Setting up iBrowse™

Required components for installing iBrowse™

Customer responsibility		Dealer responsibility
Required Component	**Level**	
MS-WIN 2000 advanced server	Server	Installation CD
MS-SQL 2000 Database	Server	
COM +	Server	
IIS (Internet Information Services)	Server	
Internet Explorer 5.0 or later	Server & Workstations	

The installation CD consists of the following directories:

Directory	Description / Further details
..\ Client	**Programs** to install on the workstation in which TimeKeeper polls iBrowse's data
..\ COM Objects	**Objects** to install on the server
..\ IBrowse	**ASP** (Active Server pages) **pages** to install on the server i.e. iBrowse user interface
..\ Encrypt	**ENCRYPT.EXE** calculates the string which uses the **ibrowse.ini** file
..\ SQL Database	**SCRIPT files** to install on **MS-SQL** Database
..\ SYSTEM32	**DLL Files** to install in the server's **WINNT\SYSTEM32** Directory
..\ TK5	Recent updates to **TimeKeeper** back office engine, relevant to iBrowse™ gateway
..\ Windows	**INI File** to install in the server's **WINDOWS (WINNT)** Directory
..\ VBRunTime	
..\ Misc	

Setup steps

1. Copy the installation disk to the server's **[C Drive]**
2. Updating the server with **COM objects** and iBrowse™ **Asp**'s.
3. Installing a **virtual directory** on server
4. Installing **COM+** components on the server
5. Installing iBrowse™ database in **MS-SQL server**
6. Specifying **iBrowse™ INI file**
7. Updating the server's **WINDOWS\SYSTEM Directory**
8. Updating the **workstation which polls iBrowse™ transactions**
9. Updating TimeKeeper with **iBrowse™ configuration files**
10. Load iBrowse™
11. Specifying system configuration definitions (SYSCNF) within TimeKeeper
12. Specifying iBrowse™ data collection within TimeKeeper
13. Specifying iBrowse™ users
14. Customizing iBrowse™ options within TimeKeeper i.e. generations profiles etc.

Step 1 – Copy iBrowse™ installation CD to the server's LOCAL drive

1.1 Ensure that all files have both read and write attributes
Note: It is recommended to copy the Install folder to the main directory of the iBrowse (e.g c:\iBrowse\Install)

Step 2 - Updating the server with COM objects and iBrowse™ Asp's.

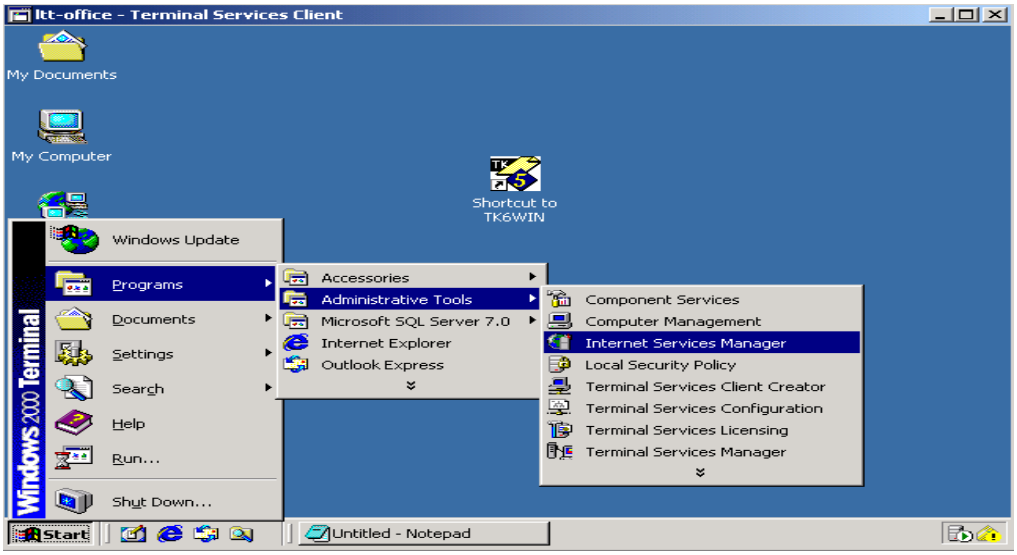
Create the following directories in the server: ***C:\|iBrowse\|iBrw_obj***
C:\|iBrowse\|iBrw_web

Copy all objects from ***[COM OBJECTS]*** directory (i.e. iBrowse installation CD) to ***C:\|iBrowse\|iBrw_obj***
Copy all objects from ***[iBrowse]*** directory (iBrowse installation CD) to ***C:\|iBrowse\|iBrw_web*** directory

Note: After copying the files from the installation CD, ensure that all files have both read and write attributes.

Step 3 - Installing a virtual directory on server

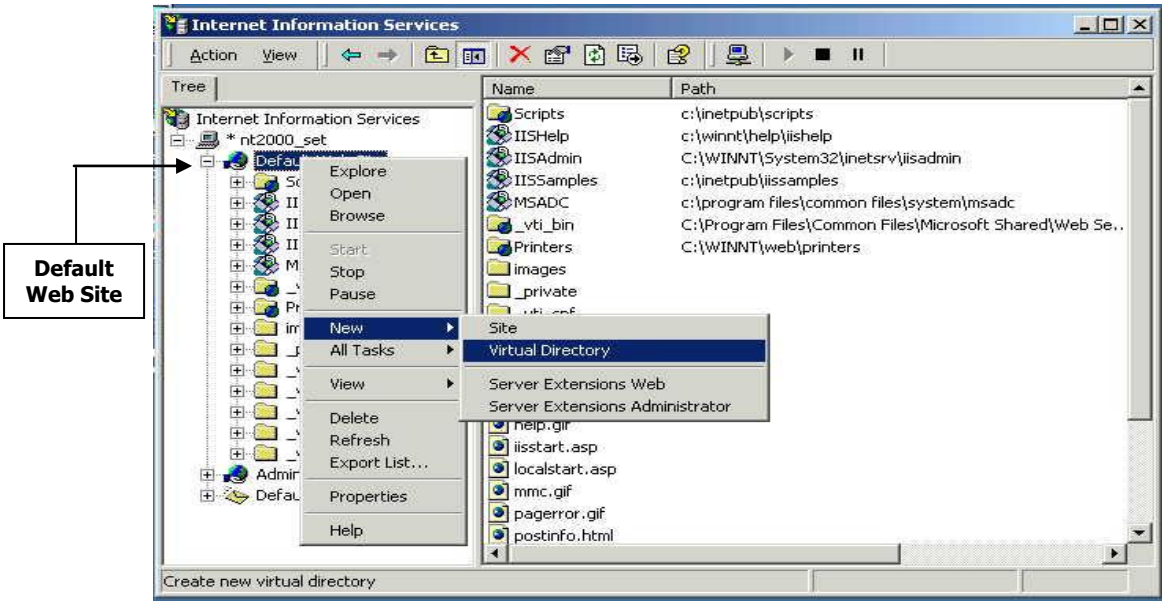
3.1 Load "Internet Service Manager"



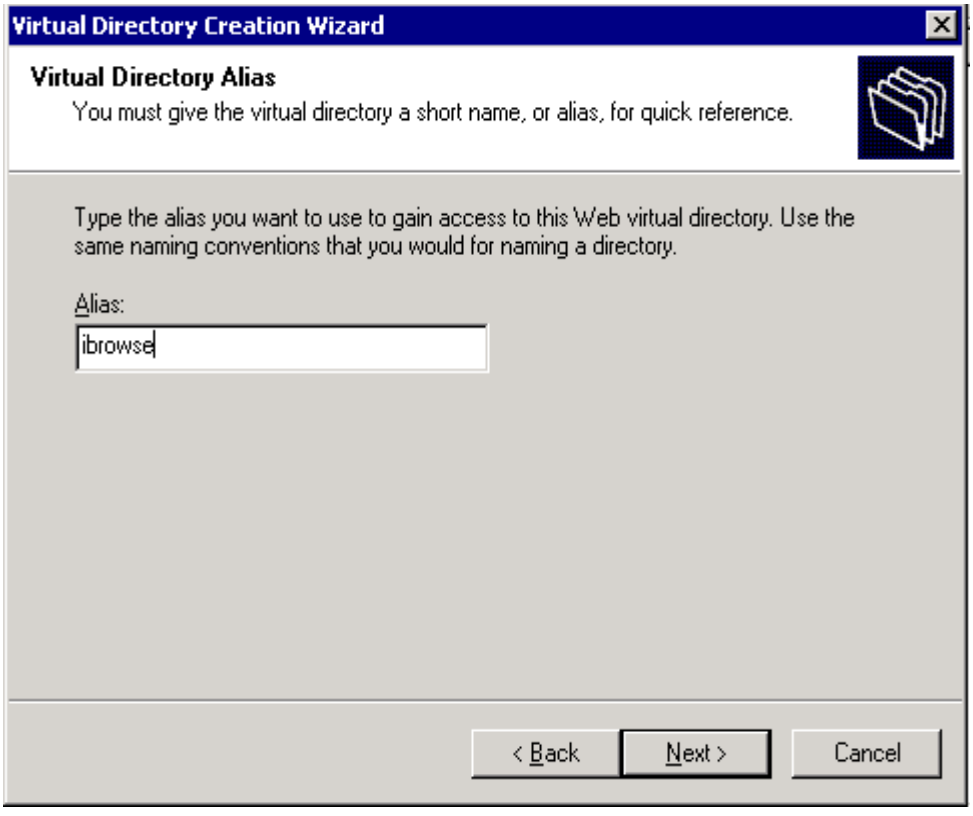
Note: In case of "Internet Service Manager" does not appear, install **IIS.**

In Windows XP:
Start → Control panel → Performance and Maintenance → Administrative Tools → Component Services

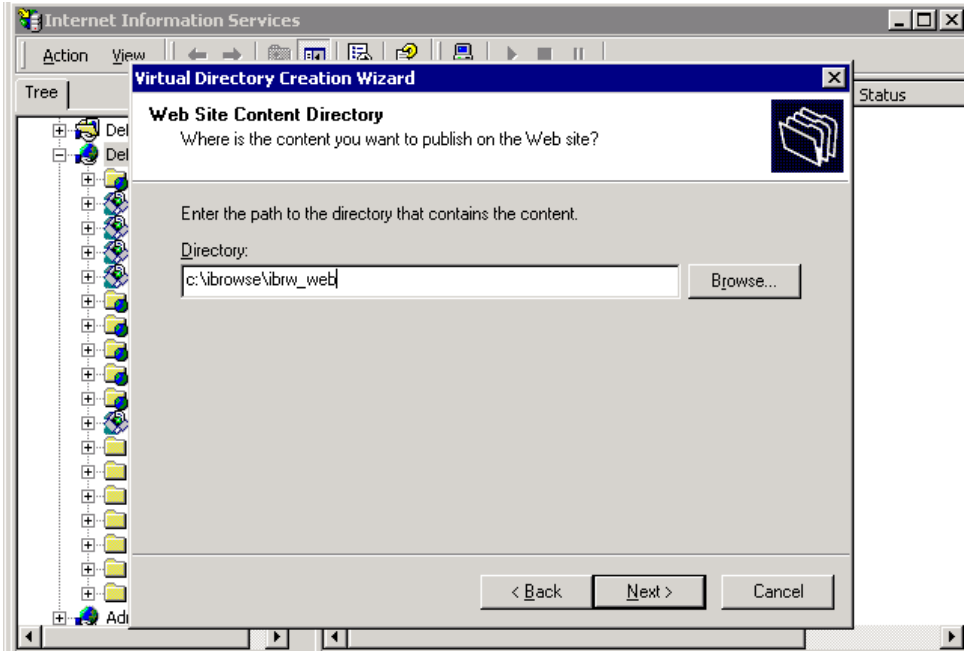
3.2 Open a virtual directory



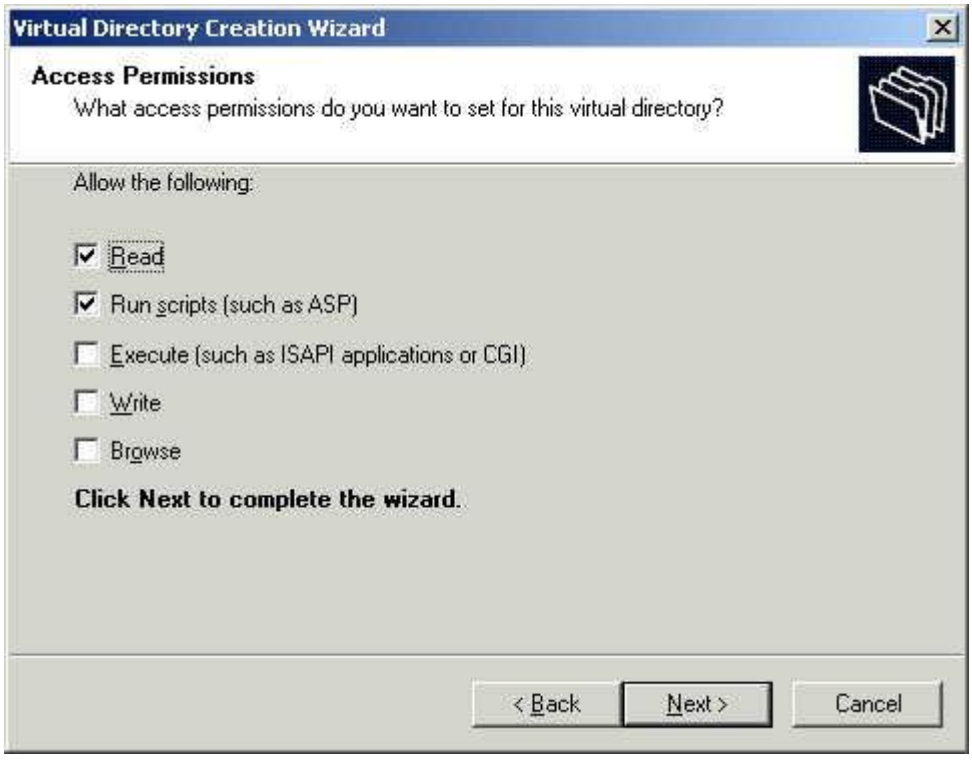
Specifying virtual directory's alias:



Specify the iBrowse™ WEB directory i.e. in which iBrowse™ files reside:

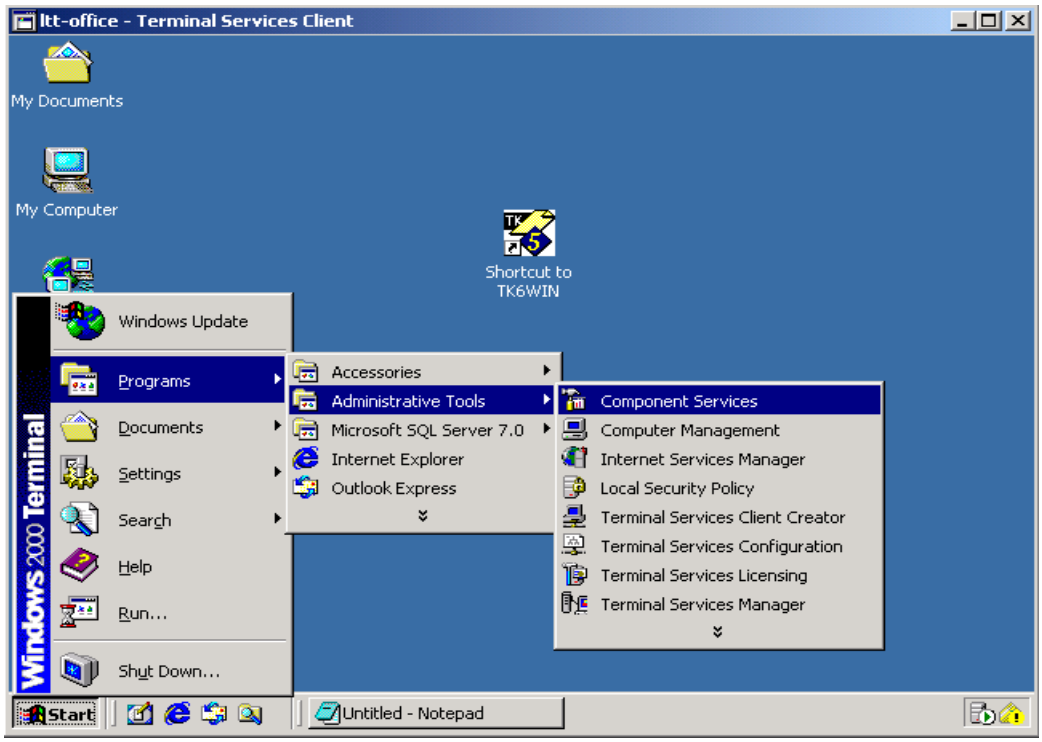


Specify the following permissions :

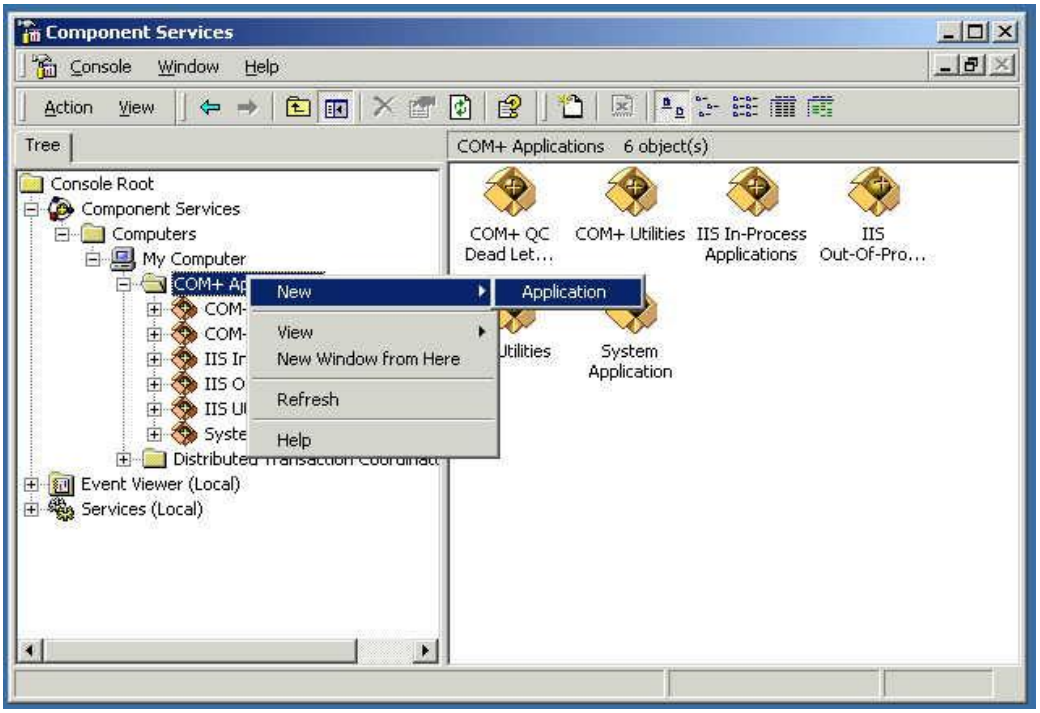


Step 4 - Installing COM+ components on the server

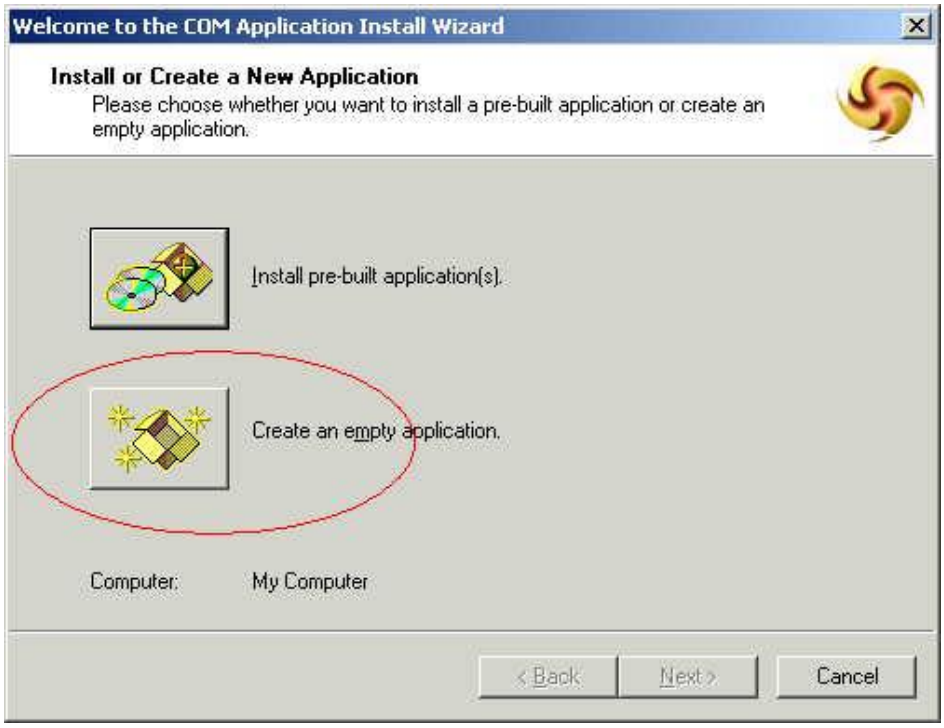
4.1 Load "Component Services" :



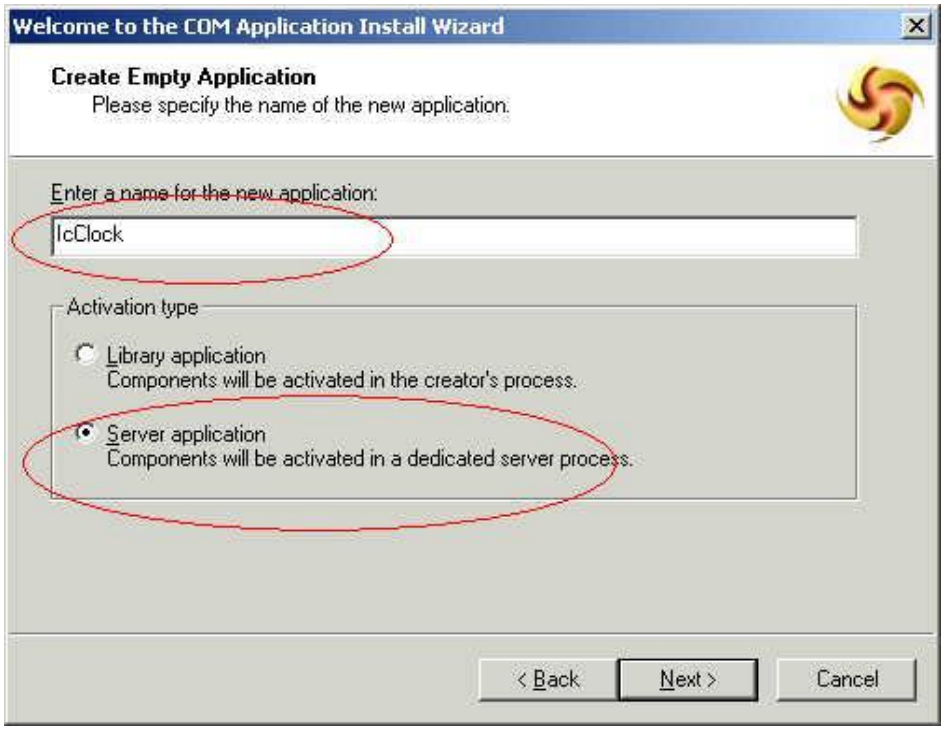
4.2 Open a new application:



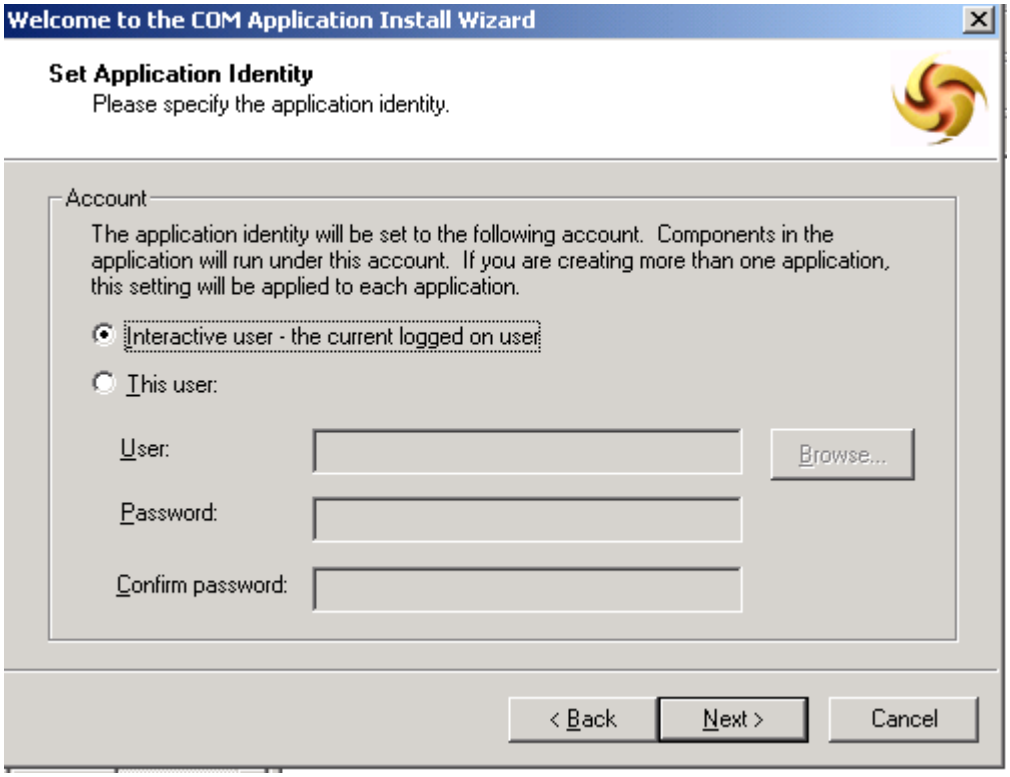
4.3 Select "Create an empty application"



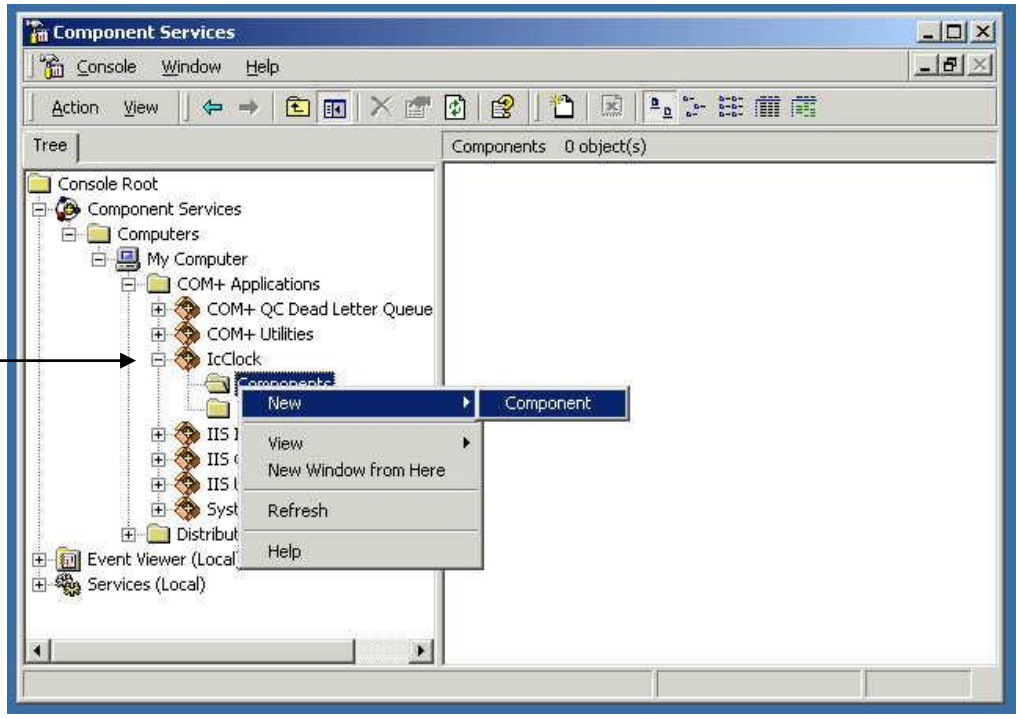
4.4 Name the application "**IcClock**"



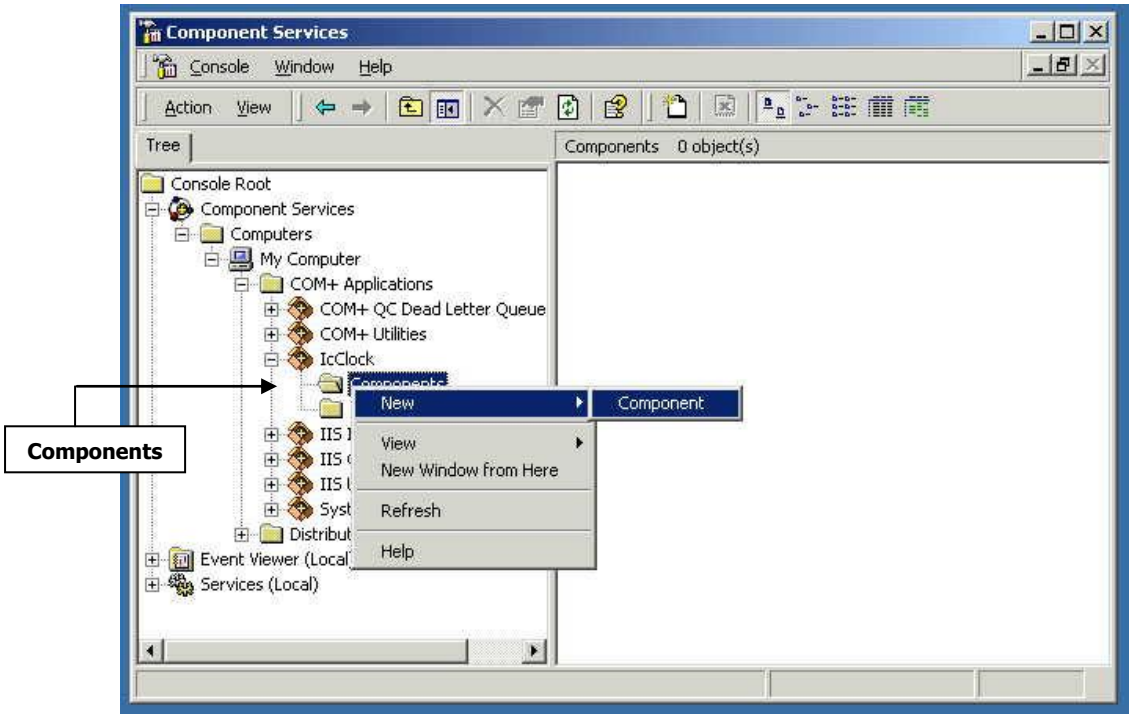
4.5 Set the application identity as an "**Interactive user"**



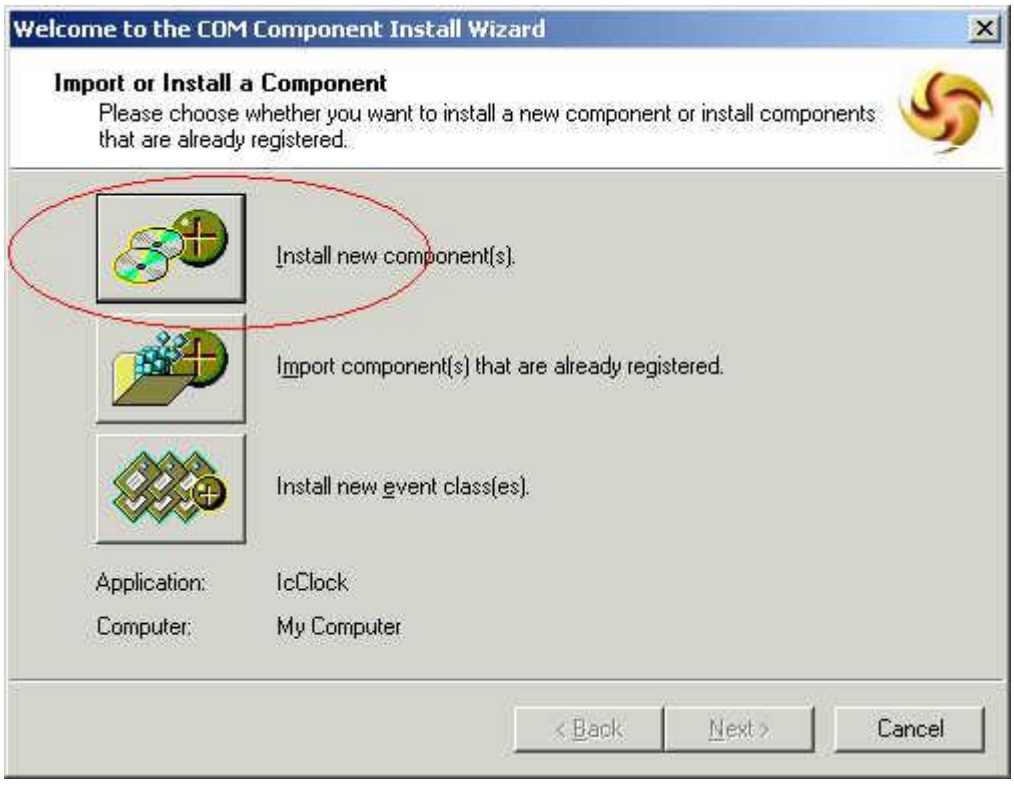
"**IcClock**" will be created :



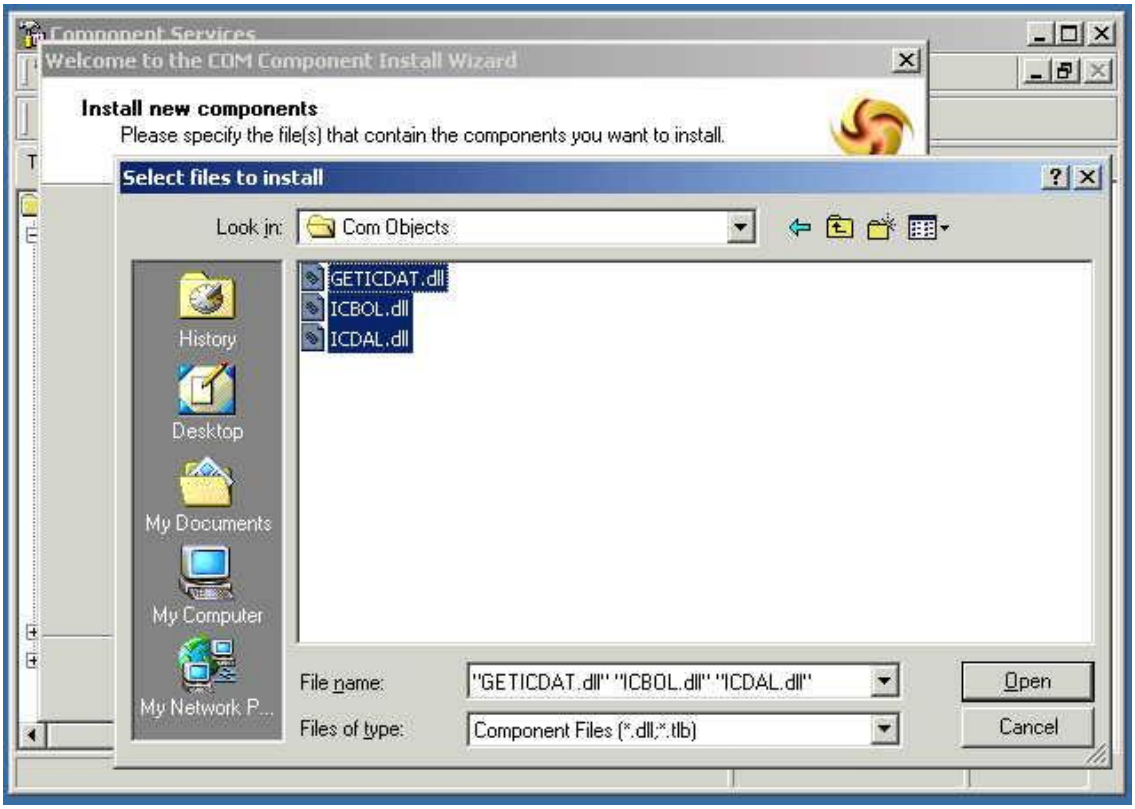
4.6 Create a new component



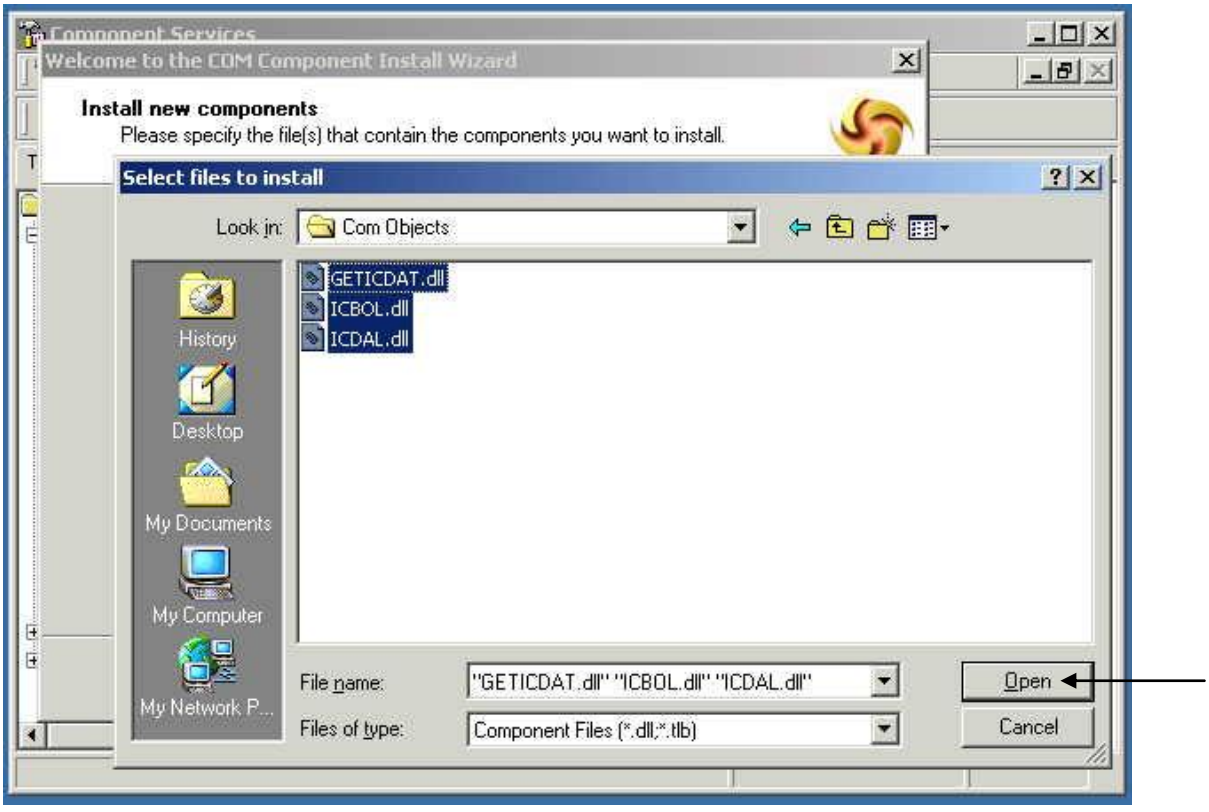
4.7 Install the new component(s)



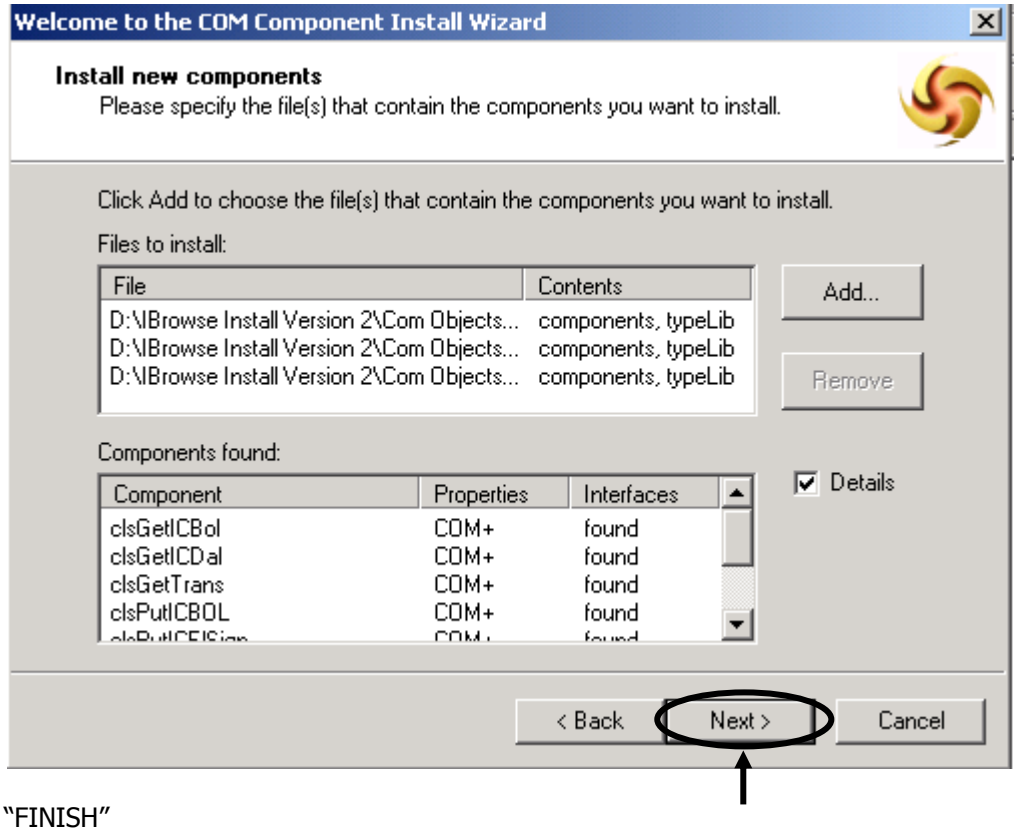
4.8 Select all files from ***[..|iBrowse|iBrw_obj]*** directory



4.9 Select "**OPEN**"



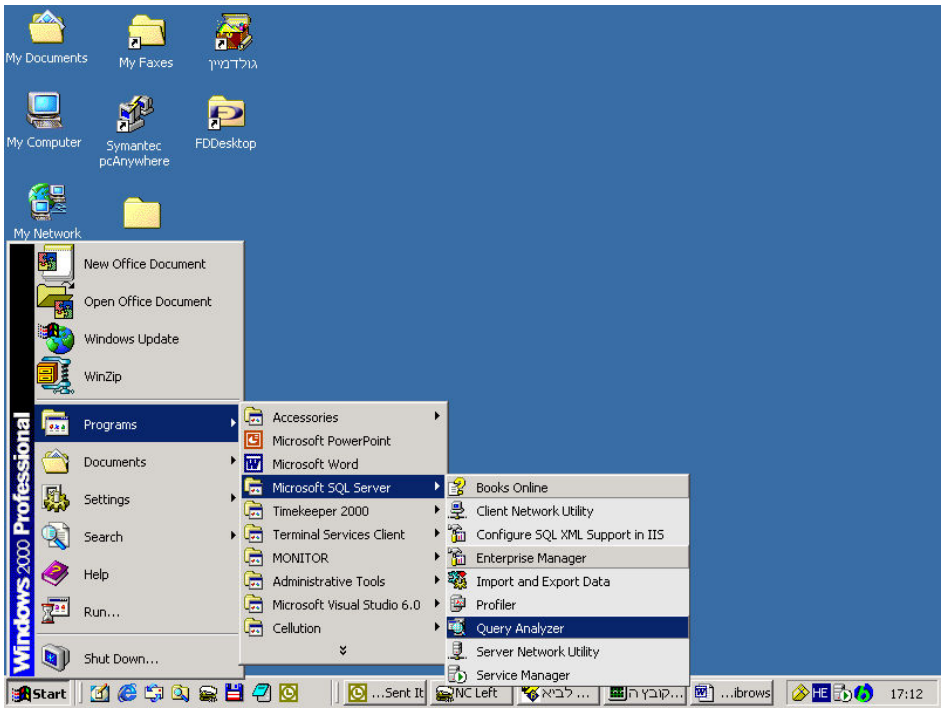
4.10 Run the Installation



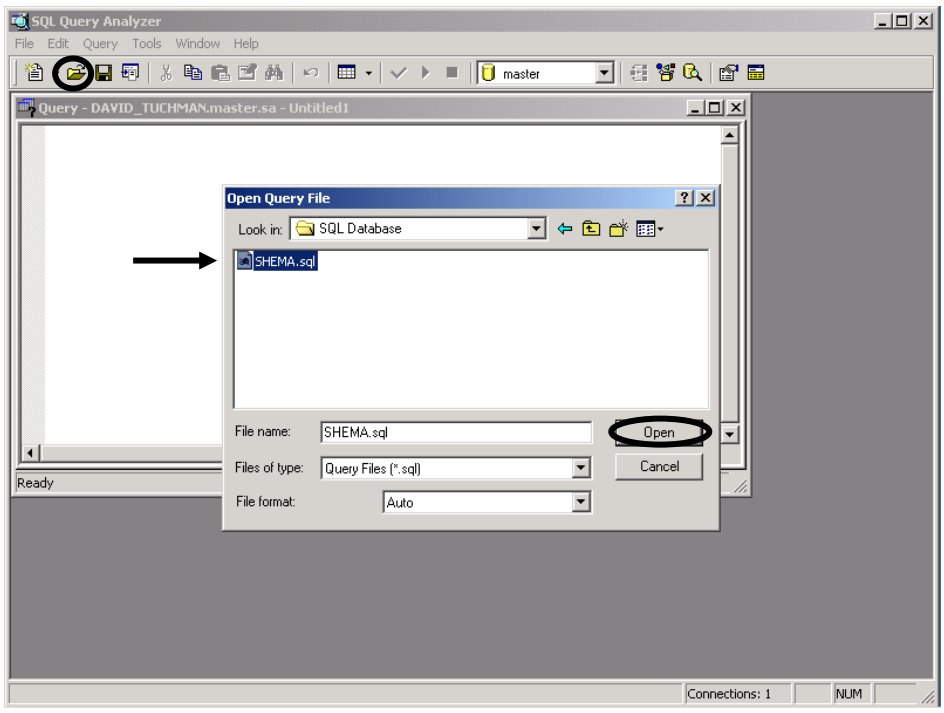
4.11 Select "FINISH"

Step 5 - Installing iBrowse™ database in MS-SQL server

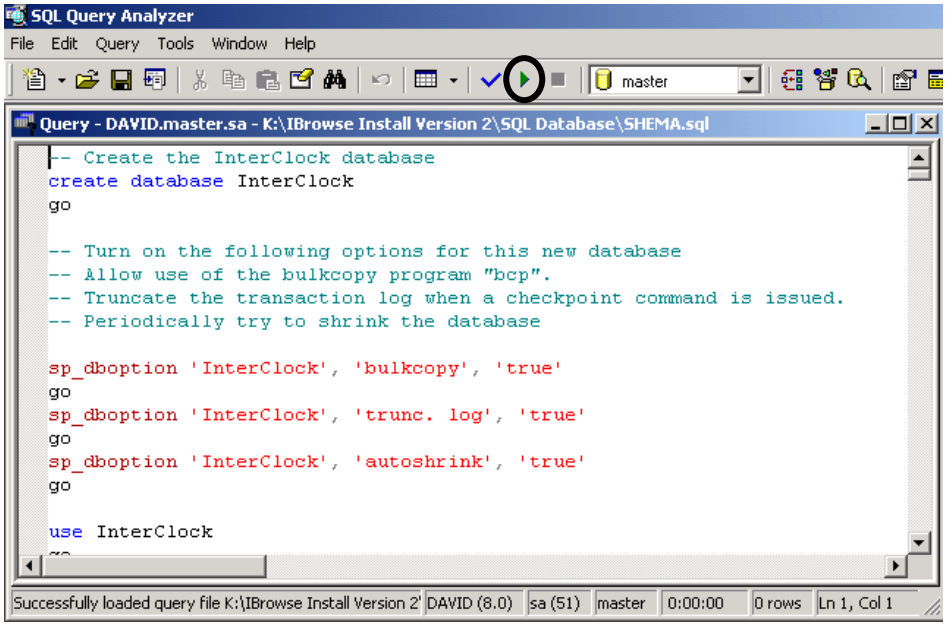
5.1 Load MS-SQL's "**Query analyzer"**



5.2 Open **SCHEMA.SQL** from iBrowse's installation directory ***[C:\|iBrowse\|Install-set\|SQL Database]***

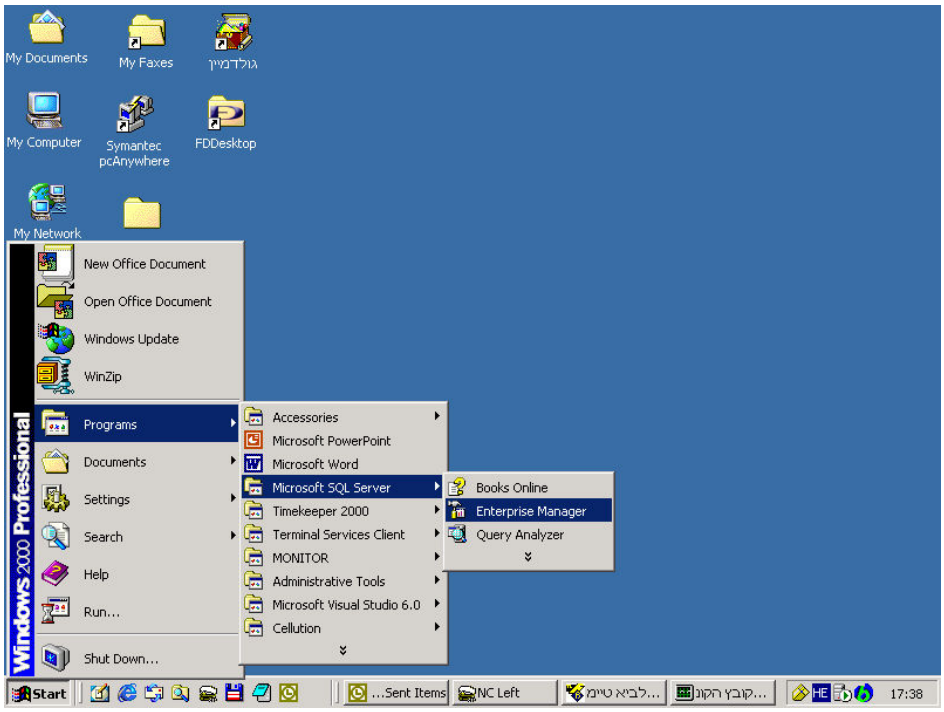


5.3 Run the SCRIPT for creating **InterClock** Database:

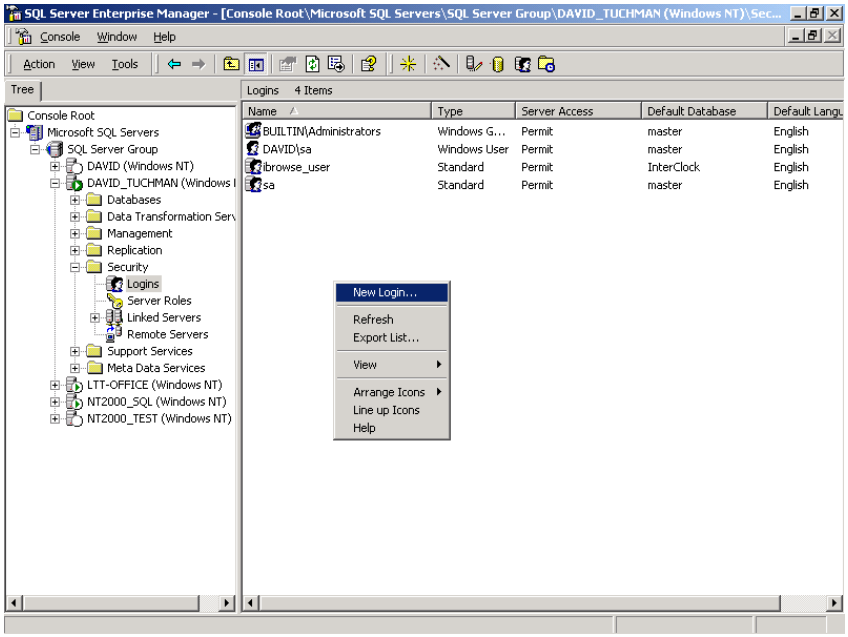


Note: In the end of the process, a message indicating success/failure will appear.

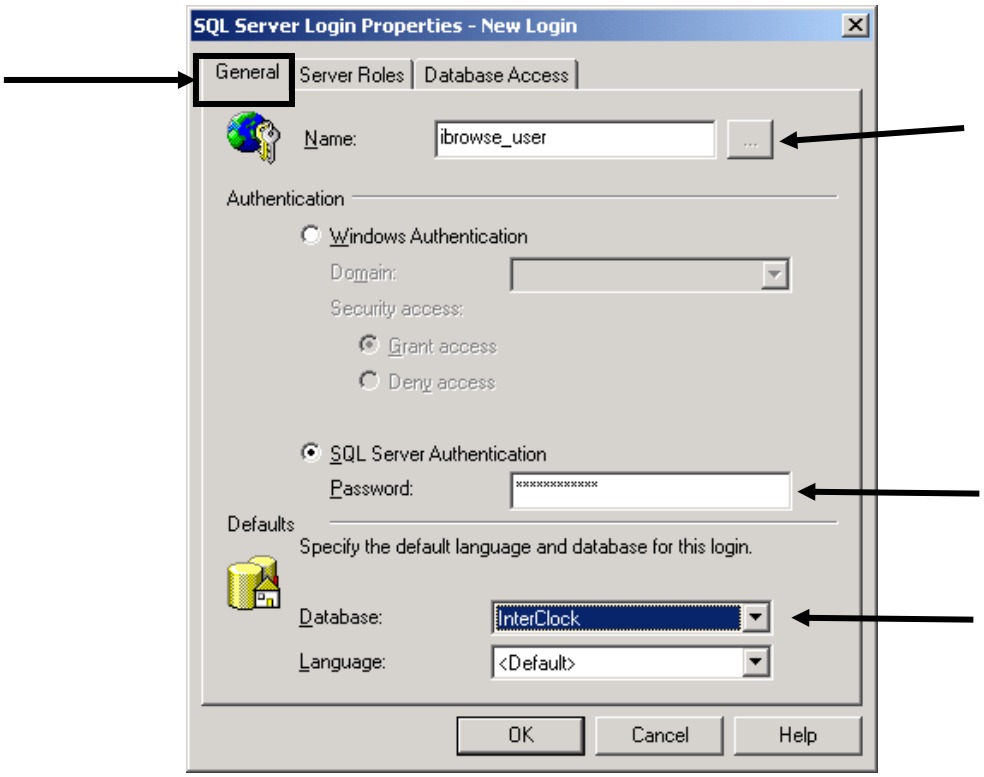
5.4 Load MS-SQL "**Enterprise Manager**"



5.5 Select "**Security / Logins / New Login"**

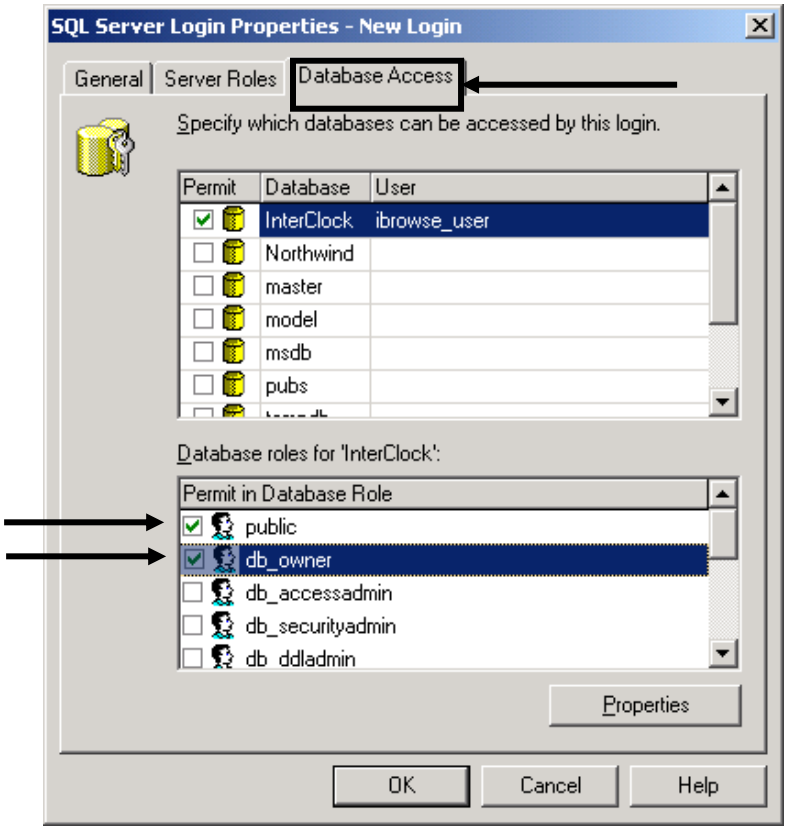


5.6 Specify user name and password :



Specify username as "ibrowse_user", in Authentication select "SQL Server Authentication" and enter a password of your choosing. Note the password you selected for future use. In the default section, select "InterClock", as the database for this login.

5.7 Select the "Database Access" tab, choose the "InterClock" database and then set permission to "public" and "db_owner".



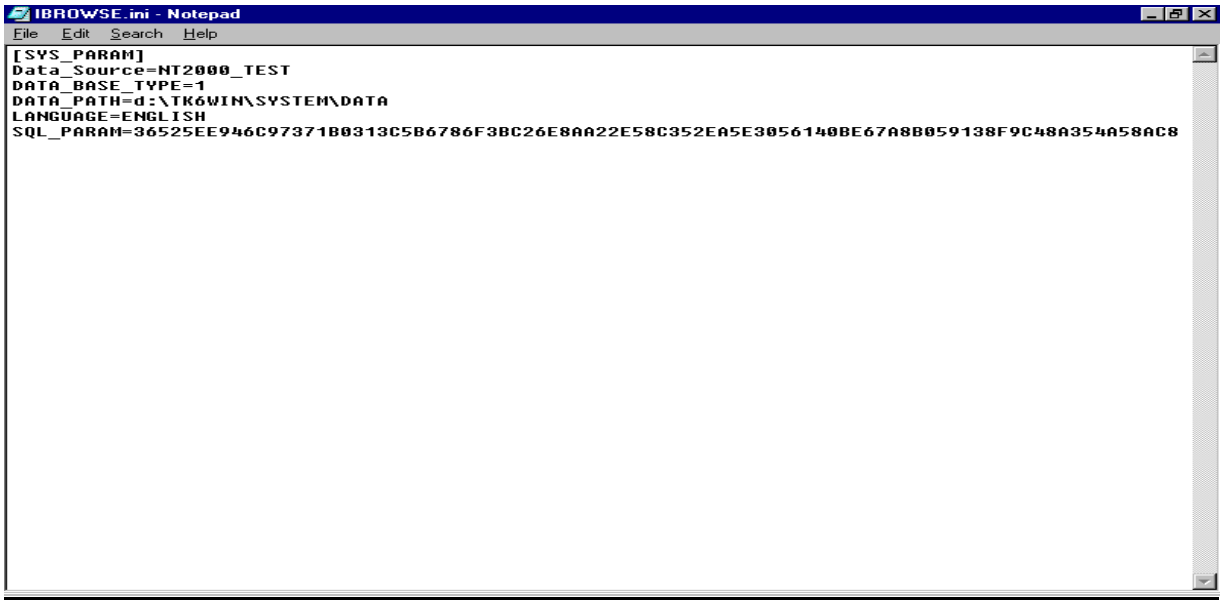
Note: After pressing "OK", the system will require you to confirm new password. Enter the password you entered (and noted down) again.

Step 6 - Specifying iBrowse™ INI file

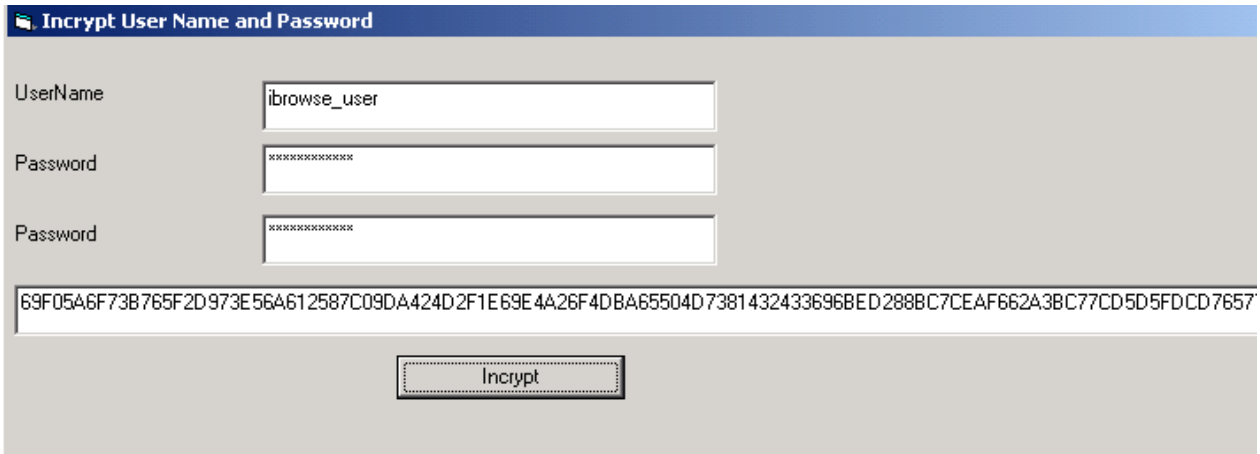
6.1 Copy **IBROWSE.INI** from ***[C:\iBrowse\Install-set\Windows]*** directory to the server's ..\WINDOWS directory e.g. ***..\WINNT***

6.2 Edit **IBROWSE.INI:**

IBROWSE.INI Consist of 6 lines:
Line (1) – [System parameters] : This is NOT to be changed.
Line (2) – [Data source] : The SQL server's name.
Line (3) – [Database type] : This is NOT to be changed.
Line (4) – [Data path] : TimeKeeper's data directory (TK is used as a "back office" engine).
Line (5) – [Language] : The language selection relevant ONLY to the login screen.
Line (6) – [SQL Parameter] : A String represents the username and password (encrypted) in **SQL**



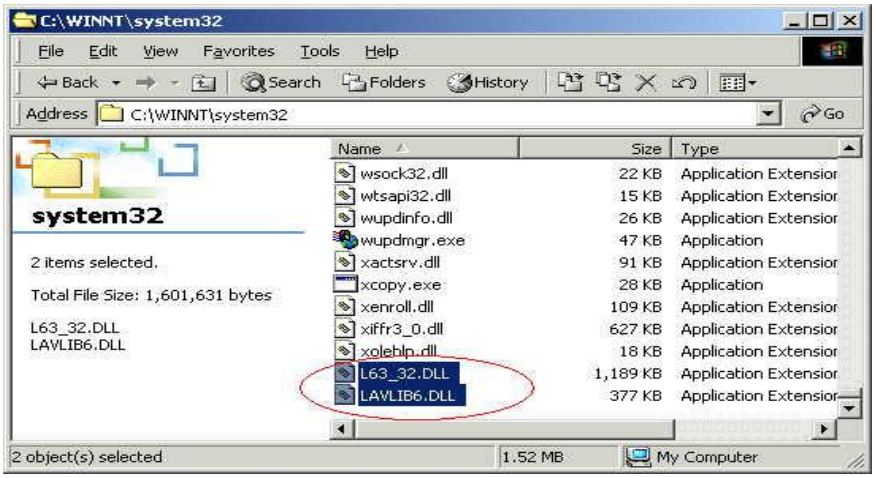
In order to generate the string which represents the username and password in **MS-SQL**, run ***C:\iBrowse\Install-set\Encrypt\Incrypt.exe.*** Specify the user name, password, password re-confirmation and "[**Encrypt**]" :



The String will be created in the last line. **Copy the string (using COPY and PASTE commands) to the IBROWSE.INI file relatively** i.e. to the [SQL Parameter] line.

Step 7 - Updating the server's WINDOWS|SYSTEM Directory

Copy all files from the server's ***..|iBrowse|Install-set|System32*** to the server's ***..|WINNT|System32*** directory. As a result, the following files will be added to the ***..|WINNT|System32 directory:*** *L63_32.DLL, LAVLIB6.DLL, LAVDLL32.DLL*



Step 8 - Updating the workstation which polls iBrowse™ transactions

WINDOWS 95/98

8.1 Copy ***C:|iBrowse|Install-set|Client|*.*** to the workstation's ***Windows|system*** directory.

8.2 Run the following command from the Start / Run menu :
REGSVR32 C:|Windows|system|GETICDAT.DLL

WINDOWS NT/2000

8.1 Copy ***C:|iBrowse|Install-set|Client|*.*** to the workstation's ***WINNT|SYSTEM32*** directory.

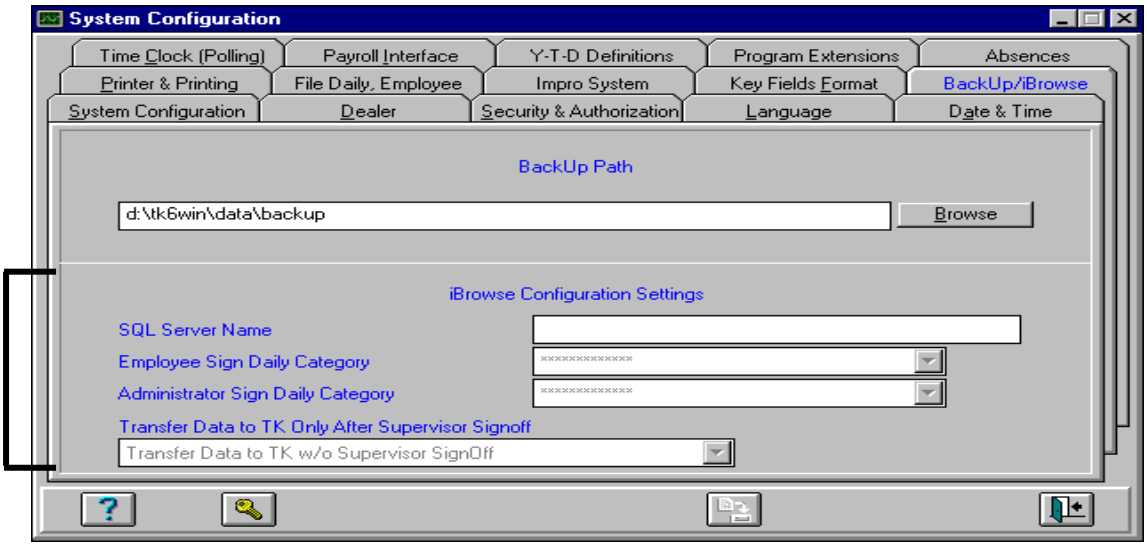
8.2 Run the following command from the Start / Run menu :
REGSVR32 C:|WINNT|SYSTEM32|GETICDAT.DLL

Step 9 - Updating TimeKeeper with iBrowse™ configuration files

9.1 Upgrade TimeKeeper to the most recent version.

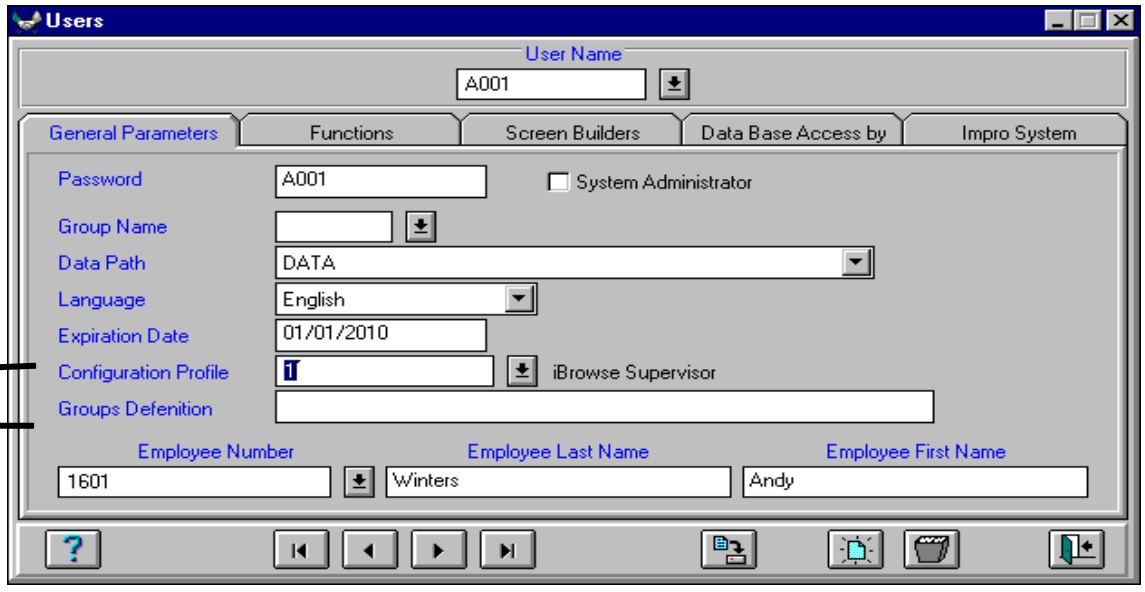
9.2 Update TimeKeeper with the most recent iBrowse configuration files;
Copy ***C:\iBrowse\Install-set\TK5*.*** to the application directory.
Copy ***C:\iBrowse\Install-set\TK5\DATA*.*** to the DATA directory.

9.3 Log into TimeKeeper and load **SYSCNF**. Select "**iBrowse/Backup**" tab. Ensure that iBrowse fields are visible :



Note: If iBrowse fields do not appear on screen, upgrade **SYSEXT** file.

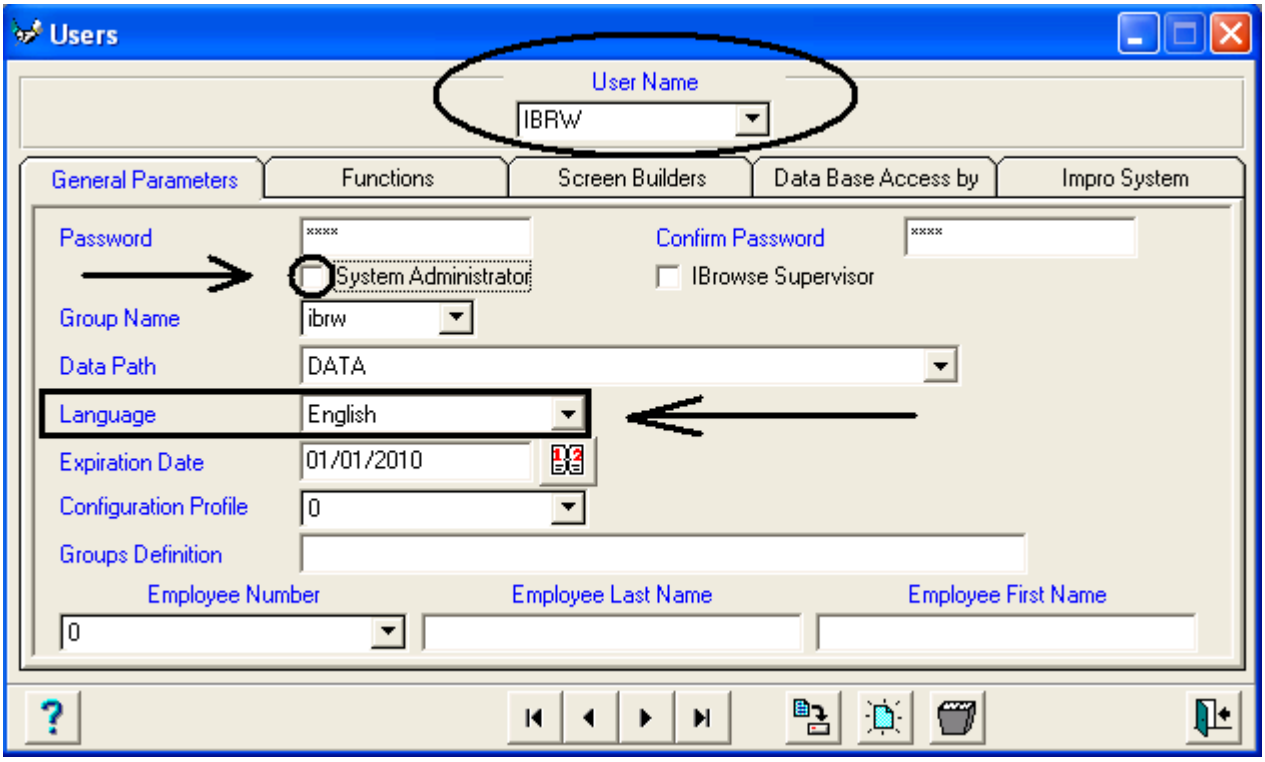
9.4 Load "Users definition" screen, and ensure that iBrowse fields are visible :



Note: If iBrowse fields do not appear on screen, upgrade **USERS** file.

9.5 Copy ***C:\iBrowse\Install-set\TK5\DATA\LAUDIT.CDX*** to ***..\TK6WIN\DATA*** Directory and re-index **LAUDIT** file.

9.6 Setup a new user (i.e. **IBRW**) within TimeKeeper (i.e. **USERS.EXE** program). The definitions for this user are irrelevant as it simply uses for **AUDIT TRAIL** (as per changes made in iBrowse module). Ensure that "System Administrator" option will be de-selected for iBrowse user and that the Language field matches the primary language of the TimeKeeper as set in the SYSCNF file.



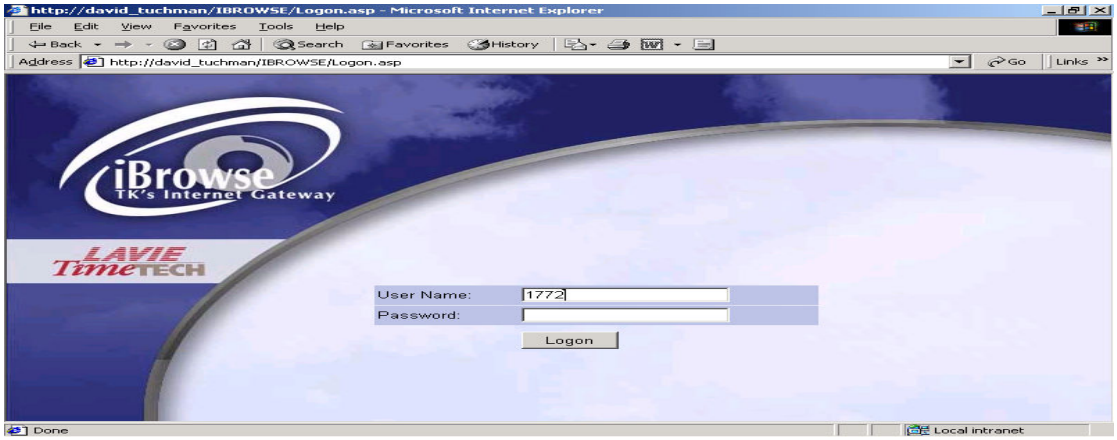
Step 10 – Load iBrowse™

In order to load iBrowse™, specify the following :

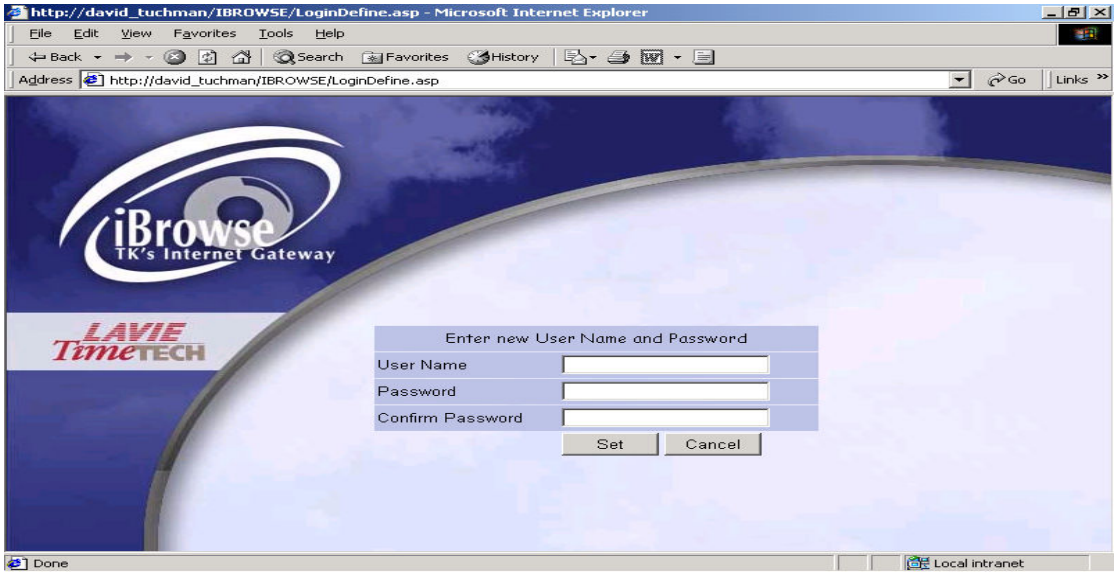
http://SERVERNAME/Ibrowse* e.g. *http://TimeTECH/Ibrowse

Note: In order to generate employee passwords, load "**iBrowse employee configuration**" screen and select "**Create records for all employee**" . If this option is selected, while loading iBrowse, each employee will be able to generate is own password as follows:

a) When loading iBrowse for the first time, the employee will **specify his employee no as user name providing a blank password:**



b) After selecting "login", the employee will define iBrowse's user name and password :



Trouble shooting

1. ***" Login Failed for user "iBrowse_user". Reason: Not associated"*** *while loading iBrowse web site:*
   The user is not defined in MS-SQL database correctly. In most cases, the cause is defining the user in "windows authentication" work mode. Load ***MS-SQL Enterprise manager*** *and ensure selecting "MS-SQL Authentication" work mode in "Logins/user/authentication".*

2. ***" Cannot open http://ibrowse_server/Ibrowse/logon.asp"*** *while loading iBrowse web site: Ensure that the* ***Internet Explorer*** *version (i.e. installed on the workstation) is at least 5.0.*

3. ***" Error in opening file (errors 360-364) "*** *while loading iBrowse web site:* *There is a problem in the connection between* ***MS-SQL*** *and* ***TimeKeeper****. Re-check the IBROWSE.INI file (i.e. which installed on the server), mapping and permission within* ***MS-SQL Enterprise manager****.*

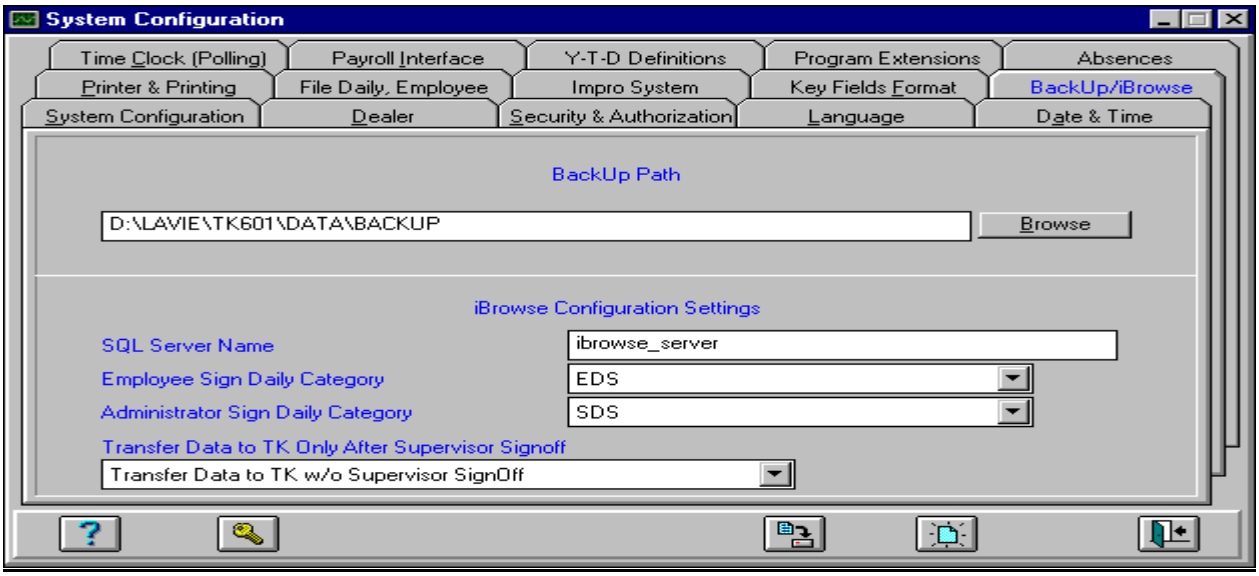
4. ***" Specified SQL Server not found" "*** *while loading iBrowse web site: The user is not defined in MS-SQL database as* ***DB_OWNER.*** *Load* ***MS-SQL Enterprise manager*** *and ensure selecting "MS-SQL Authentication" work mode in "Logins/user/Database Access".*

5. ***" Error in creating object (error 8) " while polling data from iBrowse (i.e. TRXFERIC program)***

Run ***GETICLOC.DLL*** *from the workstation as follows:*

a) Select ***START/RUN*** *menu, and run* ***REGSVR32 C:|WINDOWS|SYSTEM|GETICLOC.DLL***
b) Load TimeKeeper's configuration file (SYSCNF) and delete the server's name
c) Copy IBROWSE.INI from the server's ***..|WINDOWS|*** *to the workstation* ***..|WINDOWS|*** *directory*
d) Run ***..|Misc|MDAC_TYPE.EXE*** *from iBrowse installation CD.*

Step 11 – Specifying SYSCNF Definitions



SQL Server Name – Specify the server's name.

E-signature parameters – The general idea behind the electronic (or digital) signature is that a supervisor and/or the employee may approve the daily data specified in iBrowse. These settings within the **SYSCNF are the first step in e-signature activation** i.e. associating both **EDS** (Employee digital Signature) and **SDS** (Supervisor digital Signature) with manual pay categories within TimeKeeper.

The second step in **EDS** and/or **SDS** activation is via **iBrowse profiles generator** i.e. **DCNFPROF**. For further details, see **iBrowse setup document**.

Category for E-signature by employee
Used to specify the pay-category no. for e-signature by employee. Once a day has been e-signed, the value [1.00] will appear in the selected pay-category. Ensure selecting a pay-category that may be edited manually (i.e. 47-50).

Category for E-signature by supervisor
Used to specify the pay-category no for e-signature by supervisor. Once a day is e-signed, the value [1.00] will appear in the selected pay-category. Ensure selecting a pay-category that may be edited manually (i.e. 47-50).

Transfer data to TimeKeeper only after supervisor signoff
In some of the cases, supervisor's signoff considers to be the "certificate" for payment. In other words, there are organizations which do not transfer **TK** and/or **TC** information (i.e. from iBrowse to TimeKeeper) without having the supervisor approve all his employees records.

Following are the options for updating TK:

- Transfer data to TK without supervisor signoff
- TK and TC will be transferred only after supervisor signoff

- TK Data will be transferred only after supervisor signoff
- TC Data will be transferred only after supervisor signoff

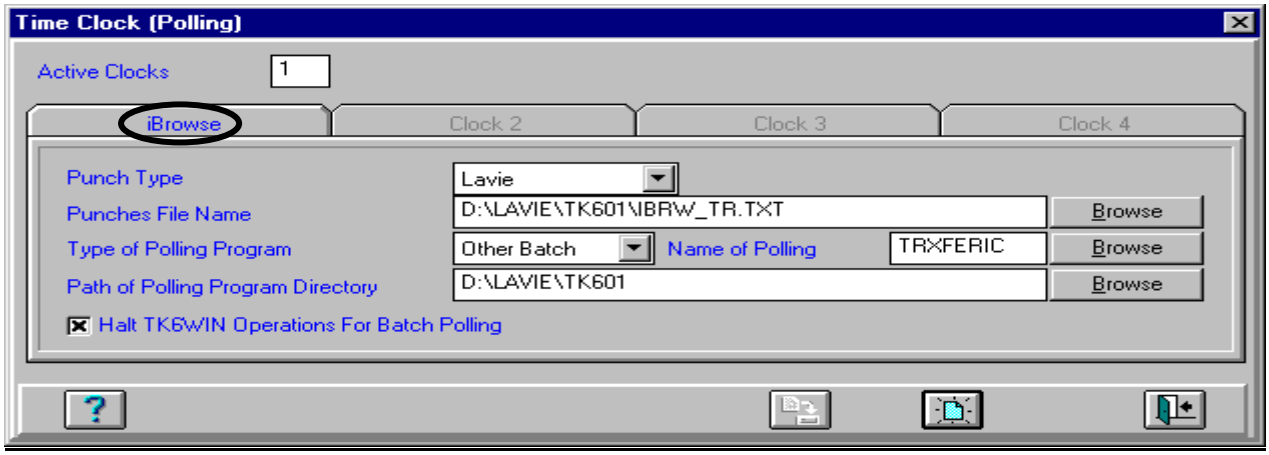
Step 12 – Specifying iBrowse™ data collection within TimeKeeper

The connection between IBrowse and TimeKeeper performs via clock polling interface. Defining an additional clock polling (i.e. iBrowse) within **TimeKeeper** enables utilizing TK standard polling mechanism for both manual and automatic data import.

Following are the required definitions to iBrowse clock:

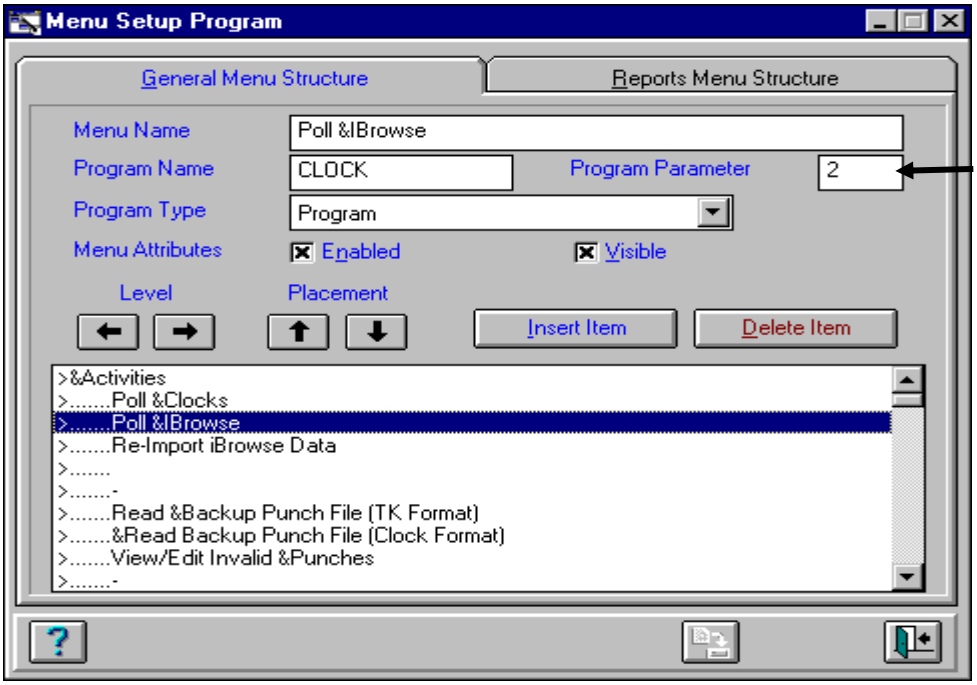
12.1 Clock Definitions within TK's system configuration file

- Punch type – "Lavie"
- Punches file name – Specify the file name and path of the punches file name e.g. ..\TK6\IBRW_TR.TXT
- Type of polling program – "Other batch"
- Name of polling program – "**TRXFERIC"**
- Path of polling program directory – Specify the path in which the polling program resides.



12.2 – Adding iBrowse clock to the menu

Following is the definition of iBrowse clock in the menu:



Program parameter

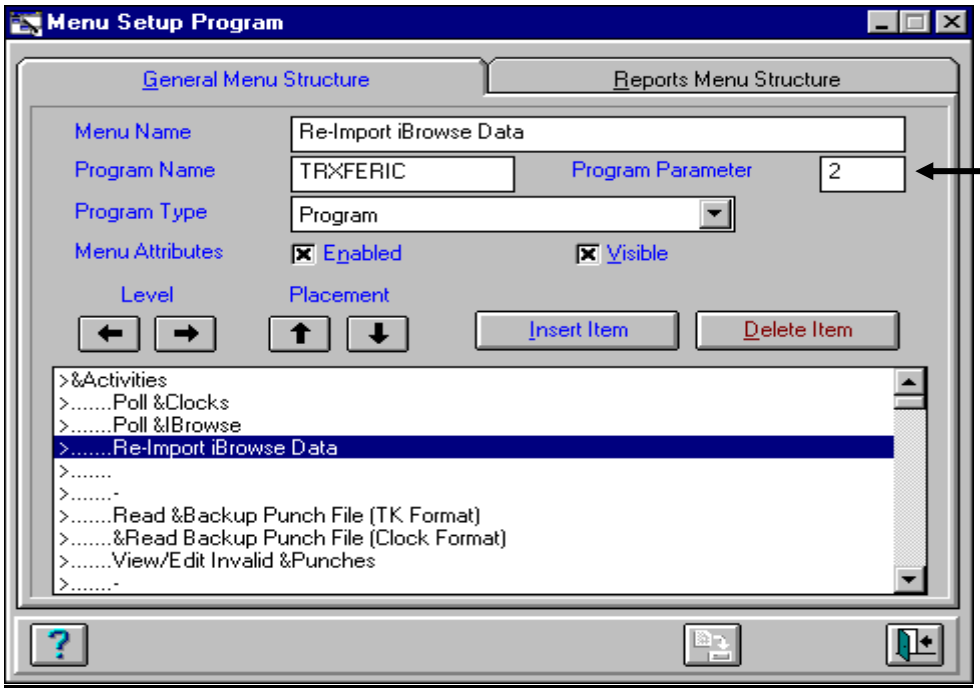
Define the program parameter according to the clock number designating iBrowse.

In this example there are 2 active clocks: the default clock and additional clock for polling data from iBrowse.

Thus, the program parameter is "2", for accessing the 2nd clock definitions.

12.3 – Adding iBrowse re-import option

This option will use for re-import iBrowse data according to a specified date range. Following are the required definitions:



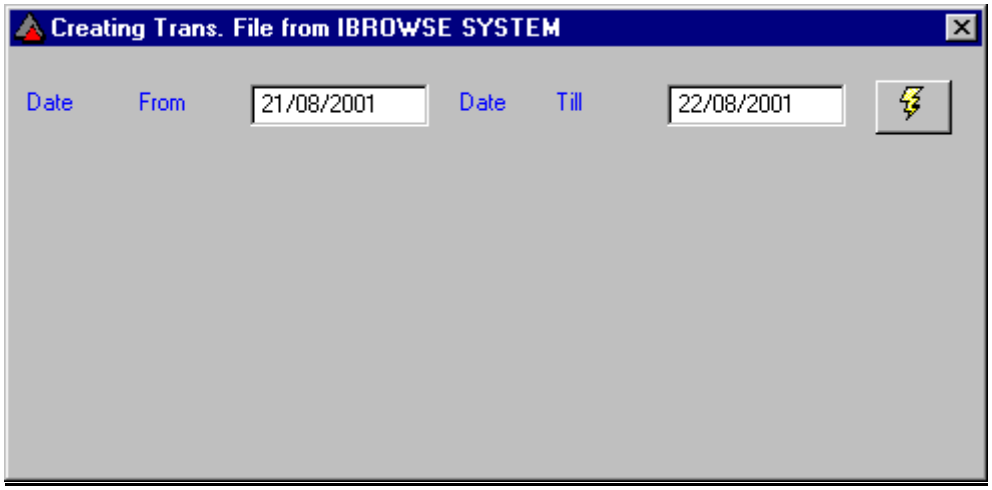
Program parameter

Define the program parameter according to the clock number designating iBrowse.

In this example there are 2 active clocks: the default clock and additional clock for polling data from iBrowse.

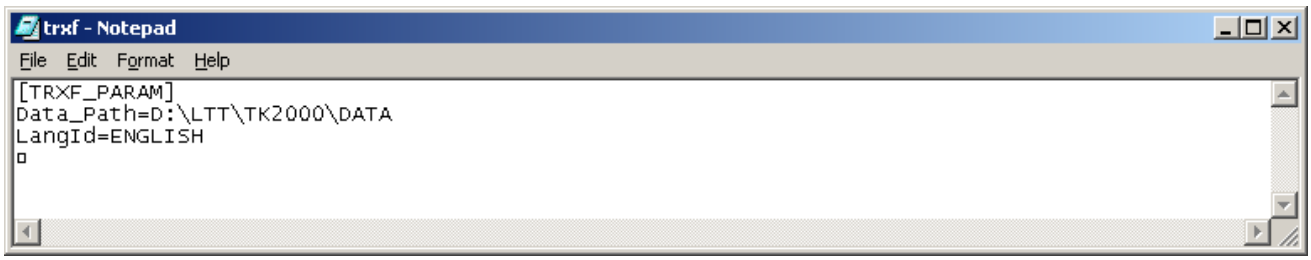
Thus, the program parameter is "2", for accessing the 2nd clock definitions.

Note: Following is the screen of re-import iBrowse data:



12.4 – specifying polling definitions within the TRXF.INI file

Specify TK's data path within the **..\TK2000\TRXF.INI** e.g. **F:\TK2000\DATA**



Step 13 – Specifying iBrowse™ users

Similarly to "TK's Users Definition", "iBrowse™ User Definition" enables specifying details about iBrowse™ users i.e. [User name], [Password] and associate a user with an iBrowse™ profile (which provides further details related to customizing display options and work modes in iBrowse™).

For further details, see **iBrowse setup document**.

Step 14 - Customizing iBrowse™ options within TimeKeeper i.e. generations profiles etc.

The profile configuration enables customizing both work mode and display options. By specifying a "set of rules" relating to such items as absence handling, number of in/out pairs, costing calculations, retroactive edits etc., you can configure the required display/work mode(s) according to specific customer and/or user needs. The configuration file includes six tabs: Attendance tab, Time Costing tab, General tab, Display tab, Dates tab and Time Sheet tab.

For further details, see **iBrowse setup document**.