

Medtech32

InterBase XE Back Up and Restore Guide



InterBase XE Backup and Restore Guide

This documentation contains information for InterBase XE Backup and Restore guide for Medtech32 database.

Note: *These Instructions contain important information for all Medtech32 users and IT Support Personnel. We suggest that these notes are filed safely for future reference.*

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1.0

Date:
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Contents

- Overview of InterBase XE Backup & Restore 3
 - Pre-Backup & Restore Checklist 3
- Briefcase Check-in 4
- InterBase Backup and Restore Documentation 6
 - Open IB Console 6
- InterBase Backup 7
 - Search for existing .ibk files 7
 - Open IB Console 7
 - Enter Password 11
- Register Database 11
 - Register Databases 11
- InterBase Backup 13
- InterBase Restore 15
 - Select the Restore Option 15
 - Define the Restore Information 16
- Medtech Support: 18

Overview of InterBase XE Backup & Restore

Warning

Before you proceed, please ensure that you have **A SUCCESSFUL DAILY BACKUP** of your data – preferably from the previous day.

INTERBASE BACKUP AND RESTORE CHECKLIST		
1	Pre-Backup & Restore Checklist	
2	Briefcase Data Check-in	
3	Daily Backup	
4	InterBase Backup and Restore	
5	InterBase Backup	
6	InterBase Restore	

Pre-Backup & Restore Checklist

Warning

Before you proceed, be sure to log into the computer with full Administrator rights

The following checklist is required to be completed to ensure that you successfully perform your InterBase Backup and Restore:

- Briefcase Data Check-in
- Daily Backup
- InterBase Backup and Restore
- Available Space
- Stop Medtech32 Scheduler, NIR Directory Monitor Tool, Generic Directory Monitor and ManageMyHealth Online Appointments Manager.

Briefcase Data Check-in

ALL NOTEBOOKS used for Briefcasing should be checked in prior to performing the InterBase Backup and Restore.

Daily Backup

It is essential that you have a successful backup prior to commencing the Backup and Restore process. This backup needs to be recent - preferably from the previous day. If you do not have a successful backup or do not know how to ascertain if you have a successful backup, **STOP NOW** and contact your engineer.

InterBase Backup and Restore

We recommend that you perform an InterBase Backup and Restore on all databases at regular intervals. E.g. MT32.ib (Patient Database), Blob.ib (Scanning Database).

The InterBase backup intervals varies based following parameters

- 1) Growth of MT32 & BLOB Database size
- 2) Number of Database Transactions

Available Space

You must have a minimum of the total size of all databases combined, as available space on the server hard drive, to perform this procedure.

To locate this information on the server, double click on the *My Computer* icon, then double click onto the Drive that contains Medtech32, locate the *MT32* folder and then double click onto the *Data* folder.

Please note the size of the each of the database files above MT32.ib, Blob.ib, Training.ib. (To view file size details select the menu option *View / Details*)

To ascertain available space: Double click on the *My Computer* icon, then right click onto the Drive that contains Medtech32 and select *Properties*. The amount of available space is listed.

Stopping MedTech32 Scheduler, NIR Directory Monitor Tool, Generic Directory Monitor and any other 3rd Party Applications/Utilities accessing InterBase Database.

Ensure that you have stopped the Medtech Scheduler (normally located on the computer with HealthLink installed), the NIR Directory Monitor Tool, the Generic Directory Monitor and the ManageMyHealth Online Appointments Manager.

In order to determine if these applications are running, check the taskbar on the computer with HealthLink installed. If these icons are present, then you would need to shut down these applications.

Note

If you restart the computer, it will attempt to re-activate the Utilities Tool if the tick in **“Run at Windows Startup”** is enabled

Briefcase Check-in

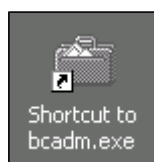
Warning

Please ensure that you have printed and read the following documentation

The following instructions are an excerpt from the Briefcase Installation instructions. For further information to troubleshoot the check-in process, refer to the above-mentioned instructions.

Open the Briefcase Administrator

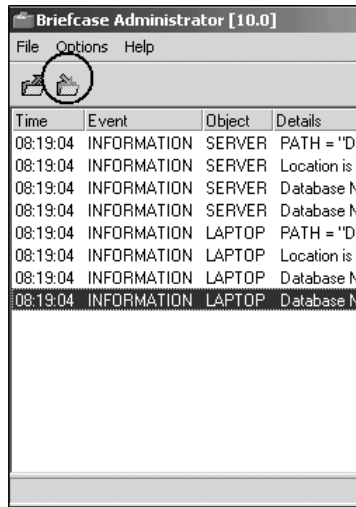
Double click on the **“Shortcut to bcadm.exe”** (Briefcase Administrator) icon from your desktop. (Actual file is located in C:\MT32\Bin\BCADM.exe)



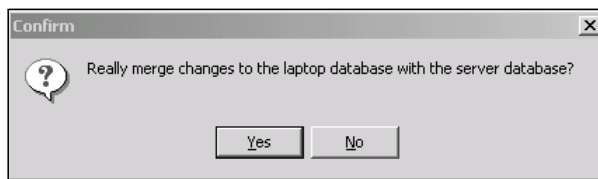
Check-in the Database

Click on the “Merge the Changes ...” option or via the menu select “Options ► Merge

Database Changes”.



Confirm that you wish to continue by clicking “Yes”

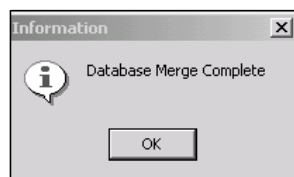


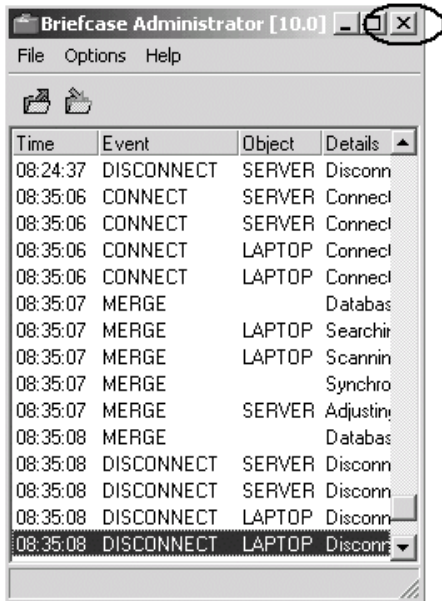
Please wait while files are merged back to your Server...



Database Merge Complete

Click on “OK” and Exit the Briefcase Administrator.



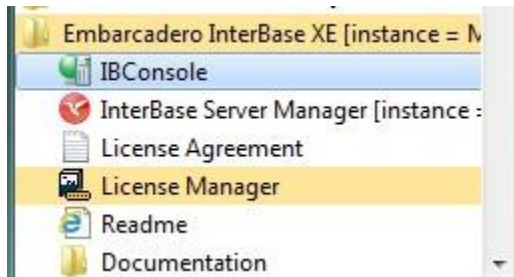


InterBase Backup and Restore Documentation

Open IB Console

Select **Start ► Programs ► Embarcadero InterBase XE [Instance = MedTech_IB11 ►**

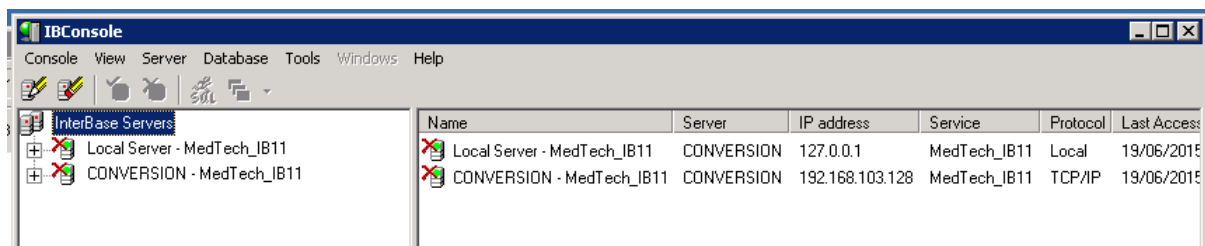
IBConsole



For 64bit Environment, launch the IBConsole from C:\Embarcadero\InterBase2011-MedTech\bin\IBConsole.exe

Check the InterBase Version

Select "Help ► About"



The following screen will display the current version of InterBase installed on the server:



Warning

Please ensure you are on InterBase XE SP4(10.0.3.566) .If not please follow the link below

Server Installation - [Link](#)

Client Installation - [Link](#)

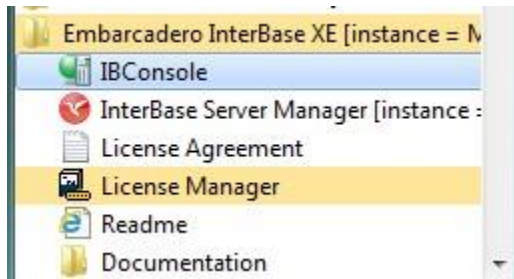
InterBase Backup

Search for existing .ibk files

Existing BAK files may cause some confusion when restoring databases, therefore we recommend that you search for the existence of a file before proceeding.

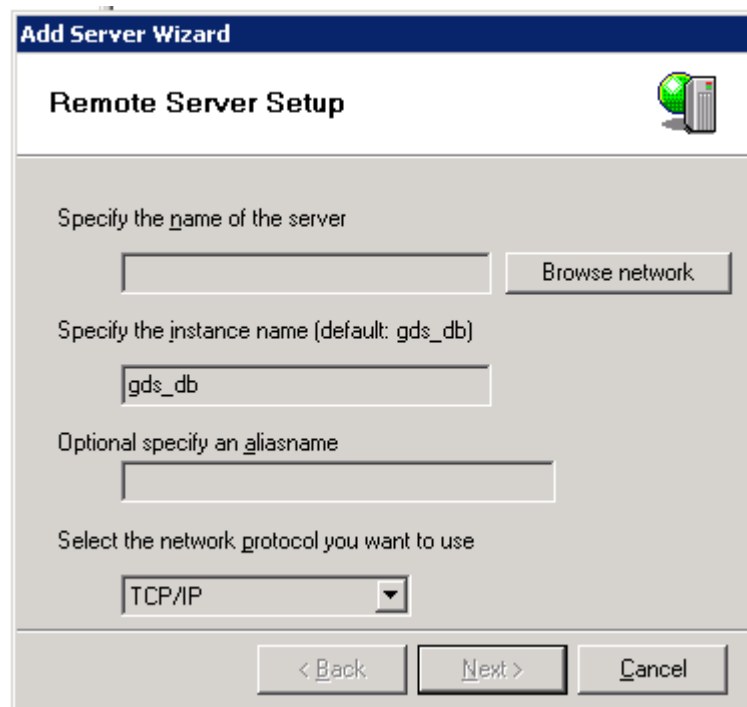
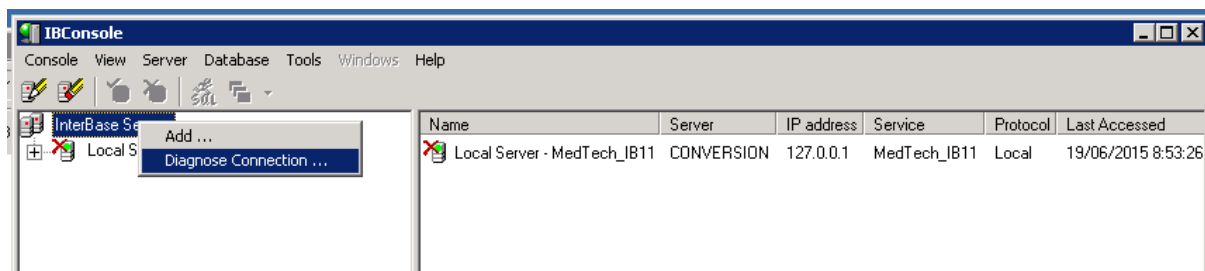
Open IB Console

On the Server, Go to **Start ► Programs ► Embarcadero InterBase XE [Instance = MedTech_IB11 ► IBConsole.**

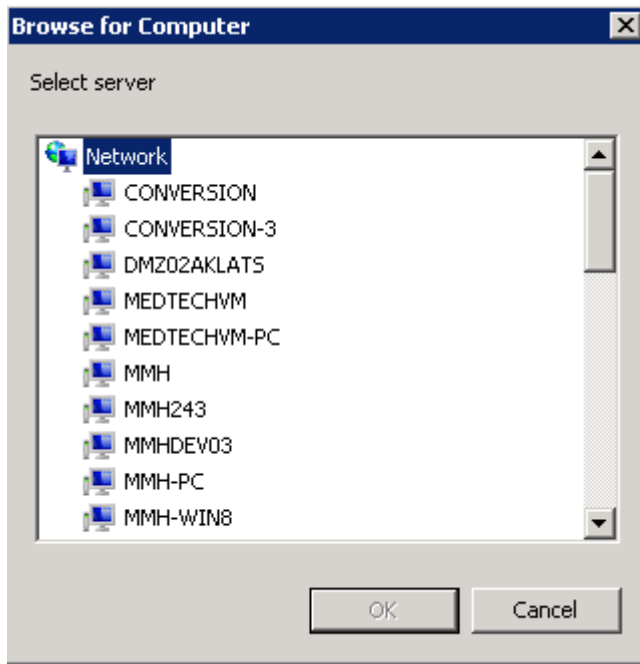


For 64bit Environment, launch the IBConsole from C:\Embarcadero\InterBase2011-MedTech\bin\IBConsole.exe

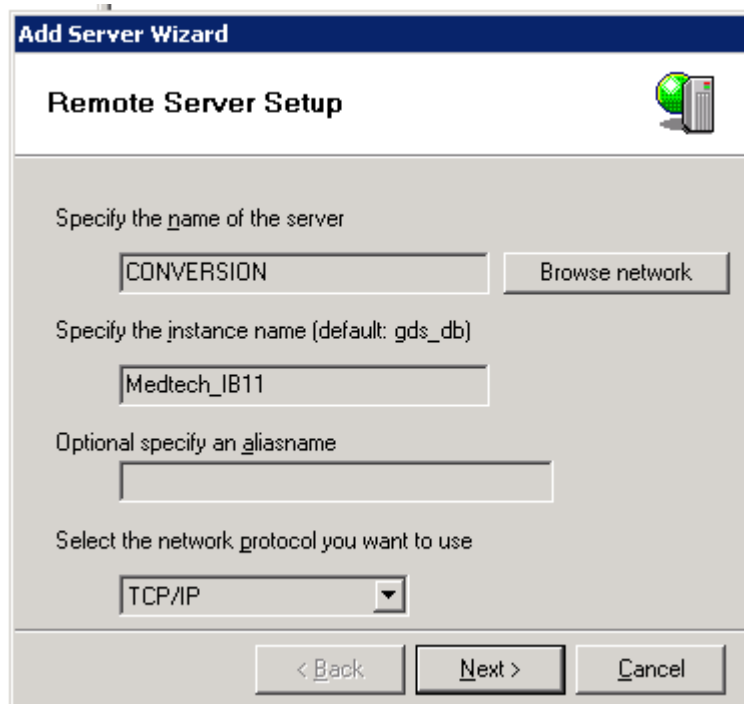
Go to **InterBase Server** , Right Click and select Add



Click on Browse Network and browse to the Medtech server computer on the Entire Network



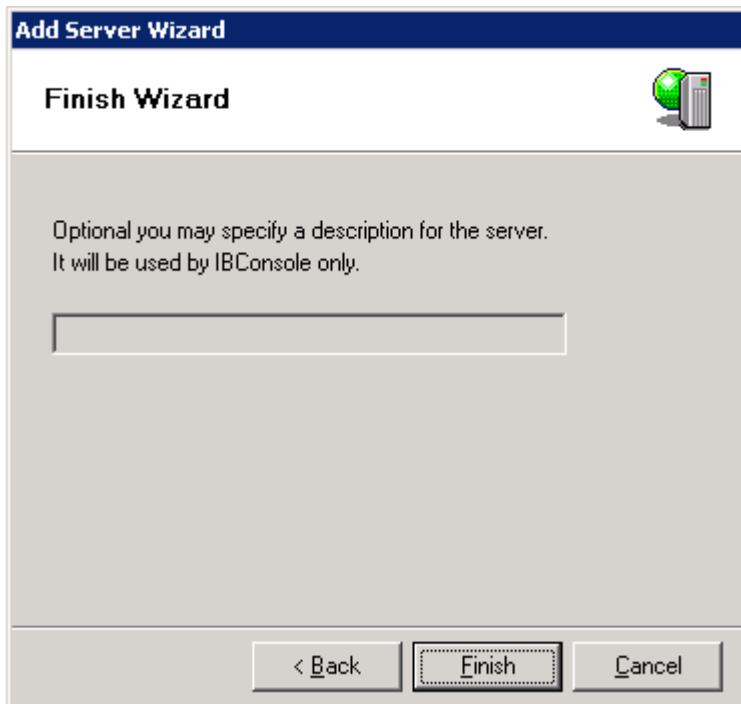
Type in Specify the instance name as **MedTech_IB11** and click **Next**



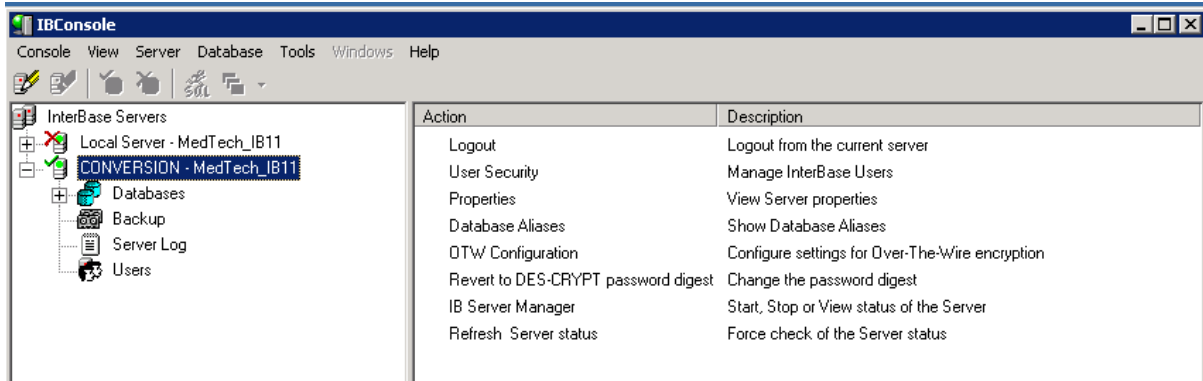
The following screen will be displayed and enter the Password as “**masterkey**” and click Next.



And the screen below will be displayed. You can enter a description for the Server, it's optional and Click on Finish.

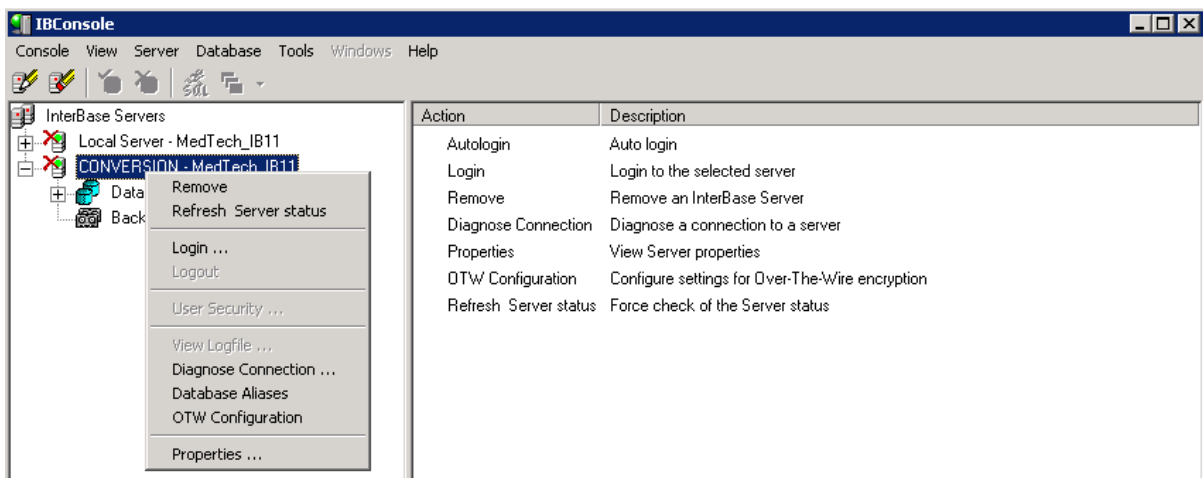


The InterBase Server will now be displayed in the IB console



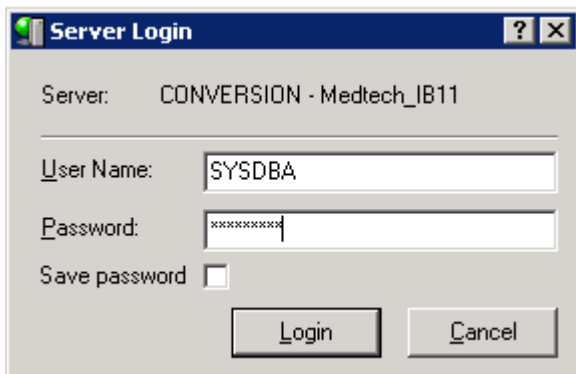
Login to the InterBase Server

Right Click onto the Server and then select the **Login** menu option



Enter Password

User name is **"SYSDBA"**, enter the password **"masterkey"** then click on the **"Login"** button

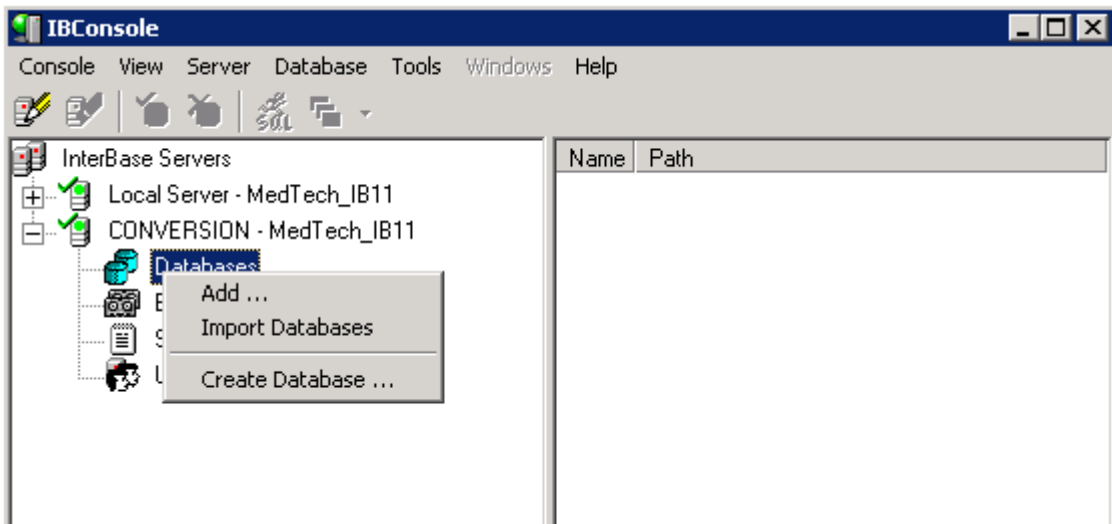


Register Database

Register Databases

Click onto plus (+) sign to the left of Server (the plus (+) will change to a minus (-) sign and display additional options).

Right Click on **"Database"** and select **"Add"**

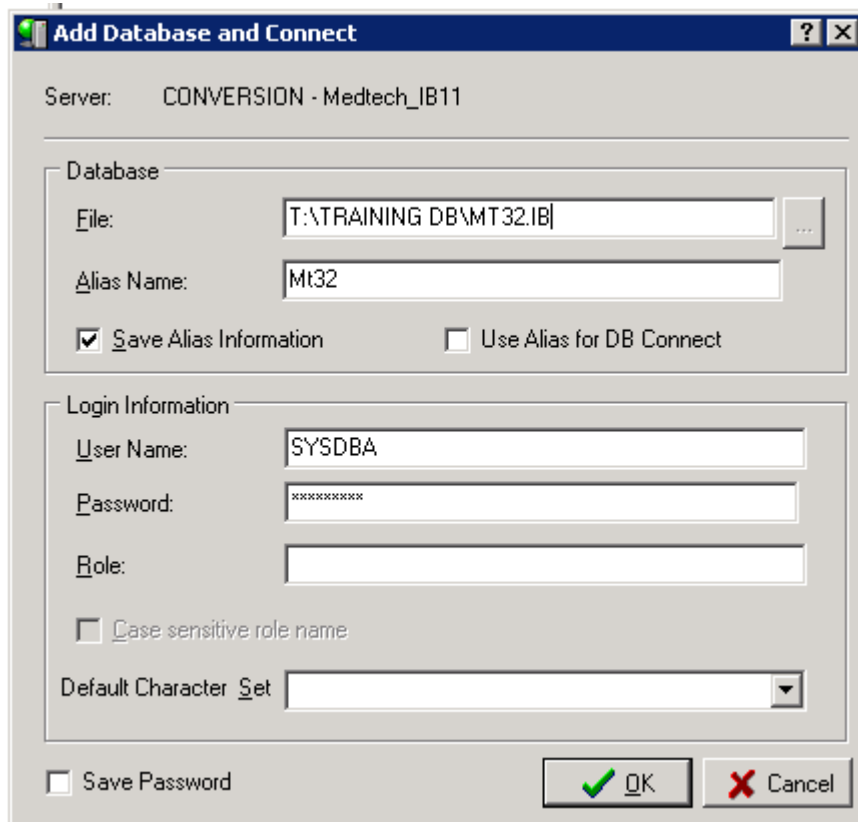


Enter the path to the MT32\Data directory C:\MT32\Data\MT32.IB

Note

The Medtech32 databases will be listed under the Server / Databases menu once you register the databases.

The name of the selected database will display within the **“Alias”** field automatically. Select **“OK”**



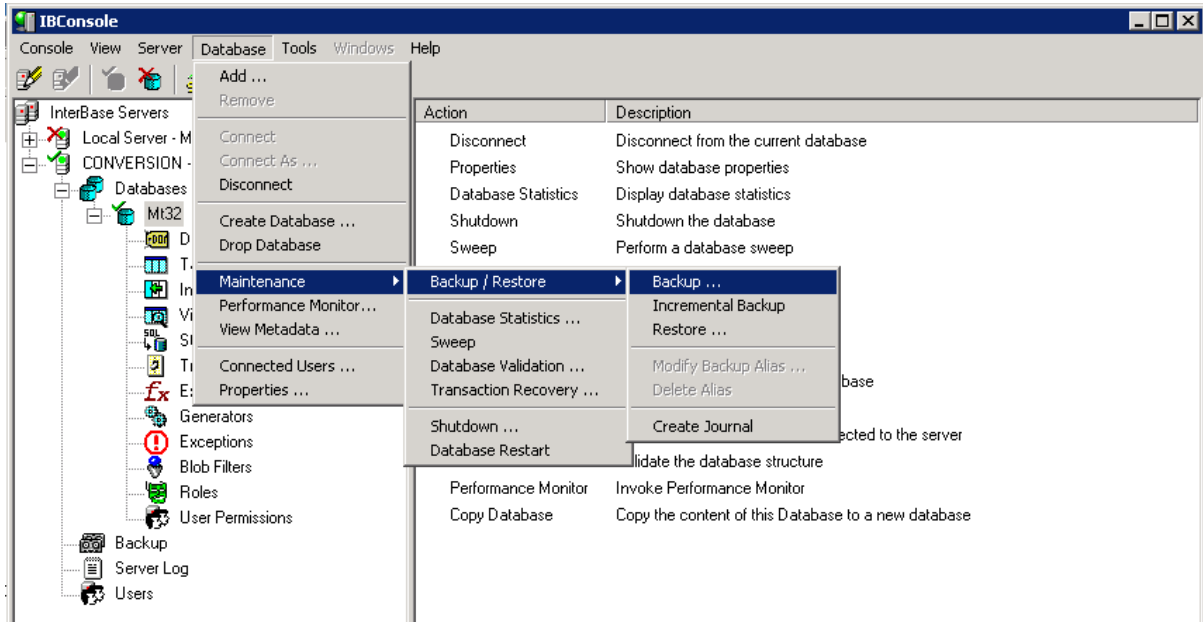
Note

Repeat this process above to register all of the databases included within the MT32\Data folder, for example the “Training” and the “Blob” databases.

InterBase Backup

Select the Backup option

Select the “**Database ► Maintenance ► Backup/Restore ► Backup**” menu option

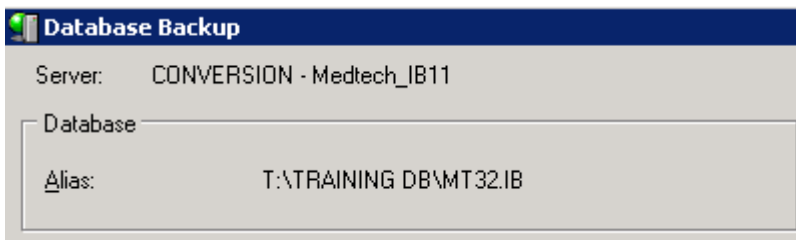


Define the Backup Information

This screen defines the path where the backup file will be saved to.

Database Section:

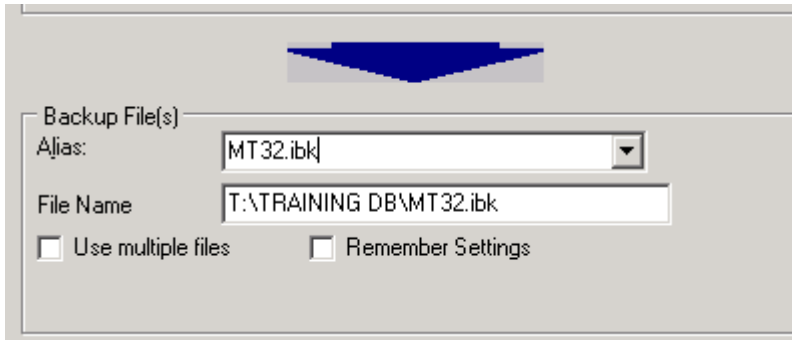
The database “**Alias**” should default the selected database, for example MT32.ib



Backup Files Section:

The Server should default to “**Server name -MedTech_IB11**”.

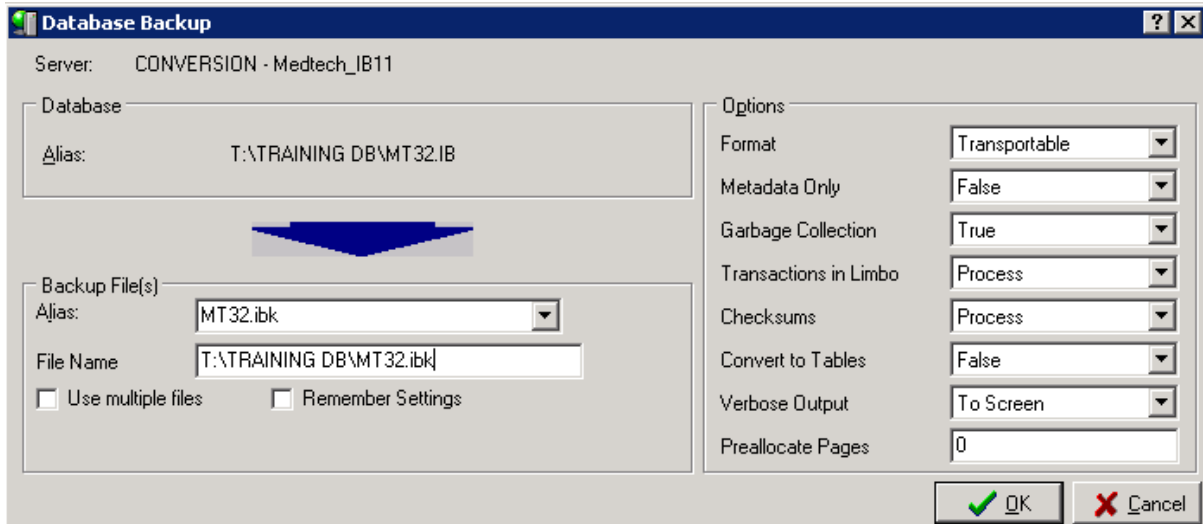
Within the “**Alias**” field type the name of the backup file e.g. “**MT32.ibk**” and within the “**Filename**” field enter the path for the backup file e.g. “**C:\MT32\DATA\MT32.ibk**”



Ensure the below recommended options are set for each property.

Property	Recommended Value
Format	Transportable
Metadata Only	False
Garbage Collection	True
Transactions in Limbo	Process
Checksums	Process
Convert to Tables	False
Verbose Output	To Screen
Preallocated Pages	0

Select the “OK” option

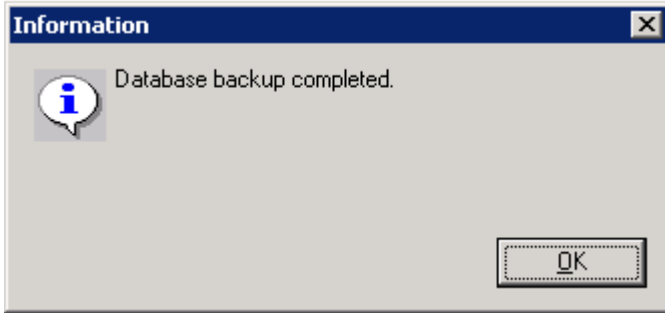


Wait for the backup to complete



This may take several hours

When the “**Database Backup Completed**” prompt appears click on “**OK**”



Note
If an error is displayed at the end of the process **do not proceed any further.**

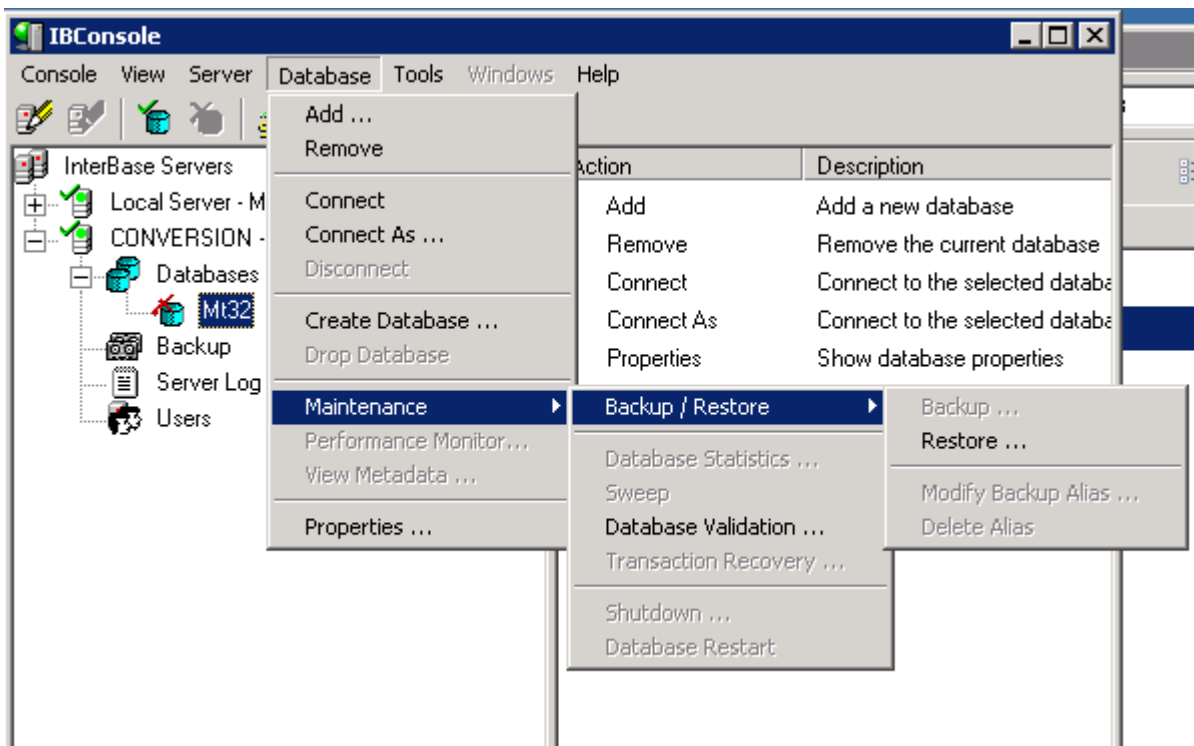
Please call our Support services.

InterBase Restore

Note
The Restore Option may take longer than the Backup Option – in some instances this could even take twice as long. You will need to perform the restore on all databases registered. E.g. MT32.ib, Blob.ib, Training.ib

Select the Restore Option

Select the “**Database ► Maintenance ► Backup/Restore ► Restore**” menu option

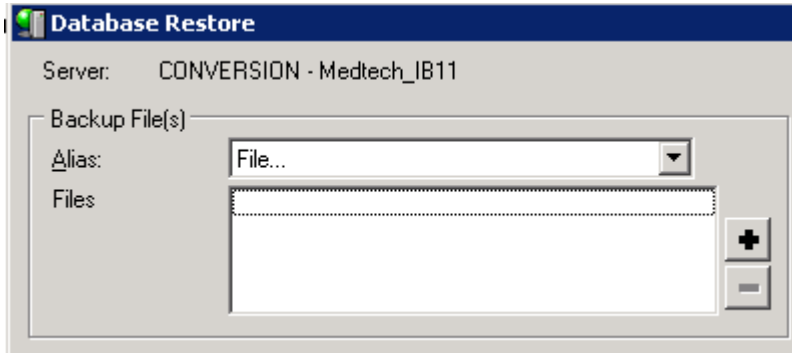



Define the Restore Information

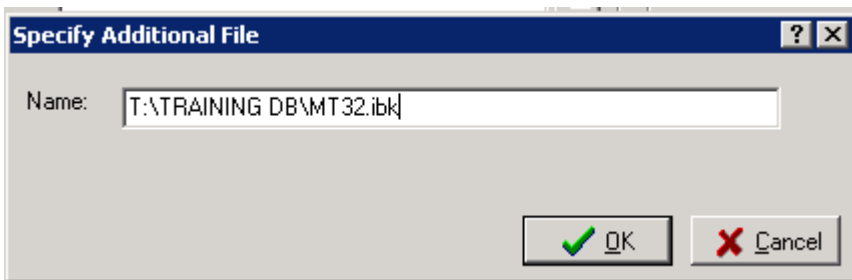
This screen defines where the data will be restored to.

Backup File Section:

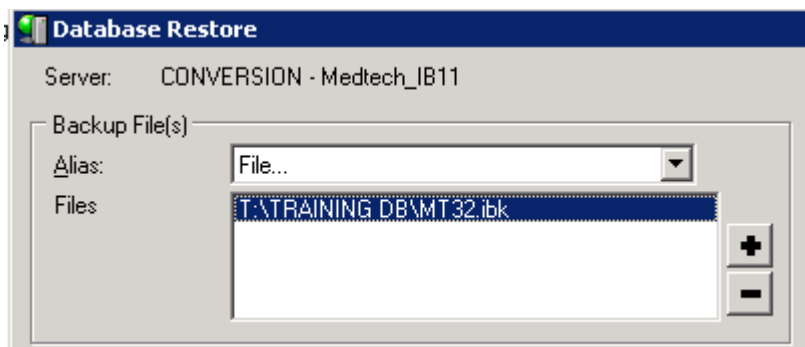
Within the “Alias” drop down listing select the file menu



Click on the  option and that will ask you to specify the Additional file and enter the default path where MT32.ibk is stored.

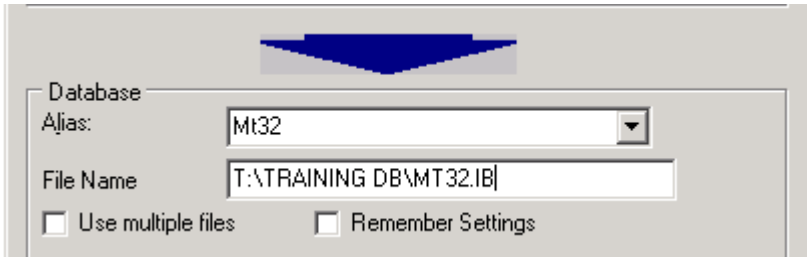


Click Ok to this screen and the File name will be displayed in the Files section as shown below.



Database Section:

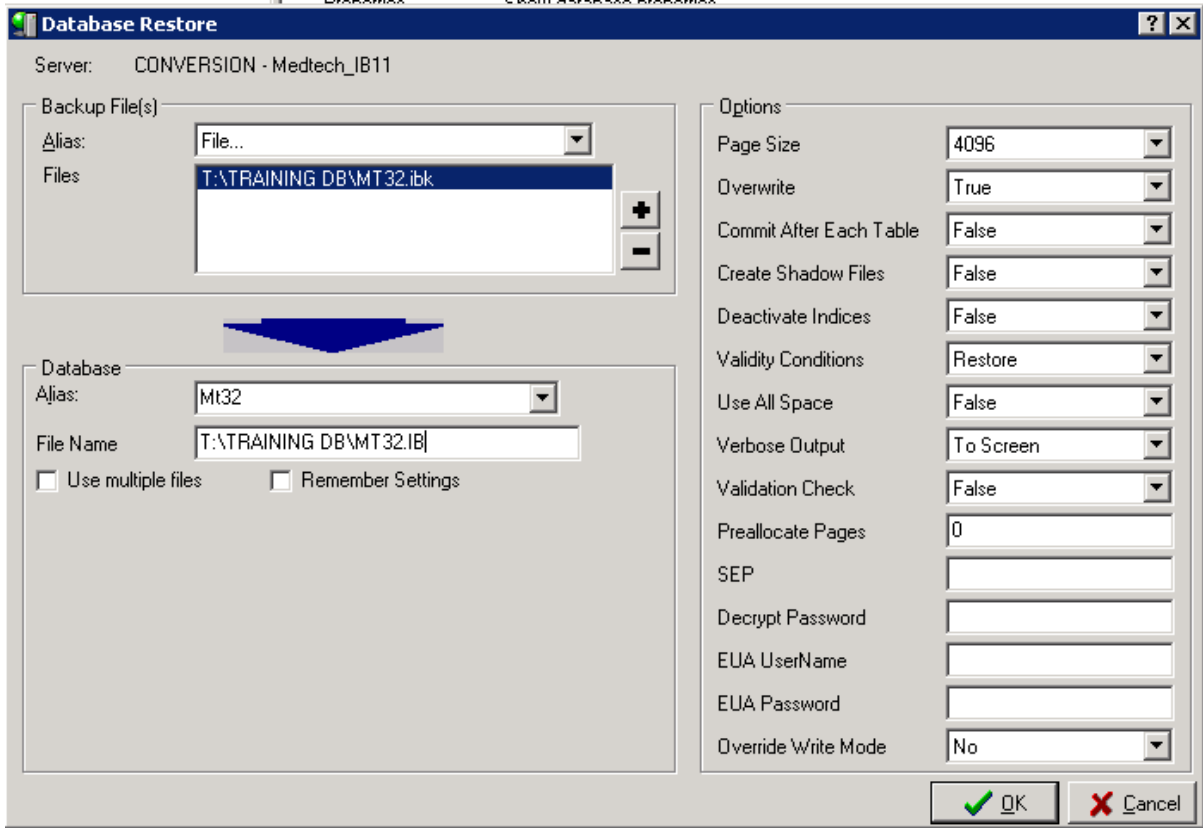
The “Database Server” should default to “Servername- MedTech_IB2011” and the “Database Alias” should default to “MT32”. The file name should default to the data directory of Medtech32 “C:\MT32\Data\Mt32.IB”



Ensure the below recommended options set for each property.

Property	Recommended Value
Page Size	4096(Keep the default)
Overwrite	True
Commit After Each Table	False
Create Shadow Files	False
Deactivate Indices	False
Validity Conditions	Restore
Use All Space	False
Verbose Output	To Screen
Validation Check	False
Preallocate Pages	0
SEP	<Blank>
Decrypt Password	<Blank>
EUA UserName	<Blank>
EUA Password	<Blank>
Override Write Mode	No

Select the “**OK**” option – you should now have the following screen displayed:

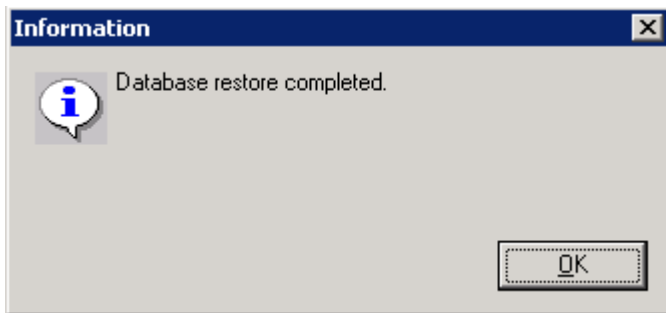


Wait for the restore to complete



This may take several hours

When the “Database Restore Completed” prompt appears click on “OK”



Medtech Support:

Please contact us if you require assistance with updating your InterBase.

Tel: +64 9 358 1123 or 0800 2MEDTECH (263 3832) - Option 1

Email: nzsupport@medtechglobal.com

Online Chat: www.medtechglobal.com

