The above example shows that a difference was found. If so, investigate the problem in the system (in this case, go to period calculations), and then rerun the tool.
- 8. Check the **Sysconfig** screen and the TKSQL passwords.
 - a. Check the records count employees, daily, period, etc.
 - b. Check the selected relevant modules.

- c. Check the users and groups.
- d. Check all synonyms.
- e. Check the company's name.
- 9. Run payroll and compare with payroll export in TK2000.
- 10. Check employee profiles.
 - Open the Employee Profile and check that there are the correct amount of employees.
 - b. Compare the profiles in TKSQL with the same profiles in TK2000.
 - c. Check that Add New Employee opens a blank employee screen.
 - i. Enter and save employee data.
 - ii. Summarize the current period.
 - iii. Summarize previous period.
 - iv. Check Profile access menus.
- **11.**In the Period Edits screen, enter, change, and save information.
- **12.**Collect data on the new system, including TKSQL, Date-to-date, Autoscheduler (poll externally), and system tables.
 - a. Read backup punch files.
 - **b.** Check the Benefit Accrual and Canteen manager modules (if installed).
- 13. Check for invalid punches; check with the client if it is possible to delete invalid punches.
- **14.**Check import/export files and ensure that there is no usage in the regular fields that were changed in the transition to the new version, for example, EMPVEC.
- 15.Test the functionality of all special reports (IMAGESP).
 - a. Run a periodic report, and then compare the results with TK2000 (for the various contracts).
 - b. Run any customized reports.
 - c. Print a report to screen.
 - d. Print a report to a printer.

16.Generate and send email reports.

17.If the client works with Retro, check the Retro payroll export.

Post-Conversion Procedures for the iBrowse System



After the initial conversion, perform the following checks in the iBrowse system:

- 1. Check that you can enter and exit the system correctly, first as an employee, then as a supervisor.
- 2. Browse the screens and verify that they display correctly.
- 3. Enter data and save changes in the attendance, tasks, and absence requests screens.
- 4. Generate reports in .pdf, .csv., and .html form.
- 5. Create reports for emails whose data is derived from iBrowse.
- 6. Check all special programs and special screens for the client.
- 7. Define all operating schedules, as set in previous versions.

Post-Conversion Department Allocation Procedures

For customers running Department Allocation installations, perform this procedure after conversion.



Do as follows:

- 1. From **Department Allocation**, take all the departments and enter them in TimeCosting as orders (ensure that you activate the synonyms). Do as follows:
 - a. From the TKSQL main menu, select Setup > Add/Edit Configuration Files > Edit/View
 System Environment Definitions. The System Configuration screen is displayed.
 - **b.** From the tree, select **General Configuration > Subsystems**.
 - c. Disable Dep-Allocation PC Module, and enable TimeCosting PC Module.

System Configuration			
System Configuration System Configuration System Configuration Sub-Systems Retro Calculations Dealer Calculations Dealer As Security & Authorization Language Date & Time Printer & Printing Daily File Structure Employee File External Programs Key Fields Format BackUp Main Browse	Using Module ESHEL TimeCosting-PC Module Dep-Allocation-PC Module CanteenKeeper-PC Module TAKSHIR Installed PARTTIME Installed SAP Integration Office 2003 Integration Hotel Staff Costing Module Madan Options	e T No Not In Use	iBrowse Module Support Statutory Holidays Module Year-To-Date Module Time Scheduling (TSM) TIMEBANK Installed Absence Planning Module
 Wey risks Futurat BackUp Browse Time Clock (Polling) Payroll Interface Y-T-D Definitions Program Extensions Absences Time Scheduling (TSM) E-Mail 	Hotel Staff Costing Module Madan Options	Not In Use	

d. Save and close the screen.

- 2. Rebuild all additional data from Department Allocation into TimeCosting.
 - a. From the TKSQL main menu, select Setup > Add/Edit TimeCosting Setup Files > Add/
 Edit TC Configuration file. The TC System Configuration screen is displayed.
 - b. Click the Definition of Levels tab, and do as follows:
 - Select Level 1
 - In the **Level Name** field, change the name to the name that you want.

🖬 TC System (Configuration						
Rate Assign	nment Order	Combine	ed Rates	Rate	Retention	Job Sched	luling And Valid Jobs
Definition of	nition of Levels Level Relations TC Options TC Options - C					ons - Continue	
Version 4 T	imeCosting Configu	ration					
	Level Na	ne	Index Ty	pe	Length	Auto F	ile Use
Level 1	Work Order-anat	8	Numeric Format	-	10	Not In Use	·
		Auto File	Expression				Define
Level 2	Batch		Numeric Format	-	2	Not In Use	Ψ.
		Auto File	Expression				Define
Level 3	Part		Numeric Format	-	3	Not In Use	Ψ.
		Auto File	Expression				Define
Level 4	Process		Numeric Format	-	4	Not In Use	Ŧ
Use Departr	ment	Auto File	Expression				Define
?					1	Þ.	P

- c. Click the TC Options tab.
- d. In the TC-Job Start field, define the Job Start.

TC System Configuration			
Rate Assignment Order	Combined Rates Rate Retention	Job Scheduling And Va	lid Jobs
Definition of Levels	evel Relations TC Options	TC Options · Continu	e
Allow Manual Record Manual Rec	ord NOT IN Use 👻 Use Sort Code 🛛 🕞	rst Sort	-
Call Back Transactions	Call Back Transactions are used for TK Only		•
Calculate Absence/Default Job	Paid if accumulated in Cat#0	Manual Categories	
Auto Calculate Type	According to Duration (TK)	•	
Auto Build By Clock Data	With Validity Check	Minimal Allocation	
TK - Entry (In-Punch) is used	Only For TK	▼ Value (Minutes)	
TK - Exit (Out-Punch) is used	Also As End of Job	• 0	
TC - Job Start	Start of Job Ends Previous Job	Enable Alerts Alerts	
TC - Job End	Not In Use	Planning	
Closing Job by TC Calculation Program	TK Daily Punches Will Be Used To Close The Job		-
Unpaid Absence for	Do not calculate Vinique Level	Not In Use	-
?	<u>نا</u> 2	:	

e. Click the TC Options-Continue tab.

f. In Department Time Costing, select Enabled.

- · · · · · · · · · · · · · · · · · · ·		Y	Y
Rate Assignment Order	Combined Rates	Rate Retention	Job Scheduling And Valid J
Definition of Levels	Level Relations	TC Options	TC Options - Continue
Department Time Costing	None		
	None		
Daily Calculation include	s TC Calculation	2	
1			·

- g. If using rates, click the Rate Assignment Order tab.
- **h.** Define the dominant rate.

Definition of Levels	Level Relations	Level Relations TC Options T mbined Rates Rate Retention Job Sc			
	Rate Assign	ment Order			
Costing Rate	Billing	Rate	Rate 3 Assignment Order		
Employee	Employee	Emp	loyee		
Work Order-anaf (Level 1)	Department	Dep	artment		
Profession	Profession Work Order-epsil	(Level 1.)	Protession Work Order.epst (Level 1)		
Up Dov	wn Up	Down	Up Down		
Period Field Name	Period Fie	ld Name	Period Field Name		
	▼	-	T.		

- i. If using rates, click the Combined Rates tab.
- j. In the Number of rates in use field, define the number of rates.

TC System Configuration	n Level Relations	TC Options	TC Options - Continue
Rate Assignment Order	Combined Rates	Rate Retention	Job Scheduling And Valid Jobs
Number of Rates in use	Dne Rate		
	Rate File De	finitions	
Costing Rate	Billing R	ate	Rate 3 Defined by
Employee Work Order-anaf (Level 1)	Work Order-anaf (I	Level 1)	
Up Down Se	lect Up Down	Select	p Down Select
?		B 2	<u>1</u>

- k. Click the Rate Retention tab.
- I. At the bottom, define all fields to Yes.

Definition of Levels	Level Relation	s	TC Options	TCO	ptions - Contin
Rate Assignment Order	Combined Rates	<u> </u>	Rate Retention	Job Schedul	ing And Valid J
Enable Job Scheduling		Default Jobs	s Active/Inactive	Inactive	
Enable List of Valid Jok	os Per Employee	Assign defe	ult Jobs from	Default Jok	s (TCDEF)
Enable Invalid Job Auth	orization				
Define Job Level			Manual Reco	rd NOT IN Use	•
Define Job Level 2			Manual Reco	rd NOT IN Use	-
Flag a Non Scheduled Job	as an		Error		v
TK Manual Category Indica	ting an Unscheduled\m	valid Job Has	Been A Regular		*
Daily Variance Rules (Tabl	el) Yes	•			
Daily Rounding Rules (Tabl	e R) Yes	•			
Daily Break Rules (Table N) Yes	-			
	State Street				

m. Save and close the screen.

- Ensure that every employee is defined to a default task in TimeCosting, TC-Direct
 +Default Job. This task needs to be the default department (order) previously defined to that employee in the Employee file.
 - a. From the TKSQL main menu, select Setup > Add/Edit Configuration Files > Edit/View
 Employee Screen Configuration. The Employee Screen Builder is displayed.
 - b. Add a TimeCosting tab.

c. From the new TimeCosting tab, add Occupation Type and Rate Code.

🗄 Employee Screen Builder	v Editable)		
			Field Read Only
General Additional Key Fields	Premium & Part Time IBrowse	Seniority Data	J
1	Occup	ation Type (OCCUP_TY	PE \ N 5.0)
Rate Code ((RATE_CODE \ N 10	.0)	
3		10	
4		11	
5		12	
6		13	
7		14	
? 💊		Ď	

- d. Save and close the Employee Screen Builder.
- e. From the TKSQL main menu, select Maintenance > Global Update Employee File. The Current Employee File Changes report selection screen is displayed.
 - i. Filter for the employees or population that you want to define to a default task.
 - ii. Select Simple Expression.
 - iii. In Field to Update, enter Occupation Type.
 - iv. In Multiply Constant, enter 0.
 - v. In Add Constant, enter 27.00.

😽 Current Employe	e File Cha	nges						
File Date Employee	Plant Site	Department	Contract	Status	Profession	First Sort	Second Sort	
Schedule Group Begin								
?	5	Ş	₽ •					
Date For 15/03/2011	L							
Employee 1 - 999999	9999999	Status	0 - 9999					
Plant <u>0 - 999999</u>	2 F	Profession	<u>0 - 9999</u>					
Site 0 - 999999	2 1	First Sort	0 - 999999	2				
Department 0 - 999999	99999	Second Sort	0 - 999999	2				
Contract 0 - 999999	999	chedule Grou	<u>0 - 9999</u>					
Simple Expre	ssion	C <u>E</u> x	tended Expr	ession	C	With Date	Fields	
Field To Update	Multiply b	y Constant	Add Co	nstant	Fre	m Value	To	Value
Occupation Type	0	1	27.00					
	-							
	-							
Ladate Onto If All Co	nditions Are	True			-			

- vi. From the toolbar, click the **Start** button.
- **4.** If the customer has import/export files (i.e. MS Excel, or .csv) related to Department Allocation, convert them to TimeCosting. Do as follows:.

4

- a. From the TKSQL main menu, select Maintenance > Import/Export Utilities > Add/
 Edit Run Global Import/Export Profiles. The Import/Export for Ascii Files screen is displayed.
- **b.** Click the **General Definitions** tab and enter the following:
 - In **Profile Number**, enter **300**.
 - In Profile name, enter Export Department.
 - In Profile Direction, select EXPORT.
 - In the Data Base area, in File Name, select DEPARTMENT (Dept. Definitions/ Shared).
 - In Sort By, select Number.
 - In the ASCII File Selection area, in File Name, select where you want to place the exported file.

😹 Import/Export For Ascii Files	
File Edit Record Field Execute Stop Help	
? = ×· = * * * * * * *	
Profile Number Profile name	
300 Export Department	Export 💌
General Definitions Fields Definitions	Query And Audit Trail
File name Data Base	Sort By
DPARTMNT (Dept. Definitions/Shared)	R 🗾
ASCII File Selection	
File name C:\TKSQL\DEPARTMENT Select	length
File Type Fixed Length. Fixed Number Of Fields	0 ÷
Fields Enclosed By Number Of Caption Lines	
Ready	

- c. Select the Field Definitions tab.
- **d.** On the right, in **Double Click on Field to Add**, select **Number and Name**. They are automatically displayed in the left pane, at the bottom.

Elie Edit Record Field Execute Scop Help Profile Number Profile name Profile name Profile DIRECTION 300 Image: Scope
Image: Sector
Profile Number Profile name Profile DIRECTION 300 Export Department Export General Definitions Query And Audit Trail Image: Strange of the state of the s
General Definitions Fields Definitions Query And Audit Trail Image: Constraint of the state of
NME NME Double Click On Field To Add * ASC * * ASC * Double Click On Field To Add 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 7 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 7 4 7 8 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 0 7 7 8 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 0 7 7 8 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 0 7 7 8 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 0 7 7 8 1 0 7 7 8 1 0 7 7 8 1 0 7 7 8 1 0 7 7 8 1 0 7 7 8 1 0 7 7 8 1 0 7 7 8 1 0 7 7 8 1 0 7 7 8
Field name Standard name 123456789 123456789 123456789 123456789 10 20 30 40 Store Store Image: Standard name Standard name DPARTMINT (Dept. DPARTMINT (Dept. NUMBER NUMBER NAME NAME Store Store Image: Standard name Standard name Image: Standard name Number Image: Standard name Number Image: Standard name Number Image: Standard name Standard name Image: Standard name Number Image: Standard name Standard name Image: Standard name Number Image: Standard name
DPARTMNT (Dept. DPARTMNT 123456789 123456789 123456789 123456789 12 10 20 30 40 50 Image: State of the state of
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STD_REG_HH STD_REG_HH STD_OT_HH STD_OT_HH STD_OT_HH STD_OT_HH RATECODE_1 RATECODE_2 RATECODE_2
Order Field name Field name Format Calculat Drugs Titler Drugs Titler Drugs Titler BATECODE 1 RATECODE 2
Order File name Field name Format Calculat RATECODE_1 RATECODE_1 RATECODE_2 RATECODE_2
BATECODE 2 BATECODE 2
ADU.
2 DPARTMNT (Dept. Definit NAME "ABC., "NAME_2 NAME_2
RATECODE_3 RATECODE_3
ACCOUNT ACCOUNT
ORGANZCODE ORGANZCODE
SPARE_3 SPARE_3
SPARE_4 SPARE_4

- e. Save your work.
- f. From the toolbar, click Run Profiles to export the department profiles.



- g. From the Import/Export for Ascii Files screen, select the General Definitions tab, and do as follows:
 - In **Profile Number**, enter **301**.
 - In Profile Name, enter Import Orders.

- In File Name, select ORDER (Order Definitions/TC).
- In **Profile Direction**, select **IMPORT**.
- In **Sort By**, select **Number**.

Ele Ecc Record Field Execute Scop Help Image: Ima	2 Import/Export For Ascii Files	
Profile Number Profile name Profile Diffection General Definitions Fields Definitions Query And Audit Trail General Definitions File name Data Base Sort By Import Order Immore Data Base Sort By Import Order File name Data Base Sort By Import Order File Selection Import Profile Selection Import Profile Selection File name C:\TKSQL\DEPARTMENT Select DELIMITER File Type Fixed Number Of Fields. Fields Delimited Import Profile Selection Fields Enclosed By Number Of Caption Lines Import Profile Selection	Ele Edit Record Field Execute Stop Help	
Profile Number Profile name Profile Diffection General Definitions Fields Definitions Query And Audit Trail General Definitions File name Data Base Query And Audit Trail Import Order File name Data Base Sort By Import Order Definitions/TC) Immeter Immeter Immeter ASCII File Selection File name C:\TKSQL\DEPARTMENT Select DELIMITER File Type Fixed Number Of Fields. Fields Delimited. Immeter Immeter Immeter File Type Fixed Number Of Fields. Fields Delimited. Immeter Immeter Immeter		
General Definitions Fields Definitions Query And Audit Trail File name Data Base Sort By ORDER (Order Definitions/TC) Inumber Inumber ASCII File Selection Inumber Elename File name C:\TKSQL\DEPARTMENT Select DELIMITER File Type Fields Delimited. Inumber Inumber Fields Enclosed By Number Of Caption Lines Inumber Inumber	Profile Number Profile name Profile DIRECTION 301 Import Orders IMPORT	
File name Data Base Sort By ORDER (Order Definitions/TC) Inumber Inumber ASCII File Selection File name C:\TKSQL\DEPARTMENT Select DELIMITER File Type Fixed Number Of Fields. Fields Delimited. Fields Enclosed By Number Of Caption Lines 0	General Definitions Fields Definitions Query And Audit Trail	
	File name Data Base Sort By ORDER (Order Definitions/TC)	

- h. Click the Fields Definitions tab.
- i. On the right, in **Double Click on Field to Add**, select **Number and Name**. They are automatically displayed in the left pane, at the bottom.

🖨 Import/Export For Ascii Files						
Ele Edit Record Field Execute Stop Help						
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Profile Number	Pro Pro	file name —		ofile DIRECTION		
General Definitions		Fields Definitions		Query Ani	d Audit Trail	
NUMBER.		NAC			Double Click 0	n Field To
- ABC		- ABC		÷	Field name	;anda name
					ORDER (Order NUMBER	ORDI NUMI
123456789 123456789 1 10 20	23456789 12345 30	40	56789 123451 50	60 12345t	NAME	NAME
•				•	SEC_NAME	SEL_
Charles Charles	Enklasses	French	Calculation		ENTRYDATE	ENTE
1 OPDER (Outer Defending	Field name	Poimat	Calculation expli	ession	START DATE	STAF
OPDER (Order Definitions/ OPDER (Order Definitions/	NUMBER	ABC			END DATE P	END
Church (order Definitions)	TOURL .	MOU			END_DATE_A	END
					FRZ_S_DATE	FRZ
					FRZ_E_DATE	FRZ_
					UNITS_PL	UNIT
•				•	TIME_P_UNT	TIME
P				1000		
Ready						

- j. Save your work.
- k. From the toolbar, click Run Profiles to import the department profiles.



 From the Import/Export for Ascii Files screen, select the General Definitions tab, and do as follows:

- In **Profile Number**, enter **302**.
- In Profile Name, enter Export Employee + Department.
- In **Profile Direction**, select **EXPORT**.
- In the Data Base area, in File Name, select EMPLOYEE (DETAILS/SHARED).
- In Sort By, select Employee.
- In the ASCII File Selection area, in File Name, select where you want to place the exported file.
- m. Select the Field Definitions tab
- **n.** From the right, select the following fields, and they are automatically displayed on the right at the bottom:
 - EMP_NUM
 - DATE_FROM
 - L1_ORDER_0
 - OCCUP_TYPE
 - L2_BATCH_0
 - L3_PART_0
 - CCNTR_0
 - L4_PROC_0
 - PROFF_0
 - DEPART_0
 - PERCENT_0
- On the left, under the word General Definitions and above the ruler, find the Hire_From display in the whitespace.
- p. Double-click it, and from Format, enable Century.

Field name	🖨 Field Format 🛛 🔣	•
From Column	DATE Format	20
Format	DELIMITER	
Calculation expression	"/" •	Define
Condition expression	Order Day Month Year	Define
Field Enclosed By	Century	
Caption Type	"dd/mm/ccyy"	
	Qk Çancel	
	<u>Q</u> k <u>C</u> ancel	

 q. The remainder of the list (as displayed in the whitespace) and define to ABC (but do not enable Century).

Magent/Export For Ascii Files							
He Eak Record Heid Execute Stop Heip							
? = = : : : : • • • • • : : : : : : : : :	/ 😼 🥭 - 🚰	🔍 🃭					
Profile Number	Profile	name	Pro	Re DIRECTION			
302 💌 Ex	port Employee+ Departme	nt	Export				
General Definitions		Fields Definitions		L	Query And Audit T	rail	
N							
Employee No. mployment Star Identification #	Department	Department	Department	Department	Department	Double Lick	UniField
2 ABC 2 244/am/ com/2 2 ABC 2	- ARC	- 484	- 480 -	- 480 -	- ABC	Field name	and:
						EMPLOYEE	EMD
						Employee No.	EMPI
123456789 123456789 123456789 123456789 12345	5789 123456	789 123456	789 123456	789 123456	789 1234567	Plant	PLAN
10 20 30	40	30	60	70	00	Site	SITE
		_				Department	DEP/
Order File name Field na	me Form	at Ca	lculation expression	Conditi	on expression 6	Budget Code	BUDI
1 EMPLOYEE (Employee Details/Shared) Employee No.	ABC	19 A.				First Sort	SOR
2 EMPLOYEE (Employee Details/Shared) Employment Start	"dd/mm/c	cyy/"				Second Sort	SUR
3 EMPLOYEE (Employee Details/Shared) Identification #	" ABC					Fining Soft	SOB.
4 EMPLOYEE (Employee Details/Shared) Department	" ABC	<u> </u>				Sort Code #5	SOB.
5 EMPLOYEE (Employee Details/Shared) Department	" ABC					Profession	PROI
7 EMPLOYEE (Employee Details/Shared) Department	" ARC					Last Name	LAST
8 EMPLOYEE (Employee Details/Shared) Department	" ABC					First Name	FIRS
9 EMPLOYEE (Employee Details/Shared) Department	" ABC					Mid Init	MID_
10 EMPLOYEE (Employee Details/Shared) Department	" ABC					Contract 0	CON:
11 EMPLOYEE (Employee Details/Shared) Department	" ABC					Contract 0	CON.
	Terreteren					Contract 1	CON
						Contract 1	CON
						Contract 2	CON
						Contract 3	CON
						Contract 3	CON'
						Contract 4	CON'
						Contract 4	CON'
						Contract 5	CON'
						Contract 5	CON.
						Contract 6	CON
and all and a second se						Contract 6	CON
					<u>)</u>	Lontract 7	CUN
leady							

r. From the toolbar, click Run Profiles to import the department profiles.



- s. From the Import/Export for Ascii Files screen, select the General Definitions tab.
 - In **Profile Number**, enter **303**.
 - In Profile Name, enter Default Jobs.
 - In **Profile Direction**, select **IMPORT**.
 - In the Data Base area, in File Name, select TCDEF.
 - In Sort By, select Employee.

 From the whitespace, double-click the fields, and from Field Properties > Format, define the fields as shown here:

E E	it Record Field Execute Stop Help					
?	н н н	B 🔅 🝘 🤇	B 👩 - 🖳 💿	I •		
-		offe Number	Broffe parte	P	Se DIRECTION	
	F	303 🔽 Default J	lobs	IMPORT		
_	General Definitions		Fields D	Definitions	Query And Audit 1	frail
_	······				Double Circle On Field	To Add
T_0	DEPART_0 PERCENT_0				Field name	Standard name
	* ABC * ****				TODEE (Defend Free Job AllowFree (TC)	TCOFF
					END MUNA	END NUM
4	56789 123456789 12345678	9 123456789	123456789 13	23456789 12345678	9 DATE EROM	DATE EDOM
	120 130	140 150	160	170	16 OCCUP TYPE	OCCUP TYPE
1					11 OPDER 0	11 00050 0
	0.1 E		1 5 1	01.15	LL2 RATCH 0	12 PATCH 0
_	Urder File name	Field name	Format	Calculation expression	L2_BATCH_0	L2_DATCH_0
4	1 TCDEF (Default Emp. Job Allocations/	EMP_NUM	" ABC "		LA PROC 0	LA PROC 0
-	2 TCDEF (Default Emp. Job Allocations/	DATE_FROM	"dd/mm/ccyy"	-	CONTR 0	CONTR 0
_	3 TCDEF (Default Emp. Job Allocations/	OCCUP_TYPE	"n"		PROFE 0	PROFE 0
_	4 TCDEF (Default Emp. Job Allocations/	L1_ORDER_0	" ABC "	-	DEPART 0	DEPART 0
-	5 TCDEF (Default Emp. Job Allocations/	L2_BATCH_0	" ABC "	-	PERCENT 0	PERCENT 0
-	b TLDEF (Default Emp. Job Allocations/ TLDEF (Default Emp. Job Allocations/	L3_PART_U	" ABC "	-	11 OPDER 1	11 ORDER 1
-	7 TCDEF (Default Emp. Job Allocations/	L4_PROC_0	" ABC "	-	L2 BATCH 1	L2 BATCH 1
-	8 TUDEF (Default Emp. Job Allocations/	CONTR_0	10		13 PART 1	13 PART 1
-	9 TCDEF (Default Emp. Job Allocations/	PHUFF_U	ABU		14 PB0C 1	L4 PBOC 1
4	10 TLDEF (Default Emp. Job Allocations/	DEPART_0	ABU		CONTR 1	CONTR 1
_	TI TODEP (Default Emp. Job Allocations/	PERCENT_0	40		PROFF 1	PROFF 1
					DEPART 1	DEPART 1
					PERCENT 1	PERCENT 1
					L1 OBDER 2	L1 ORDER 2
					L2 BATCH 2	L2 BATCH 2
					13 PART 2	L3 PART 2
					L4 PBOC 2	L4 PBOC 2
					CONTR 2	CONTR 2
					PROFF 2	PROFF 2
					DEPART 2	DEPART 2
					PERCENT 2	PERCENT 2
					L1 OBDER 3	L1 ORDER 3

u. From the toolbar, click Run Profiles to export the department profiles.



- All reports that were defined to Department Allocation need to be re-written in TimeCosting by the implementer (this can be time-consuming; prepare accordingly).
- 6. In Payroll, Payroll to DA must be rebuilt as Payroll to TimeCosting.

Implementing New Features for Your Customer's Benefit

In order to inform the customer of new features in TKSQL, we advise to configure the following features:.

#	Subjects for Implementation	Comments for Implementation
Daily Activity File		
1	Attach Documents	 Add the column to the Daily screen. If the attachment doesn't open, update the file comctl32.ocx in the windows\system32 folder. Define for every group Define for departmental browser
2	Add Comments (Daily)	 Add the column in the Daily screen List + Manual Entry Define for every group Define for departmental browser
3	Define a period for the Daily browser	 Define a a default query according to date/ expiration etc., (according to needs) Define for every group
4	Add 2 reports to be run from the Daily browser	 Add 2 reports: RPERGEXT -Enhanced Detailed Timecard (Extended) TK RPER1EXT - Pay Period Errors and Exceptions Report (Extended) Define for every group Define for departmental browser Adjust the parameter files accordingly.

	[
#	Subjects for Implementation	Comments for Implementation
5	Color Columns (Daily)	Define columns in colors according to the customer's needs, i.e.: deficiency counter, contract, paid absence, etc.
		Should be defined for every group
Employee Master F	ile Screen	
6	Add another tab for contact	Add "Contact Details" tab for employee profile
	details (Employee)	including email, address (city, street), home
		phone, cellular phone, etc.
7	Add a tab called Personal	Family Status, Gender, National ID #, Date of
	Details	Birth, children's field
8	Add iBrowse tab	Add iBrowse tab including: user name,
		password, profile #, language, password
		expiration date, password update date
9	Add Photo (Employee)	Define employee photo folder location
Reports - Employee	e, Setup, Daily, and Period	
10	Clock Movements Report	RTRANSEC
11	Default Daily Activity Report	RTKDAYEX
		 Define the parameter file: Add 2 parameter files: 1-Display all Counters (12 columns) 2- Display all Absences (12 columns) Print horizontal and vertical lines, with negative values displayed in bold Replace the default daily activity report (put RTKDAY with the extended one)
17		,
12	Entered Employes Report	RINOUT
13	Entered Employes Report Employees Who Await	RINOUT RIBEADM (supported in multiple supervisors)
13	Entered Employes Report Employees Who Await Supervisors Signoff Report	RINOUT RIBEADM (supported in multiple supervisors) Hide when working in users mode
13	Entered Employes Report Employees Who Await Supervisors Signoff Report	RINOUT RIBEADM (supported in multiple supervisors) Hide when working in users mode In the parameters file, define default email
13	Entered Employes Report Employees Who Await Supervisors Signoff Report Employees Who Await	RINOUT RIBEADM (supported in multiple supervisors) Hide when working in users mode In the parameters file, define default email RIB_EDS (supported in Users mode)
13	Entered Employes Report Employees Who Await Supervisors Signoff Report Employees Who Await Supervisors Signoff Report	RINOUT RIBEADM (supported in multiple supervisors) Hide when working in users mode In the parameters file, define default email RIB_EDS (supported in Users mode) Not for use in multiple supervisors mode
13	Entered Employes Report Employees Who Await Supervisors Signoff Report Employees Who Await Supervisors Signoff Report	RINOUT RIBEADM (supported in multiple supervisors) Hide when working in users mode In the parameters file, define default email RIB_EDS (supported in Users mode) Not for use in multiple supervisors mode In the parameters file, define default email
12 13 14 15	Entered Employes Report Employees Who Await Supervisors Signoff Report Employees Who Await Supervisors Signoff Report TK - Errors Exceptions (by	RINOUT RIBEADM (supported in multiple supervisors) Hide when working in users mode In the parameters file, define default email RIB_EDS (supported in Users mode) Not for use in multiple supervisors mode In the parameters file, define default email RIB_EDS (supported in Users mode) RIB_EDS (supported in Users mode) RIB_EDS (supported in Users mode) RIB_EDS (supported in Users mode)

#	Subjects for Implementation	Comments for Implementation
16	Pay Period Errors and	RPER1TXT
	Exceptions Report	Define a parameter file
		Print horizontal and vertical lines, with negative values displayed in bold
		Replace the default daily activity report (put RTKDAY with the extended one)
17	Detailed Timecard	RPER6TXT
	(Extended) – TK	Define a parameter file
		Add the following 2 parameter files -one with notes and the other without notes
		 Print horizontal lines, with negative values displayed in bold
18	Employee Timecard	RP6TKCL
	Extended With Clock Punch	Define the clock names
	Positions	Ensure that rp6tkclsql.dll exists
		Define a background parameter file
19	Original Punch Positions	RP6TKCL1
		Ensure that rp6tkcl1sql.dll exists
		Print background color
20	Employee Timecard	RP6WEEK
	Extended with Weekly Summary	Ensure that the assigned parameter file is
	· · · · · · · · · · · · · · · · · · ·	RP6WEEK
21	Extended Pay Period	RTKPEREX
	Summary Report	Define a parameter file
		 Add 2 parameter files: 1-Display all Counters (16 columns) 2- Display all Absences (16 columns)
		Print horizontal and vertical lines, with negative values displayed in bold
		 Replace the default daily activity report (put RTKDAY with the extended one)
22	Monthly Attendance Report	RDMONTH
		Define a parameter file

#	Subjects for Implementation	Comments for Implementation
23	Employee Report Extended	REMPEXT
		Define 3 matching parameter files
		To these files, add 3 parameters: 1- Organizational Structure, and 2-Personal Details, such as address, telephone, email, and fields that were defined in private details and contact details
		Print horizontal lines, with negative values displayed in bold
24	New/Terminated Employees	RNEWEMP
	Report	
25	Tables/Contracts Cross	RTBLIST1
	Reference Report	
		Place at the bottom of the report
26	Orders Report (Sorted By)	RTCDAPER
		Add to the TimeCosting report - only for
		customers who use TimeCosting
27	Employees Timecard	RPER5TC
	(Standard) plus TC	
		Add to the TimeCosting report - only for
		customers who use TimeCosting
	Benefit Accrual/APM	Add a report called Bank Statement report
	Reports	(RACOUNT)
Changes to iBrows	e	
28	Disable polling of clock	In iBrowse Profiles Attendance tab, set the clock
	button	button to No
29	iBrowse Profiles Definitions	DCNFPROF
		Setup=>System Security Audit Trail
		Files=>iBrowse Profile
30	Define Multiple Supervisor's	DADMINS
	for iBrowse	
		Setup=>System Security Audit Trail
		Files=>iBrowse Profile
31	Create User Names for all	LSELECT
	Employees	Setup=>System Security Audit Trail
		Files=>iBrowse Profile
32	Assigning Employees'	DEMP3
	Passwords in Ibrowse	
		Setup=>System Security Audit Trail
		Files=>iBrowse Profile

#	Subjects for Implementation	Comments for Implementation
33	Adding IBRW Users	Add 2 predefined users: IBRW, IBR2 (for
		secondary changes) to the User table
Menu Changes		
34	Hide the Department	Hide the menus in the following details: DA
	Allocation Menu	reports (daily, period), maintenance, and setup
35	Copy the Contract Tables	Add to the SYSCOPY menu
	under TimeKeeper Setup	
	Files	Setup=>TK Setup Files
36	Add index for the BLDSORT	Add to the BLDSORY menu
	profiles	Coture & Charred Coture Files Avelage at the
		Setup=>Shared Setup Files=>place at the
		bottom of the list (if it already exists, do not
		redefine)
37	Initialize History for the	Add to the DHInit menu
	Employee Master File	Setun=>Shared Setun Files=>nlace after
		BLDSORT (add to menu only not to direct
		access)
20	Lindata Employaa Tabla	Add to DEMDEVD monu
30	Opdate Employee Table	Add to DEIVIPEXP menu
	according to Conditions	Setup=>Shared Setup Files=>place after History
		Initialization
39	Define the clock names	Add to the SYSFILE menu
		Setup=>Shared Setup Files=>place under
		Synonyms
40	Read Backup File Punch	Add to the TRCLOCK menu
	Table (TRANSTK/TC)	
		Place under Activities=>Poll Clocks
43	Add Report Generator	Add to the LAVREPRS menu parameter 2
Additions and Con	figuration	
44	Update Dealer Name	Update the dealer in Configuration - Synerion
		Systems Ltd.
	Define Amount of	In SYSCNF , update maximum number of
	Employees	employees
	Define Default Backup Path	In SYSCNF, in Backup icon, define path
45	Yearly Card Y2D	Activate Y2D
		Define quartime and abconces tracking (i.e.
		sickness vacation)
	• • • • • • = •	
46	Activate Audit Trail	For Daily and Employee files
	Parameters	
47	Activate Users Definitions	Enable configuration

Subjects for Implementation	Comments for Implementation
Contract and Table	Enable configuration
Documentation	
Add Profiles for Windows	Following this, the script will be defined
Scheduler	
Add Import/Export Profiles	For example, Employee and Daily import/export
Create BI Groups	Only relevant if BI is installed
	Setup=>TK Setup Files
Add Import Schedule for	IMPSCD, DJOBBASE
Customer who uses TimeScheduling (TSM)	Add job templates only for customer who uses Job Scheduling
	Subjects for Implementation Contract and Table Documentation Add Profiles for Windows Scheduler Add Import/Export Profiles Create BI Groups Add Import Schedule for Customer who uses TimeScheduling (TSM)

Troubleshooting

The following sections describe comon errors and how to solve them.

Dealing with Corrupt Records

Problem: The conversion utility failed to convert tables or files, possibly due to corrupted fields.

Solution: Do as follows:

- 1. Download a tool called **DBFPlus.exe** (or any other DBF editor tool).
- Use the tool to open the table or file (this example uses sysext.dbf) under the TK2000/ data folder; look for a corrupted field.



3. Open the same file (in this case, the other **sysext.dbf** file) from the other TK2000/data folder to see the correct field name.

🔜 DBF View	ver Plus - C:\TK200	OCNVIDATAIS	SEXT.DBF					
File Edit Se	arch View Tools He	dp						
	1	\bigcirc	$\overline{\mathbf{n}}$		4	O		
New Table	Open F2 Form Vie	w Search F3	Table Info F7	Columns F8	Print	Exit F10		
	H+- 28	Filter				Apply Filter	Cancel Filter ?	
MAJL_FROM								^
	1							
<								
Count	Index					http://w	ww.alexnolan.net	

- 4. Download a tool called DBFExplorer. Do as follows:
- 5. Through DBFExplorer, edit the column name.
 - a. Open **DBFExplorer** and from the toolbar, click **Structure**.



- **b.** In **Modify Structure Database**, search for the corrupted value in the field name list window.
- c. Highlight the field, and click Edit.

📸 Modify Data	base St	ructure			
Field Name	Туре	Length	Decimals	^	Add
ADJST2STD	N N	1	0	\langle	Edit
MAIL_TYPE MAIL_SERV	N C	1 128	0 0		Delete
x>र_FROM HOTEL_OP	C N	128 1	0		
R_IBRW_FLG HISTORY	N N	1 1	0 0		
APM2DAY UPD CODE	N C	1 20	0 0		ОК
<	-		-	>	Cancel
					.;;

d. In Field Name, change the name to the correct field name, and click OK.

Edit Field	
Field Name:	X> र_FROM
Field Length:	128
Field Decimals:	0
Field Type:	CHAR
OK	Cancel

6. Open the corrupted file again, and verify that the column has the correct name.

I DBF Viewer Plus - C:\SQLBACKUP\SYSEXT.DBF								
File Edit :	Search View	Tools Help						
	6		P	i	P		O	
New Table	Open F2	Form View	Search F3	Table Info F7	Columns F8	Print	Exit F10	
		-~~ % F	ilter				Apply Filter	Cancel Filter ?
MAIL_FROM)							
<								
Count: 1		Index:					http://w	www.alexnolan.net

7. Through the SQL Server on TKSQL, run the conversion (or a manual conversion) again only for the corrupted file via the command line:

EXEC CONVFILE 'c:\TK2000','data','SYSEXT',"

(this path is the location of the corrupted file. In this case it is located under C:\TK2000|DATA)

DATA					
ile Edit View Favorites To	ols Help				<u></u>
3 Back 🔹 🕥 - 🤌 🔎	Search 🌔 Folders				
ddress 🛅 C:\TK2000\DATA					💙 🛃 Go
	Name 🔺	Size	Туре	Date Modified	1
File and Folder Tasks	SET.DBF	1 KB	DBF File	08/07/2010 13:07	
million and the file	SHZEDEC.CDX	4 KB	CDX File	16/06/1999 02:13	
Rename this nie	SHZEDEC.DBF	4 KB	DBF File	16/06/1999 02:13	
Move this file	🗊 sintdat01102002.txt	5 KB	Text Document	15/01/2002 07:01	
Copy this file	SITERATE.CDX	3 KB	CDX File	17/07/1997 02:08	
🛃 Publish this file to the Web	SITERATE.DBF	1 KB	DBF File	17/07/1997 02:08	
E-mail this file	SITES.CDX	3 KB	CDX File	08/07/2010 13:07	
> Delate this File	ITES.DBF	11 KB	DBF File	08/07/2010 13:07	
< Delete tris ne	SORTO.CDX	3 KB	CDX File	08/07/2010 13:07	
	SORTO.DBF	1 KB	DBF File	08/07/2010 13:07	
Other Places	SORT1.CDX	3 KB	CDX File	08/07/2010 13:07	
outer thees	SORT1.DBF	1 KB	D8F File	08/07/2010 13:07	
С ТК2000	SORT2.CDX	ЗКВ	CDX File	25/07/1996 17:31	
My Documents	SORT2.DBF	1 KB	DBF File	08/07/2010 13:07	
My Computer	sortdef.CDX	3 KB	CDX File	08/07/2010 13:07	
The the burned planes	SORTDEF.DBF	3 KB	DBF File	08/07/2010 13:07	
B my Network Places	SORTLIST.CDX	26 KB	CDX File	08/07/2010 13:07	
	SORTLIST.DBF	62 KB	DBF File	08/07/2010 13:07	
Details	STATPER.CDX	476 KB	CDX File	08/07/2010 13:07	
	STATPER.DBF	23,7	DBF File	20/07/2010 16:38	
SYSEXT.DBF	SYSCNF.DBF	11 KB	DBF File	21/12/2010 10:02	
DBF File	SYSEXT2.CDX	3 KB	CDX File	08/07/2010 13:08	
Date Modified: 23 יום חמישי	SYSEXT2.00F	2 KB	DBF File	21/12/2010 10:02	
דצמבר 2010, 11:06	SYSEXT.DEF	12 KB	DBF File	23/12/2010 11:06	
Size: 11.2 KB	SVSTEM.CDX	5 KB	CDX File	30/03/1999 02:13	
	SYSTEM.DBF	1 KB	DRF File	25/03/1999 02:13	
	TABLEAL.CDX Typ	e: CDX File		10/03/2003 16:56	

After you convert this file, log in to TKSQL.

Conversion Problems on SQL Server

Problem: During the execution of **ConvToSQL.exe** an error message is generated indicating a conversion failure.

Solution: Set SQL Server to enable OPENRPWSET and OPENDATASOURCE. Do as follows:

- Select Microsoft SQL Server 2005 > Configuration Tools > SQL Server Surface Area Configuration. The Minimize SQL Server 2005 Surface Area screen is displayed.
- 2. Select Surface Area Configuration for Features.

a SQL Server 2005 Surface Area Configuration	X
Microsoft SQL Server 2005 Help Protect Your SQL Server	Windows Server System
Minimize SQL Server 2005 Surface Area SQL Server 2005 improves manageability and security by giving administrators more or and remote instances of SQL Server 2005. With the SQL Server 2005 Surface Area 0 • Disable unused services and network protocols for remote connections. • Disable unused features of SQL Server components. For new installations, use these tools to enable required features, services, and network default. For upgraded instances, use these tools to identify and disable unused features privileges on Microsoft Windows Vista and later versions will privileges on this SQL Server installation by default. To explicitly add yourself as a SG below link: Image: State Server installation by default. To explicitly add yourself as a SG below link:	control over the surface area of local Configuration tools, you can easily: ork protocols that are disabled by res, services, and protocols. I no longer have administrative QL Server administrator, click on the
Read more about configuring the SQL Server surface area.	
Configure Surface Area for localhost (change computer)	ons

The SQL Server 2005 Surface Area Configuration screen is displayed.

3. Select Enable OPENROWSET and OPENDATASOURCE support, and click OK.

Note: Surface Area Configuration for F	eatures - localhost 🛛 🚺	K
SQL Server 2005 Surfa Help Protect Your SQL Server	ce Area Configuration er	
Enable only the features required by your surface area. For default settings, see <u>Help</u> Select a component, and then configure its	applications. Disabling unused features helps protect your server by reducing the . features:	
 ■ SOL2005 ■ Database Engine Ad Hoc Remote Queries CLR Integration DAC Database Mail Native XML Web Servic OLE Automation Service Broker SQL Mail Web Assistant xp_cmdshell ■ Analysis Services View by Instance View by Component 	The OPENROWSET and OPENDATASOURCE functions support ad hoc connections to remote data sources without linked or remote servers. Enable these functions only if your applications and scripts call them.	
	OK Cancel Apply Help)

Contract Numbers are Converted as Alphanumeric

Instead of Numeric

Problem: Contracts' numbers were converted as alphanumeric instead of numeric.

Solution: Run the next query in order to make it numeric.

update [CONTRACT] set [NUMBER] = space((8-len(ltrim(rtrim([NUMBER]))))) + ltrim(rtrim([NUMBER]))