



**Medtech32**  
**Interbase 2007 to 2009 Upgrade Instructions**  
**Technical Documentation**



These Documentations contain important information for Medtech32.  
Please ensure the Technical Documentations are circulated amongst all your  
IT staff and/or IT service providers.  
We suggest these should be filed safely for future reference.

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For further information regarding Interbase 2007 to 2009 Upgrade, please contact the Medtech Helpdesk on 1800 148 165 → Option 1, or email [ausupport@medtechglobal.com](mailto:ausupport@medtechglobal.com).

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## Pre-Installation Checklist

Interbase 2009 is a full version of Interbase which replaces all other previous Interbase installation media. Interbase 2009 is included in the Medtech32 Version 8.0.0 Installation CD. Please ensure you keep a copy of this CD as this will be required if you ever need to reinstall Interbase at your practice.

**NOTE:** Please ONLY run the Upgrade when your site is not required to be up and running in a short amount of time. It is recommended to run the Upgrade afterhours or on the weekend where you would have ADEQUATE TIME to complete the Upgrade. The amount of time required to run the Upgrade is dependent on the specification of your server and the size of ALL databases.

### **IMPORTANT NOTE**

**WARNING:** It is HIGHLY recommended to employ ONLY qualified system engineers when performing ANY Interbase server, Interbase client, and database upgrades. The consequences of ruining an Interbase or database upgrade could possibly lead to data corruptions, and as a result – data loss and systems downtime.

If in doubt, please consult with your IT technician/service provider, or contact one of the Medtech Channel Partners listed on our web site:

<http://www.medtechglobal.com/aus/medtech-online-au/support-3.html>

### **IMPORTANT NOTE FOR BRIECASING**

**ALL Briefcasing Laptops MUST ALWAYS be on the SAME INTERBASE VERSION as the Main Interbase Server. Otherwise data corruptions and thus data loss might occur during check-ins and check-outs.**

You MUST install this Upgrade separately on EACH Briefcasing Laptop by following the same instructions in the Installing Interbase 2009 Server section below.

**IMPORTANT:** Once you have SUCCESSFULLY updated the Briefcasing Laptops to the SAME Interbase version and build as the Main Interbase Server, you MUST then perform a **COMPLETE CHECK-OUT** on EACH Briefcasing Laptop.

### **IMPORTANT NOTE FOR MEDTECH32 CLIENT**

**ALL Medtech32 Client MUST ALWAYS be on the SAME INTERBASE VERSION as the Main Interbase Server. Otherwise data corruptions and thus data loss might occur while using Medtech32.**

You MUST install this Upgrade separately on EACH Medtech32 Client by following the same instructions in the Installing Interbase 2009 Client section below.

## Supported Operating Systems

Interbase 2009, in conjunction with Medtech32 Version 8.0.0 (or above), supports the following versions of Microsoft Windows.

<b>Supported 32-Bit Server Operating Systems</b>	Windows 2003 Standard Server (32-bit)
	Windows 2003 Enterprise Server (32-bit)
	Windows 2003 Small Business Server (Not Recommended – please refer to the "Server Deployment Considerations" section below.)
	Windows 2008 Standard Server (32-bit)
	Windows 2008 Enterprise Server (32-bit)
	Windows 2008 Small Business Server Premium Edition NOTE: Must run on 32-bit standalone server
	Windows 2008 Essential Business Server Premium Edition NOTE: Must run on 32-bit standalone server

<b>Supported 32-Bit Workstation Operating Systems</b>	Windows XP Professional (32-bit)
	Windows Vista Business Edition (32-bit)
	Windows Vista Ultimate Edition (32-bit)
	Windows Vista Enterprise Edition (32-bit)
	Windows 7 Professional Edition (32-bit)
	Windows 7 Ultimate Edition (32-bit)
	Windows 7 Enterprise Edition (32-bit)

**WARNING:** Although it might be possible to run Interbase 2009 on other versions of Windows, both Medtech and Embarcadero **WILL NOT** be able to provide support if a practice encounters problems while running on any operating systems not listed above.

**NOTE:** For the complete list of currently supported operating systems, please always refer to the latest Medtech32 system requirements on our web site: <http://www.medtechglobal.com/aus/medtech-online-au/mo-medtech32-au/hardware-specifications-2.html>

**NOTE:** ALL instructions listed below are ONLY intended for these supported Windows versions.

## Installation Pre-Requisites

1. Ensure you have the Medtech32 Version 8.0.0 Installation CD.
2. Ensure you have **ALREADY Received and Installed** the Interbase 2009 Activation Key(s) on the Interbase Server(s) by following the Installing Interbase 2009 License section below.

**IMPORTANT:** This MUST be completed during normal business hours.

3. Ensure the person(s) who will be performing the upgrade have **READ THROUGH** the technical documentation provided on the Medtech32 Version 8.0.0 Installation CD.

**IMPORTANT:** These documents contain valuable information that, if not read, could seriously affect the upgrade progress and/or possible down time of your network.

4. Ensure you are ALWAYS logged onto Windows with **ADMINISTRATIVE RIGHTS** when performing ANY installation, update, or maintenance tasks.
5. "User Account Control" (UAC) MUST be **DISABLED** as a policy across ALL Server and Client computers that are running on **Windows Vista or Windows 7 or Windows 2008**.
6. To avoid unnecessary problems during installation, upgrade, or maintenance, preferably you should ALWAYS log onto Windows in "Console Mode" – i.e. not through Remote Desktop Connection, Terminal Services, or Citrix.
7. Ensure ALL Briefcasing Laptops with **OUTSTANDING** Briefcased data are **CHECKED-IN** prior to running the update.
8. The amount of free hard disk space required to perform database backup and maintenance on the Interbase Server should be at least **THREE times the size of ALL databases** you will be working with.
9. Ensure you have a **COMPLETE** backup of ALL databases located in the MT32\Data directory.
10. Ensure ALL users (including remote users) have **LOGGED OUT** of Medtech32 and ALL services (e.g. ManageMyHealth SMS Communicator), scheduled utilities (e.g. Message Transfer Utility, Auto Scan from Folder), backup or maintenance tasks (e.g. Interbase Backup Scripts) that require access to the databases have been **STOPPED**.

## Step 1 – Installing Interbase 2009 License

Interbase 2009 requires interactive activation – i.e. when installing Interbase 2009 Server, a unique activation key is required for each individual Interbase Server, which cannot be generated until the Interbase 2009 Server Installer has at least been run once on the Interbase Server.

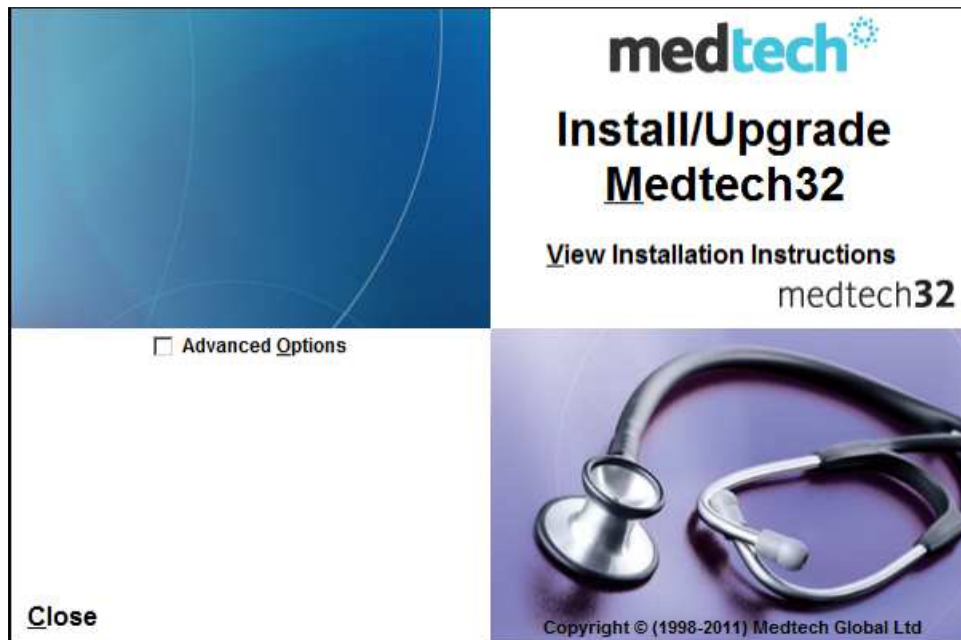
### **IMPORTANT NOTE**

**WARNING:** This process MUST be completed during normal business hours as the Medtech Accounts Department WILL NOT be available afterhours or on the weekends for generating Interbase 2009 activation keys.

Please plan well ahead Prior To the actual date of the Upgrade in order to avoid any delays and systems downtime.

**NOTE:** NO activation keys can be generated unless FULL payment for Interbase 2009 licences has been received in advance.

1. Insert the Medtech Version 8.0.0 CD into the CD/DVD/BD drive on the Medtech32 Server.
2. After a few seconds the installation program should start automatically.



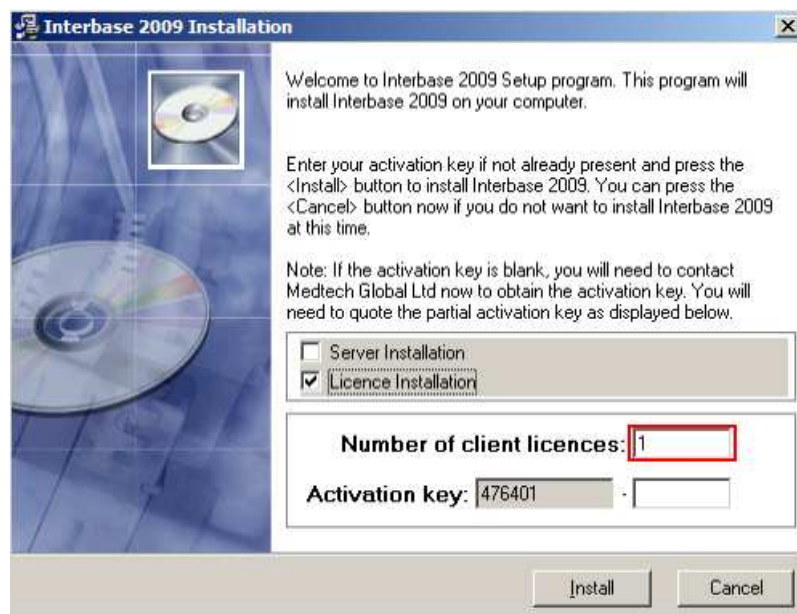
If the installation program fails to start automatically, then perform the following steps manually:

- Open **My Computer** or **Windows Explorer**
- Double-click on the CD/DVD/BD drive
- Double-click on the file **Setup.exe**

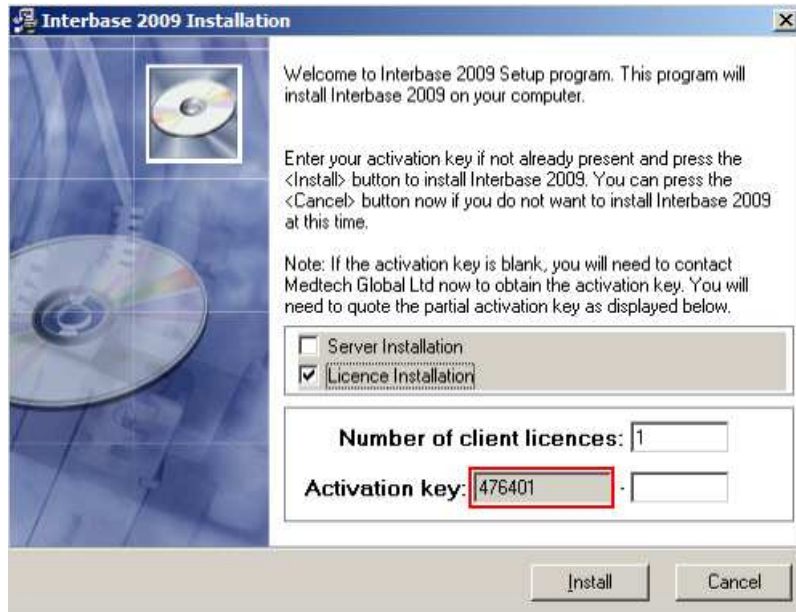
3. Tick the checkbox **Advanced Options** to display the list of additional installation options, then click on the option **Install Interbase 2009**.



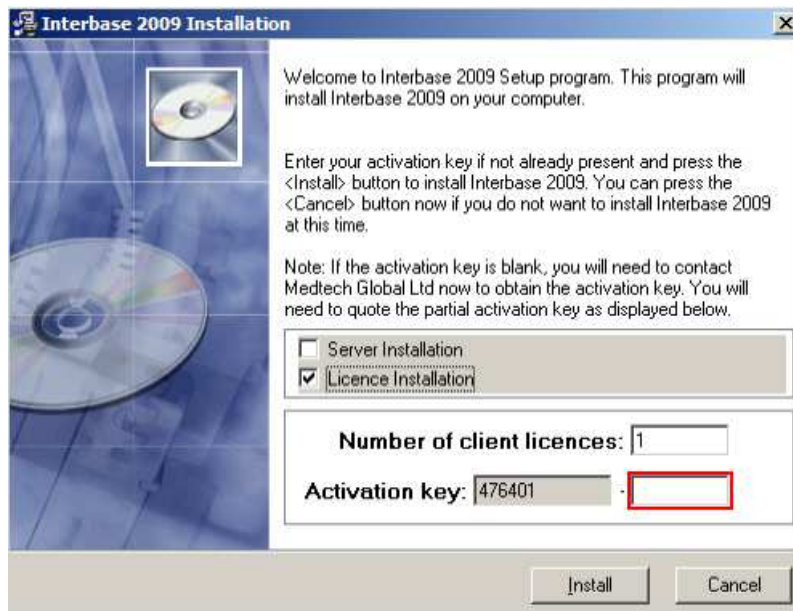
4. The following screen will appear. Enter the number of Interbase 2009 licences you have already purchased in the field **Number of client licences**.



5. A unique key will be generated automatically in the first **Activation key** field (i.e. the "grey-coloured" field on the left). Contact the Medtech Accounts Department on 1800 148 165 → Option 4 and provide this key to the operator, together with the number of licences and your customer ID.

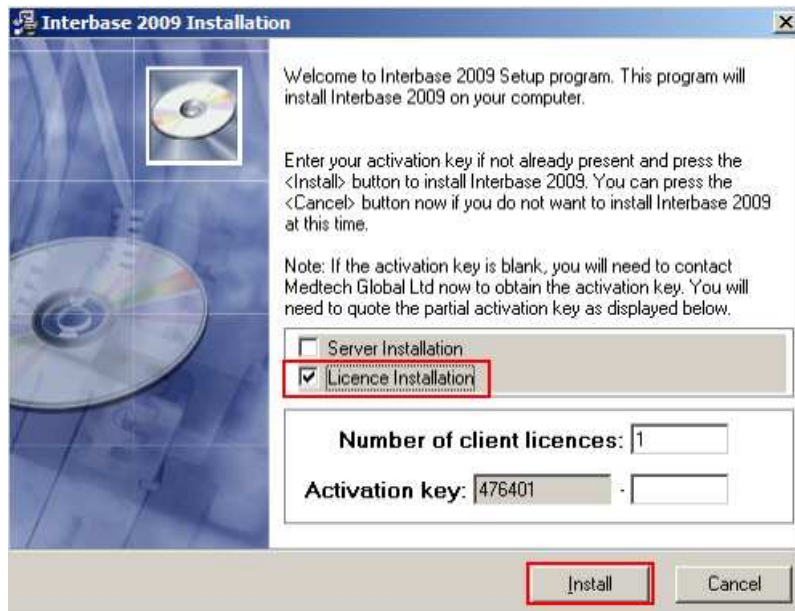


6. The operator will then generate the activation key, in which you must enter into the second **Activation key** field (i.e. the "white-coloured" field on the right).

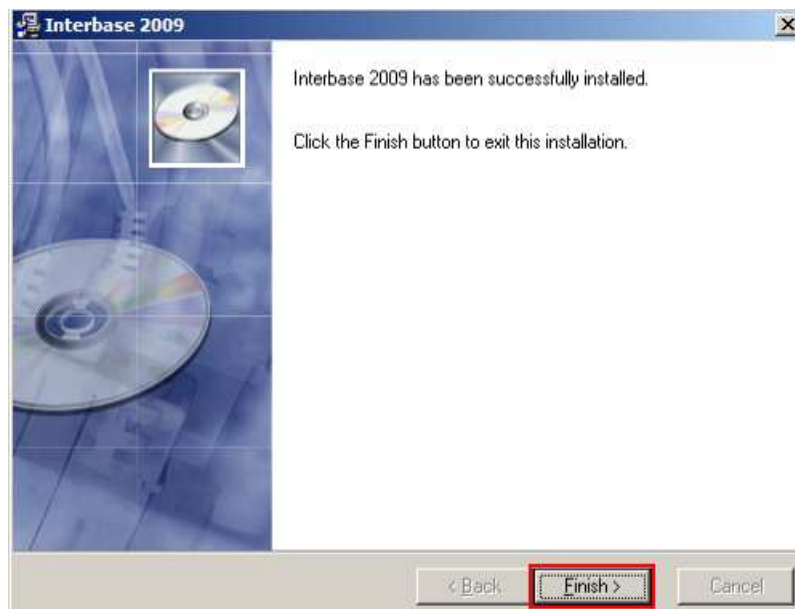


7. Ensure ONLY the checkbox **License Installation** is ticked, then click on the button **Install** to continue.

**NOTE:** DO NOT tick the checkbox **Server Installation**. You MUST NOT install Interbase 2009 Server until you have uninstalled the previous Interbase Server version.



8. Once Interbase 2009 licence has been installed, click on the button **Finish** to complete the installation.



## Step 2 – Pre-Installation Backup

Before undertaking the process of upgrading to Interbase 2009 it is vital for the site to have a complete backup of the *MT32\Data* directory and its contents.

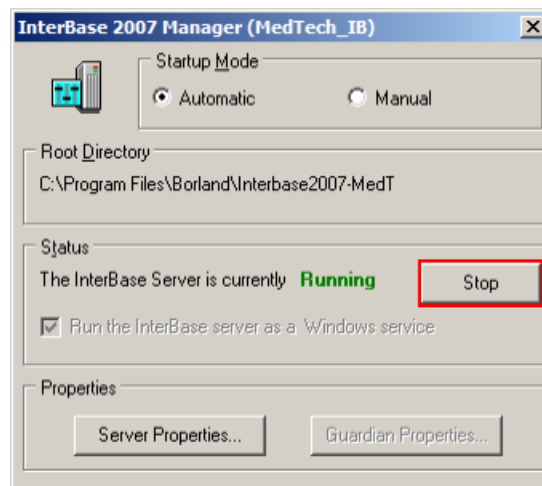
**NOTE:** These need to be stored away from the Interbase Server being upgraded, i.e. on another machine or on external media such as CD, Tape, USB devices.

**WARNING:** Interbase Server **MUST** be stopped before you can backup the databases (i.e. the *MT32\Data* directory).

### Backing Up Your Databases

1. Ensure ALL users (including remote users) have **LOGGED OUT** of Medtech32 and ALL scheduled utilities, backup or maintenance tasks that require access to the databases have been **STOPPED**.
2. On the Server, go to **Windows Start Menu ► Programs ► Borland InterBase 2007 [instance = MedTech\_IB] ► InterBase Server Manager [instance = MedTech\_IB]**, and click on the button **Stop**.

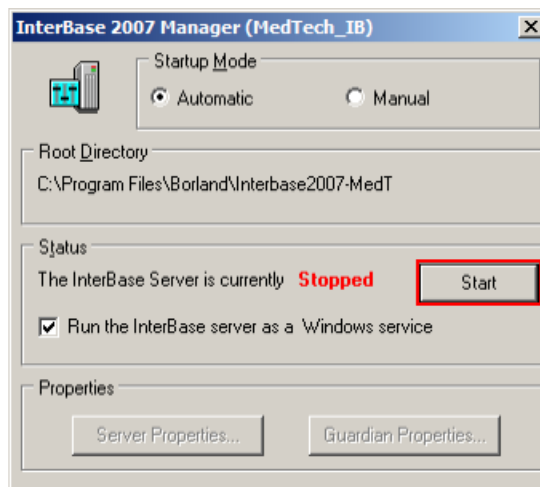
This will allow you to safely copy / backup / rename your Medtech32 databases (e.g. *MT32.IB*), without the risk of corrupting these files.



3. Browse to the **MT32\Data** directory and backup (e.g. copy and paste) ALL \*.IB database files to another network/external backup media.

**NOTE:** By default, the Medtech32 databases are located under **C:\MT32\Data**. If you are uncertain where the Medtech32 databases are located, please contact your IT technician or service provider who has performed the Medtech32 installation and/or upgrade.

4. On the Server, go to **Windows Start Menu ► Programs ► Borland InterBase 2007 [instance = MedTech\_IB] ► InterBase Server Manager [instance = MedTech\_IB]**, and click on the button **Start**.



## Step 3 – Collecting Patient Data Sample (Interbase 2007)

Before the process of upgrading to Interbase 2009 is started we strongly recommend printing out clinical and financial data for AT LEAST 3 patients in EACH of your current databases as a reference check to verify the upgrade has been successful and that there are no data integrity issues.

### Collect Clinical Records

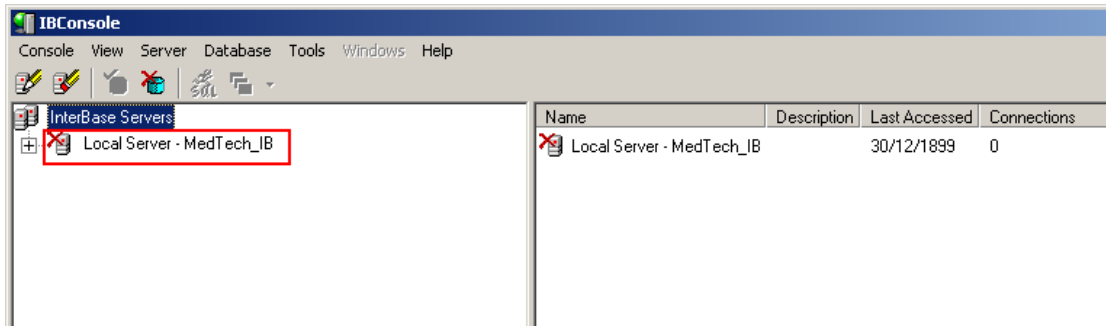
1. Log onto Medtech32 and select the correct database
2. Select a patient and bring them up onto the palette
3. Select from the Main Menu, **Report ► Patient ► Medical History**
4. Select to include the following:
  - a. Patient Demographics
  - b. Screening, Recalls and Immunisations
  - c. Medications and Classifications (Full History)
  - d. History, Medical Warnings and Daily Record
  - e. Inbox and Outbox records
5. Print this report in hard copy so that you have a paper record.
6. Repeat Steps 1-5 above for at least 2 more patients.

### Collect Financial Records

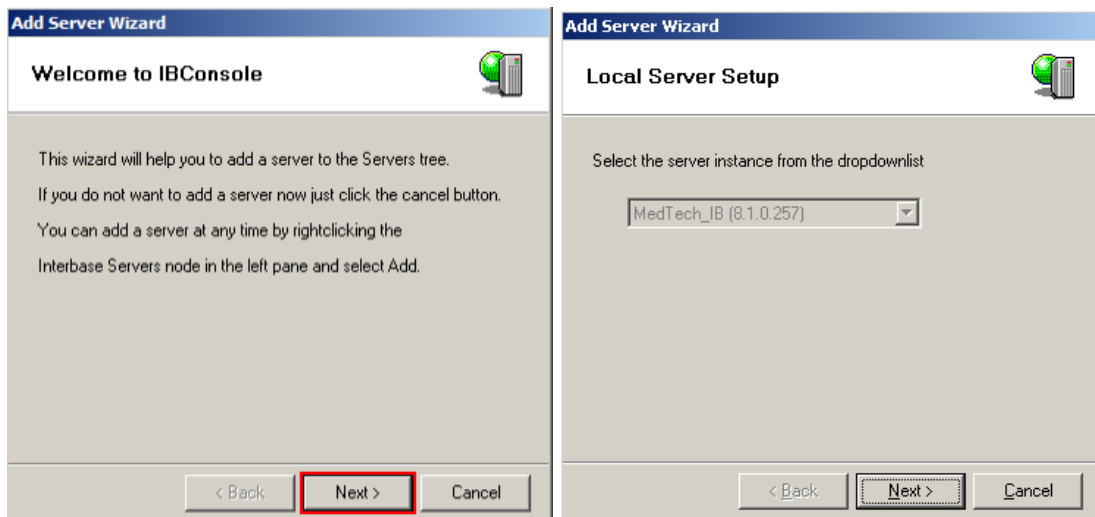
1. Log onto Medtech32 and select the correct database
2. Select a patient and bring them up onto the palette
3. Select from the Main Menu, **Module ► Accounts ► Patient Account**
4. Select the Account Tab on the Patient Account Screen
5. Right Click and choose **Print To**
6. Print this report in hard copy so that you have a paper record.
7. Repeat Steps 1-6 above for at least 2 more patients.

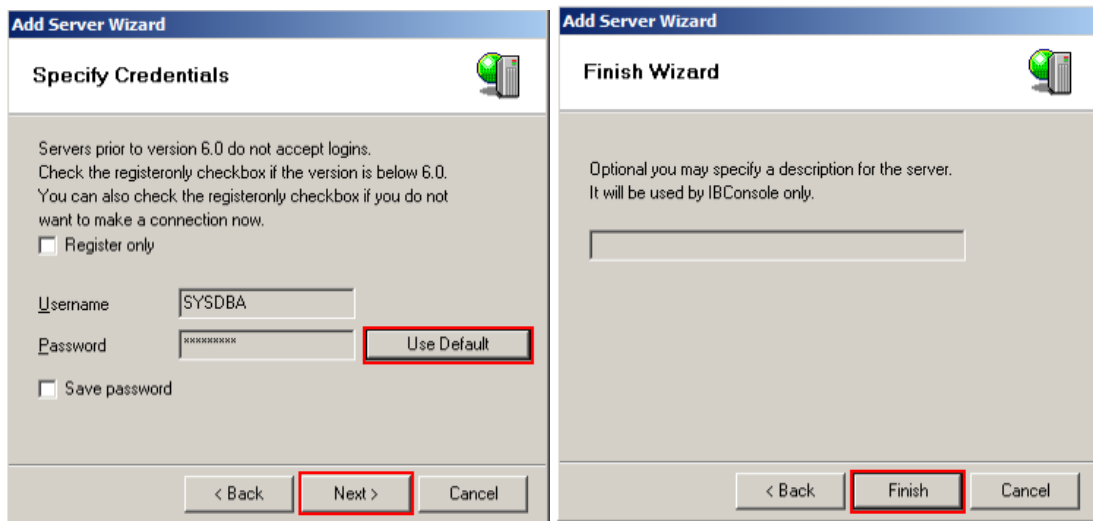
## Step 4 – Configuring Interbase 2007 Console

1. On the Server, go to **Windows Start Menu ► Programs ► Borland InterBase 2007 [instance = MedTech\_IB] ► IBConsole** (please retry if it comes up with an error).
2. You should now log in to the Local Server (this should be found under Interbase Servers). Double click on **Local Server – MedTech\_IB**.



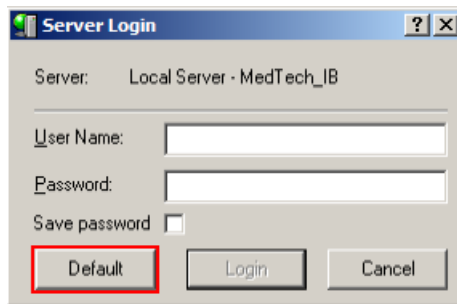
**NOTE:** If you do not see a Local Server listed, then you will need to register this by going to the Main Menu and select **Server ► Add**. Click through the first two screens using the button **Next**, then click on the button **Use Default** on the **Specify Credentials** screen before clicking on the button **Next** again, and finally click on the button **Finish** on the last screen.




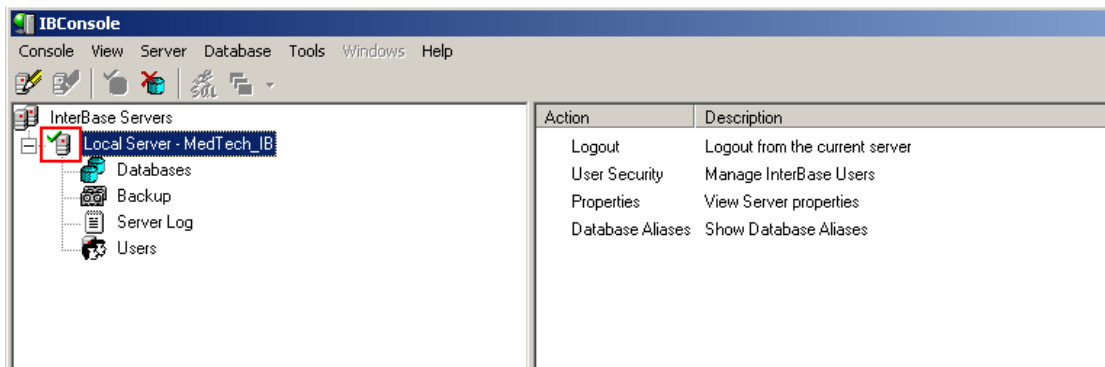


3. **Login** by clicking on the button **Default**.

**NOTE:** It is not necessary to fill in the User Name and Password.



A **Green Tick**  will appear to the left of **Local Server – MedTech\_IB**.



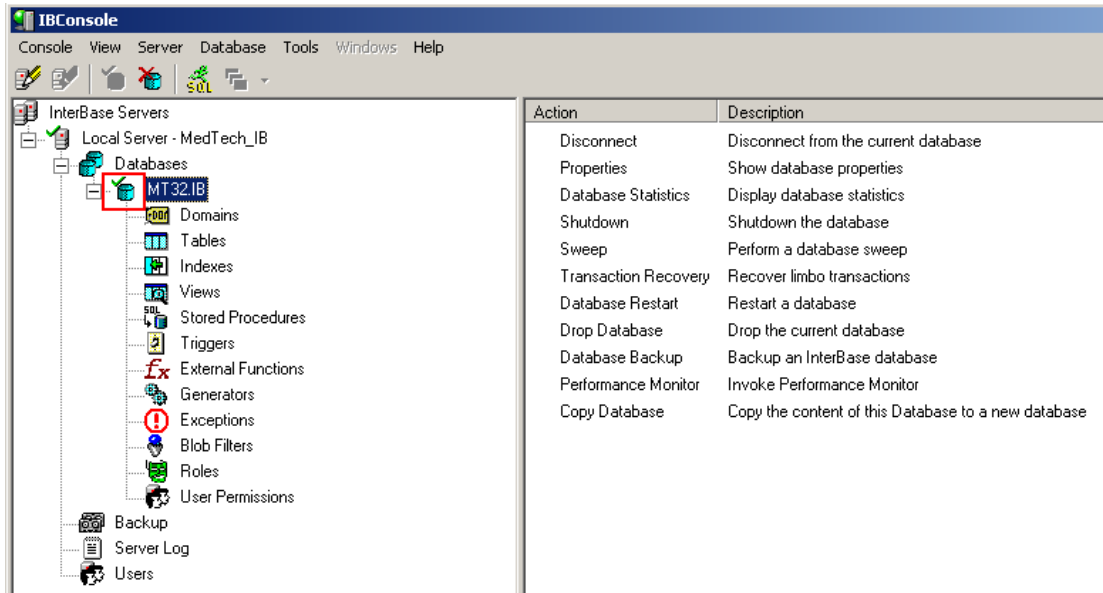
- Proceed with this step if you do not see your *MT32.IB* database listed under **Local Server – MedTech\_IB**, otherwise please jump to Step 5.

To register your *MT32.IB* database, from the Main Menu select **Database ► Add**. Browse to *MT32.IB* under the **File** section (e.g. *C:\MT32\Data\MT32.IB*), enter any "Database" **Alias Name** (e.g. *MT32.IB*), then click on the button **OK** to register the database.

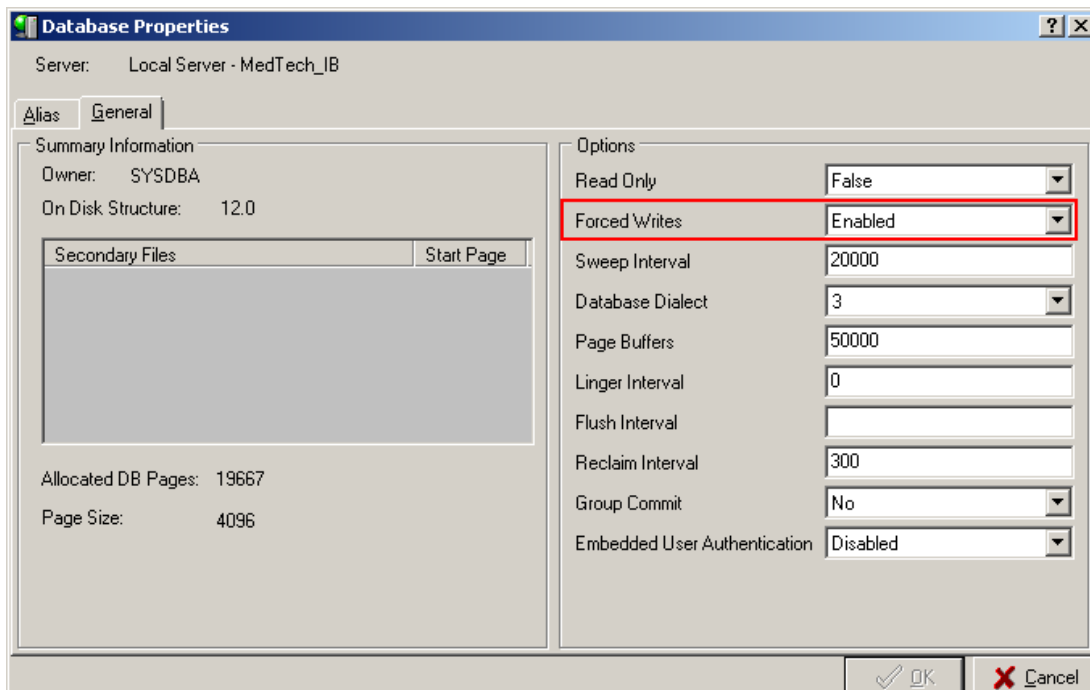
**NOTE:** By default, the Medtech32 databases are located under **C:\MT32\Data**. If you are uncertain where the Medtech32 databases are located, please contact your IT technician or service provider who has performed the Medtech32 installation and/or upgrade.

The screenshot shows a Windows-style dialog box titled "Add Database and Connect". At the top, it says "Server: Local Server - MedTech\_IB". Below this, there are two main sections. The first section, "Database", is enclosed in a red rectangular box. It contains a "File:" field with the text "C:\MT32\Data\MT32.IB" and a browse button "...". Below it is an "Alias Name:" field with the text "MT32.IB". There are two checkboxes: "Save Alias Information" (checked) and "Use Alias for DB Connect" (unchecked). The second section, "Login Information", contains a "User Name:" field with "SYSDBA", a "Password:" field with "\*\*\*\*\*" and a "Use Defaults" button, a "Role:" field, a "Case sensitive role name" checkbox (unchecked), and a "Default Character Set" dropdown menu. At the bottom, there is a "Save Password" checkbox (unchecked) and two buttons: "OK" (with a green checkmark icon) and "Cancel" (with a red X icon). The "OK" button is also highlighted with a red rectangular box.

5. Make sure you have a **Green Tick**  to the left of *MT32.IB*. If not, double click on *MT32.IB* such that the Green Tick will appear.

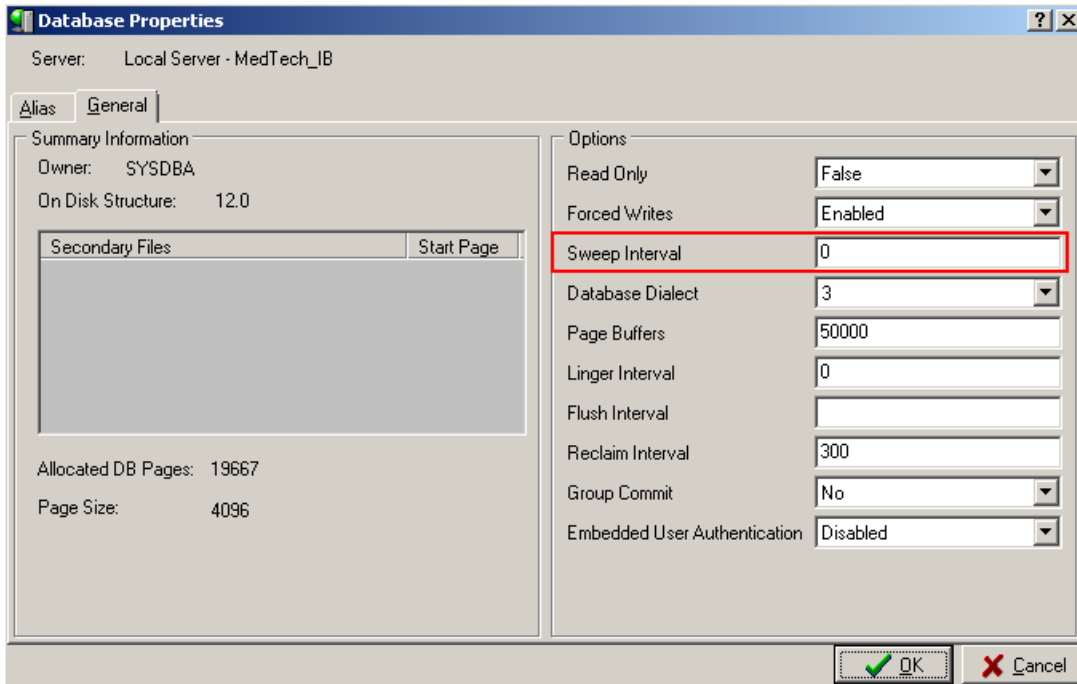


6. Right click on the *MT32.IB* and left click on **Properties**. Go to the **General** Tab and make sure the **Forced Writes** setting is set to **Enabled**. Click on the button **OK** to apply any changes.



- WARNING:** Proceed with this step IF AND ONLY IF any Briefcasing Laptops is used at your practice, otherwise please jump to Step 8.

Right click on the *MT32.IB* and left click on **Properties**. Go to the **General** Tab and make sure the **Sweep Interval** setting is set to **0**. Click on the button **OK** to apply any changes.



**IMPORTANT NOTE**

**WARNING:** If Automatic Sweeping has been disabled on the *MT32.IB* database (i.e. by setting the Sweep Interval to 0), it is **HIGHLY RECOMMENDED** to manually sweep the database at least **ONCE PER DAY** in order to avoid any potential data corruptions.



**NOTE:** Manual Sweeping should be scheduled to run either afterhours, or at the least busiest time of the day in case of a 24/7 site. It **MUST NOT** be scheduled to run during Briefcasing check-ins and check-outs.

A new sample Sweep Script ***Interbase-2009\_Online\_Database\_Sweep.txt*** can be found in the ***Interbase\Interbase 2009 Backup Scripts*** directory on the Medtech32 Version 8.0.0 CD.

**NOTE:** The new Sweep Script is designed to work in a default Medtech32 installation environment only, i.e. Medtech32 is installed in the default directory *C:\MT32*, and the databases are under the default path *C:\MT32\Data* with the default names *MT32.IB* and *BLOB.IB*. Depending on the configurations of your environment, this sample scripts might need to be edited accordingly before they will be functional, especially if you have more than one set of databases.

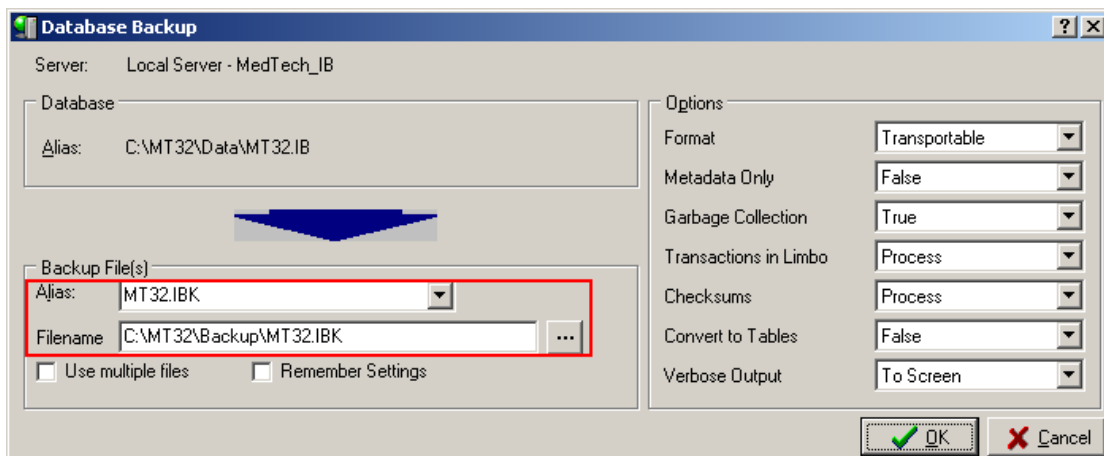
If in doubt, please consult with your IT technician/service provider, or contact one of the Medtech Channel Partners listed on our web site:

<http://www.medtechglobal.com/aus/medtech-online-au/support-3.html>

8. Right click on the *MT32.IB* and left click on **Disconnect**. The **Green Tick**  to the left of *MT32.IB* will change into a **Red Cross** .
9. **Repeat** Steps 4-8 above for the *BLOB.IB*, **PLUS** ALL other databases you would like to upgrade to Interbase 2009. This includes the *Training.IB* and *TrainBLOB.IB* databases if you would like to keep them for training/testing purposes.

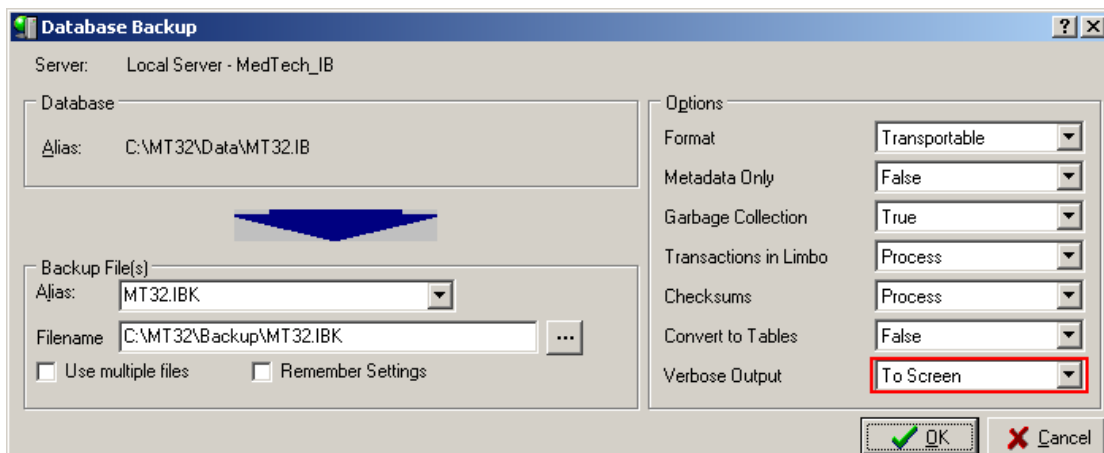
## Step 5 – Backing Up Interbase 2007 Databases

1. To Backup your database, right click on the *MT32.IB* and select **Backup/Restore ► Backup**.
2. Under the **Backup File(s)** section, enter any "Backup" **Alias** (e.g. *MT32.IBK*), and specify the "Backup" **Filename** including the full path (e.g. *C:\MT32\Backup\MT32.IBK*).



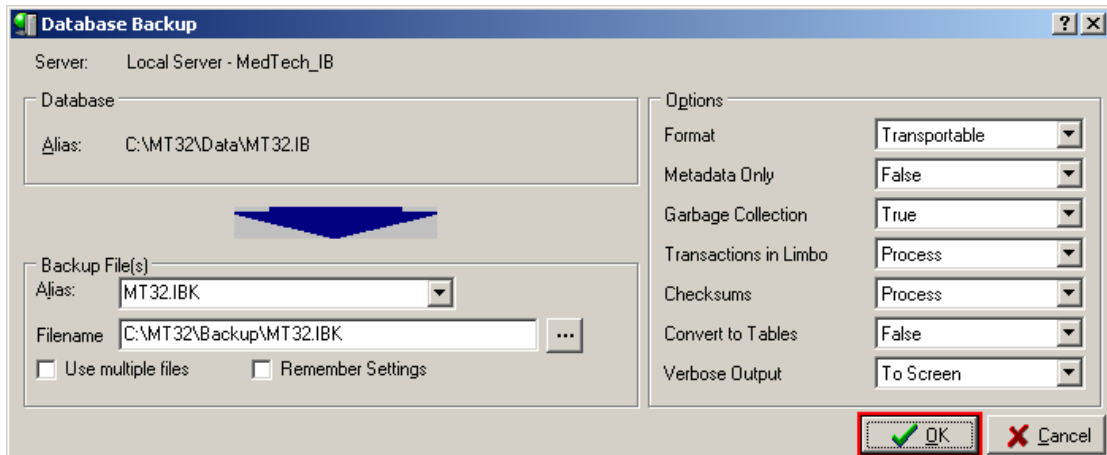
**NOTE:** By default, the Medtech32 database backups are located under **C:\MT32\Backup**. If you are uncertain where the Medtech32 database backups are located, please contact your IT technician or service provider who has performed the Medtech32 installation and/or upgrade.

3. Under the **Options** section, set **Verbose Output** to To Screen.



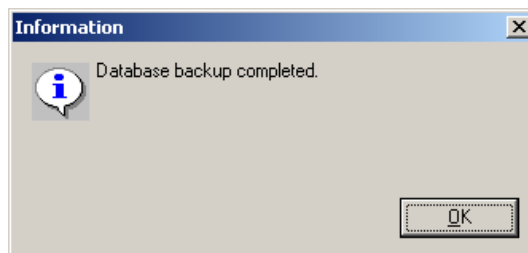
**WARNING:** DO NOT change any other default Options unless otherwise advised by Medtech.

- Click on the button **OK** to start the Backup.



**NOTE:** The time it will take to Backup the database will be dependent on the specification of your Server, as well as the size of your database.

- When Backup is completed, the following screen will be displayed. Click on the button **OK** to close the window, then click on the icon to close the Database Backup window.



- Repeat** Steps 1-5 above for the *BLOB.IB*, **PLUS** ALL other databases you would like to upgrade to Interbase 2009. This includes the *Training.IB* and *TrainBLOB.IB* databases if you would like to keep them for training/testing purposes.

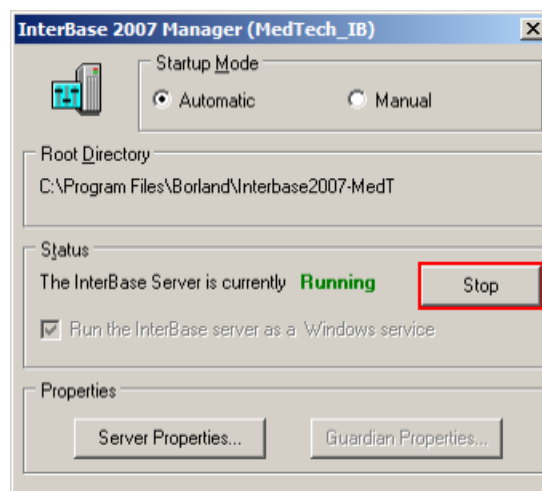
## Step 6 – Uninstalling Interbase 2007 Server

**NOTE:** It is very important to remove Interbase 2007 Server prior to the installation of Interbase 2009 Server.

**IMPORTANT:** Interbase Server **MUST** be stopped prior to uninstalling Interbase.

### Stopping Interbase 2007 Server

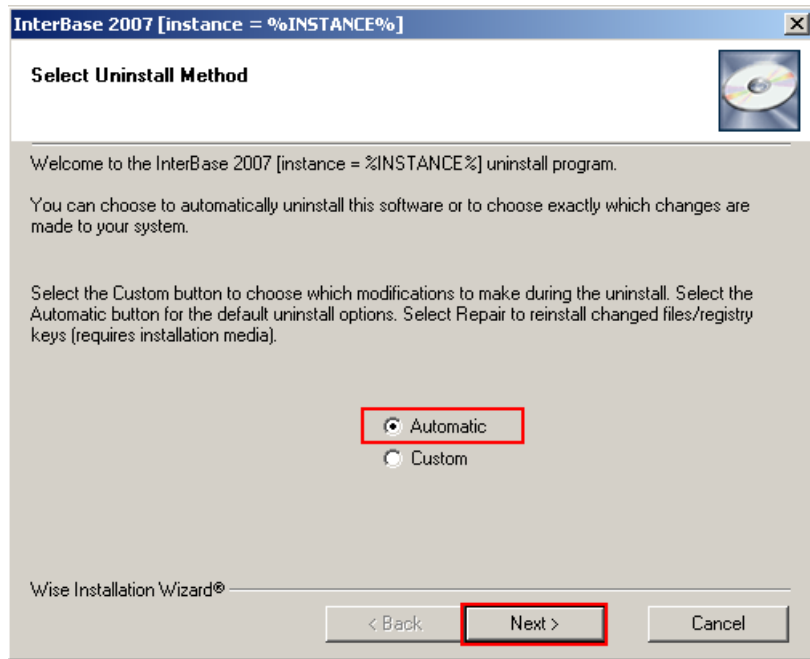
1. On the Server, go to **Windows Start Menu ► Programs ► Borland InterBase 2007 [instance = MedTech\_IB] ► InterBase Server Manager [instance = MedTech\_IB]**, click on the button **Stop**.



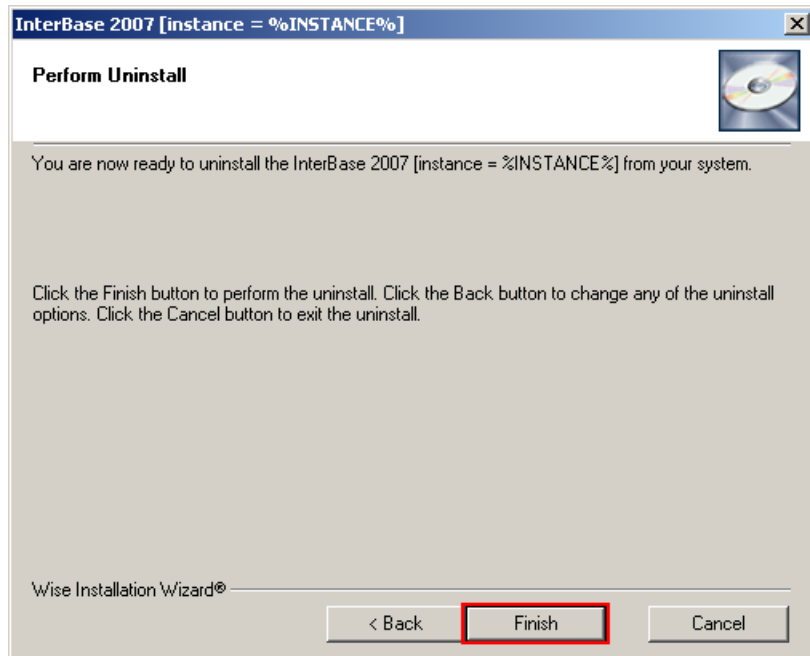
### Uninstalling Interbase 2007 Server

1. On the Server, go to **Windows Start Menu ► Control Panel ► Add or Remove Programs**, or **Windows Start Menu ► Control Panel ► Programs and Features**.
2. Look for **InterBase 2007 [instance = MedTech\_IB]** on the list, then click on its **Change/Remove** button, or the **Uninstall/Change** button.

- The following screen will be displayed. Make sure the **Automatic** uninstall option is selected, then click on the button **Next**.



- The following screen will be displayed. Click on the button **Finish** to start the uninstallation.



- IMPORTANT:** You **MUST** reboot the Server after uninstalling Interbase 2007 Server.

6. Once the Server has been rebooted successfully, you **MUST** ensure the following directories and files have been uninstalled successfully:
- C:\Program Files\Borland\Interbase\\*.\*
  - C:\Program Files\Borland\Interbase2007-MedTech\\*.\*
  - C:\Windows\System32\gds32.dll
  - C:\Windows\System32\ibmgr.\*
  - C:\Windows\System32\ibxml.dll
  - C:\Windows\System32\libborland\_lm.dll

**IMPORTANT:** If any of these directories or files still exists, you **MUST DELETE ALL** of them manually before continuing.

## Step 7 – Installing Interbase 2009 Server

Now that you have a known good Interbase Backup of your databases and you have uninstalled the previous Interbase Server version, you can proceed to install Interbase 2009 Server.

### Installing Interbase 2009 Server

1. Insert the Medtech Version 8.0.0 CD into the CD/DVD/BD drive on the Medtech32 Server.
2. After a few seconds the installation program should start automatically.



If the installation program fails to start automatically, then perform the following steps manually:

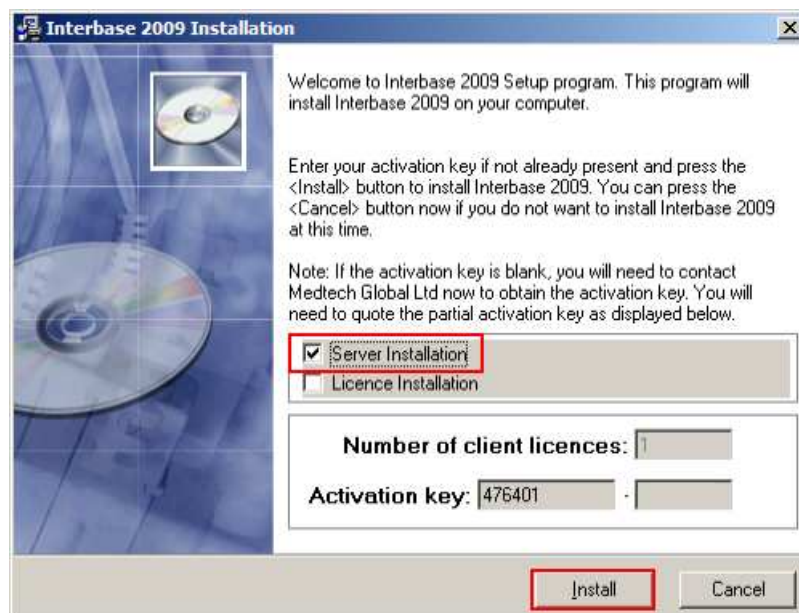
- Open **My Computer** or **Windows Explorer**
- Double-click on the CD/DVD/BD drive
- Double-click on the file **Setup.exe**

3. Tick the checkbox **Advanced Options** to display the list of additional installation options, then click on the option **Install Interbase 2009**.

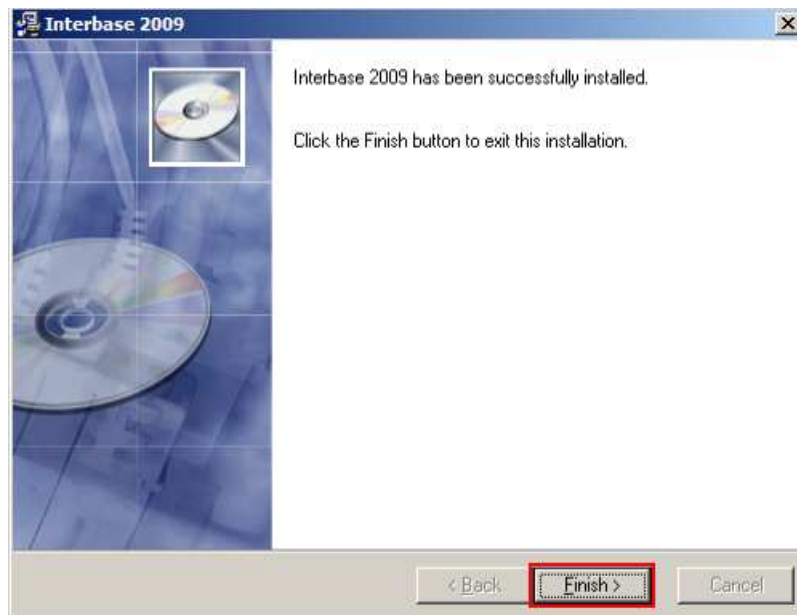


4. The following screen will appear. Ensure ONLY the checkbox **Server Installation** is ticked, then click on the button **Install** to continue.

**NOTE:** DO NOT tick the checkbox **License Installation**.



- Once Interbase 2009 Server has been installed, click on the button **Finish** to complete the installation.



## Configuring Interbase 2009 Server

### IMPORTANT NOTE

**WARNING:** The following Interbase configurations **MUST** be applied on ALL Interbase Servers that meet the following criteria in order to avoid any potential data corruptions.

- Server with 1 physical processor, i.e. 1 single-core CPU.

**NOTE:** Hyper-Threading does not count as a physical processor.

If in doubt, please consult with your IT technician/service provider, or contact one of the Medtech Channel Partners listed on our web site:

<http://www.medtechglobal.com/aus/medtech-online-au/support-3.html>

- Browse to the directory **C:\Program Files\Borland\Interbase2009-MedTech**.
- Open the file **ibconfig** in Notepad.
- Change the following Interbase parameter.

From:

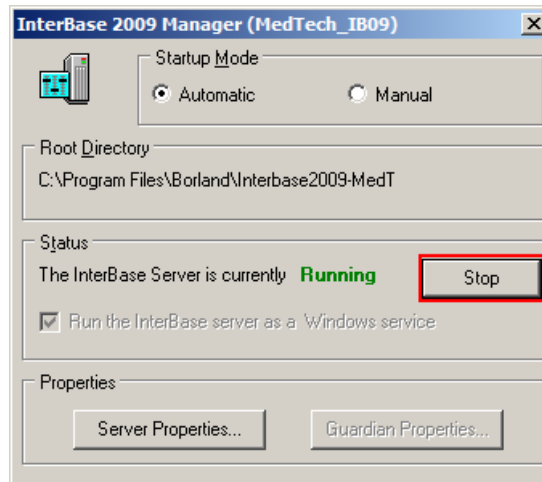
<b>#MAX_THREADS</b>	<b>1000000</b>
---------------------	----------------

To:

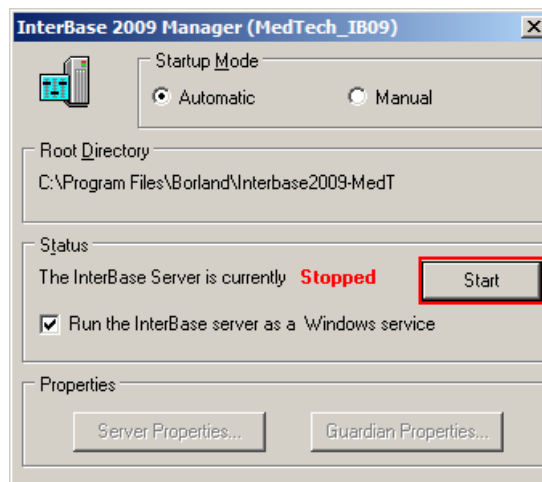
<b>MAX_THREADS</b>	<b>1</b>
--------------------	----------

**NOTE:** You **MUST** remove the leading **#** to enable the parameter.

4. Save the file, then close Notepad.
5. Go to **Windows Start Menu ► Programs ► CodeGear InterBase 2009 [instance = MedTech\_IB09] ► InterBase Server Manager [instance = MedTech\_IB09]**, and click on the button **Stop**.



6. Once the Interbase Server has been stopped successfully, click on the button **Start**.



## Step 8 - Restoring Databases To Interbase 2009

### Interbase 2009 Database Size Limits

Although the Interbase 2009 engine can support 64-bit files operations, it is important to remember that not all file systems support large files.

Interbase Version	File System	Size Limit
<b>Interbase 2009 Database File Size Limit</b>	FAT16	4GB
	FAT32	4GB
	NTFS	16TB

**NOTE:** If any Interbase database is over the size limit listed in the table above, the database would corrupt itself by writing over the initial database pages. It is important to make sure a database is split into multiple files (each file must not exceed the size limit) before reaching the above limit in order to avoid corruptions.

**IMPORTANT:** If any of your databases have reached the above size limit under the corresponding file system, please contact the Medtech Helpdesk prior to restoring the databases.

**IMRPOPANT:** It is HIGHLY RECOMMENDED to use **NTFS** as the ONLY file system for ALL hard drive partitions on ALL computers across your network.

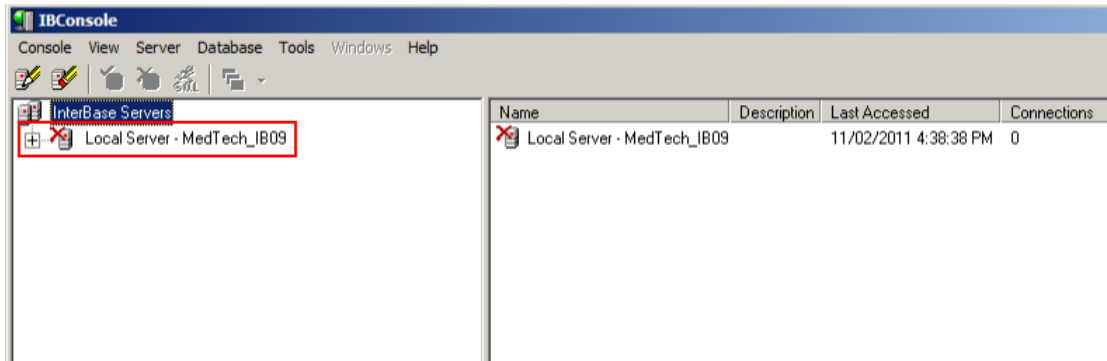
### Interbase 2009 File Extensions

The following table shows the official file extensions for Interbase 2009 databases and backups. The file extension requirements for databases are compulsory, and should be followed strictly.

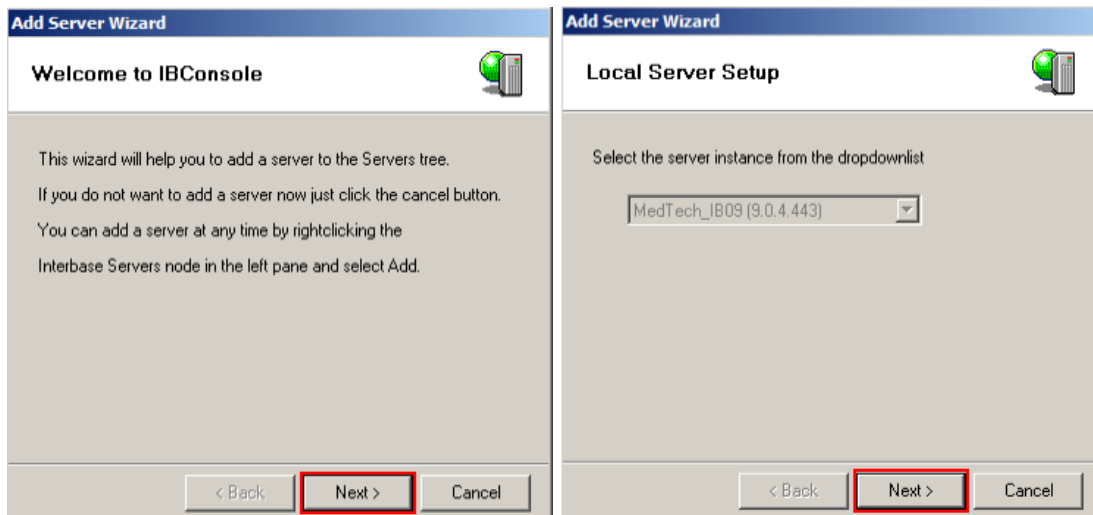
File Type	File Extension
<b>Database</b>	<i>.IB</i>
<b>Backup</b>	<i>.IBK</i>

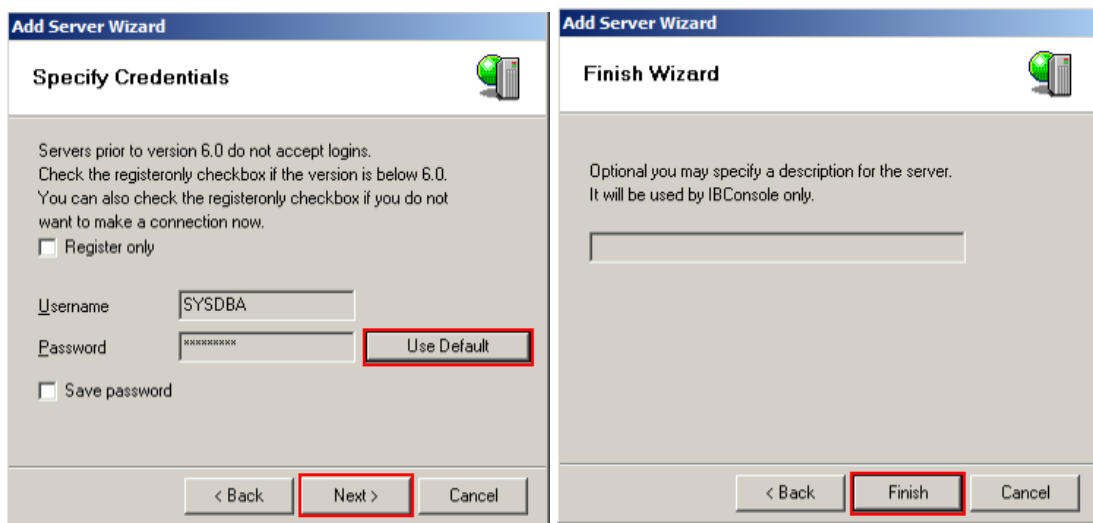
## Restoring Databases To Interbase 2009

1. On the Server, Go to **Windows Start Menu ► Programs ► CodeGear InterBase 2009 [instance = MedTech\_IB09] ► IBConsole** (please retry if it comes up with an error).
2. You should now log in to the Local Server (this should be found under Interbase Servers). Double click on **Local Server – MedTech\_IB09**.



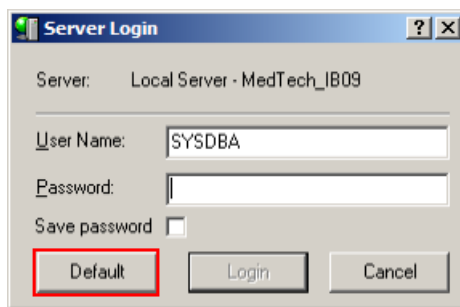
**NOTE:** If you do not see a Local Server listed, then you will need to register this by going to the Main Menu and select **Server ► Add**. Click through the first two screens using the button **Next**, then click on the button **Use Default** on the **Specify Credentials** screen before clicking on the button **Next** again, and finally click on the button **Finish** on the last screen.




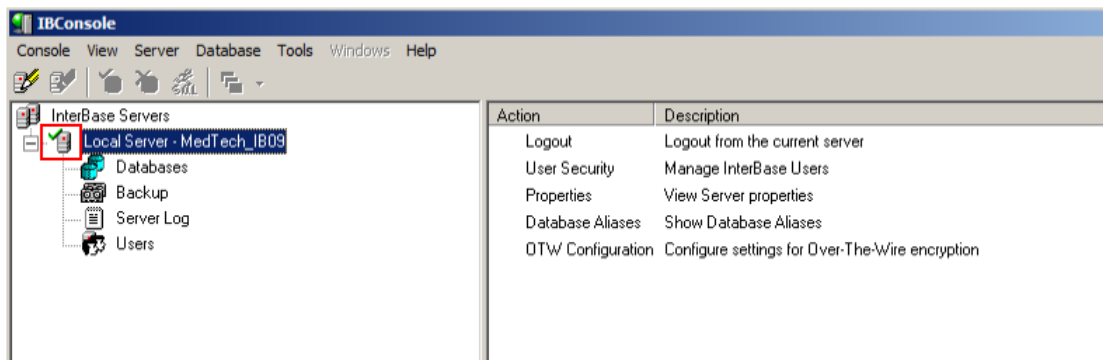


3. **Login** by clicking on the button **Default**.


**NOTE:** It is not necessary to fill in the User Name and Password.

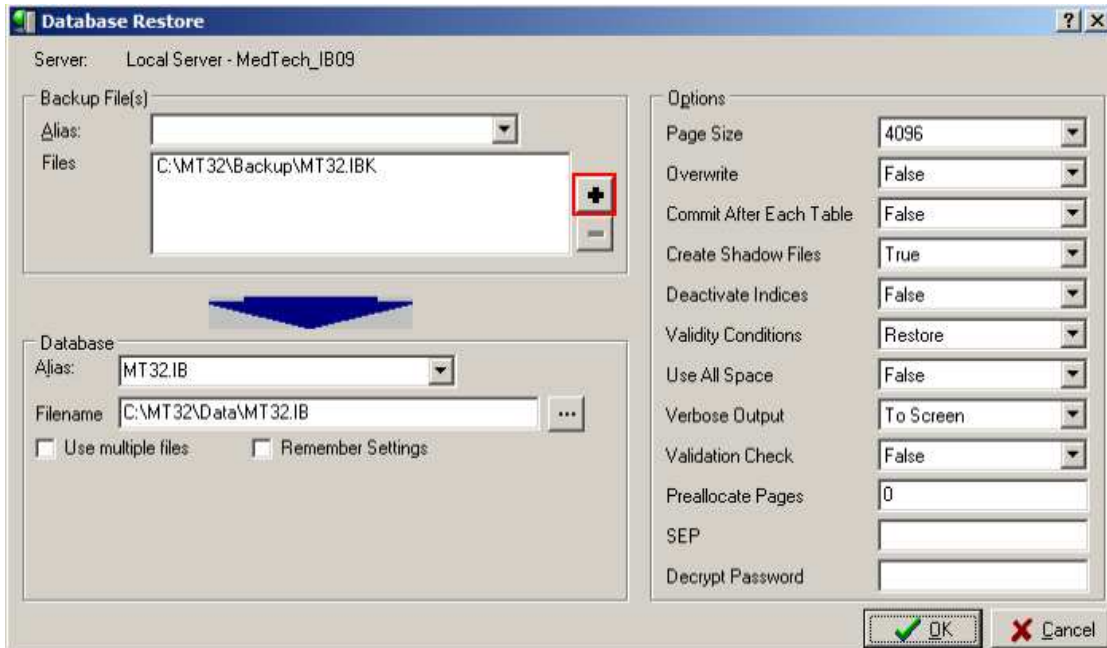


A **Green Tick**  will appear to the left of **Local Server – MedTech\_IB09**.

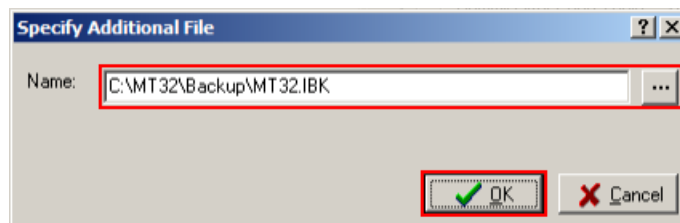


4. To Restore your database go to the Main Menu and select **Database ► Maintenance ► Backup/Restore ► Restore**.

5. Under the **Backup File(s)** section, click on the icon .

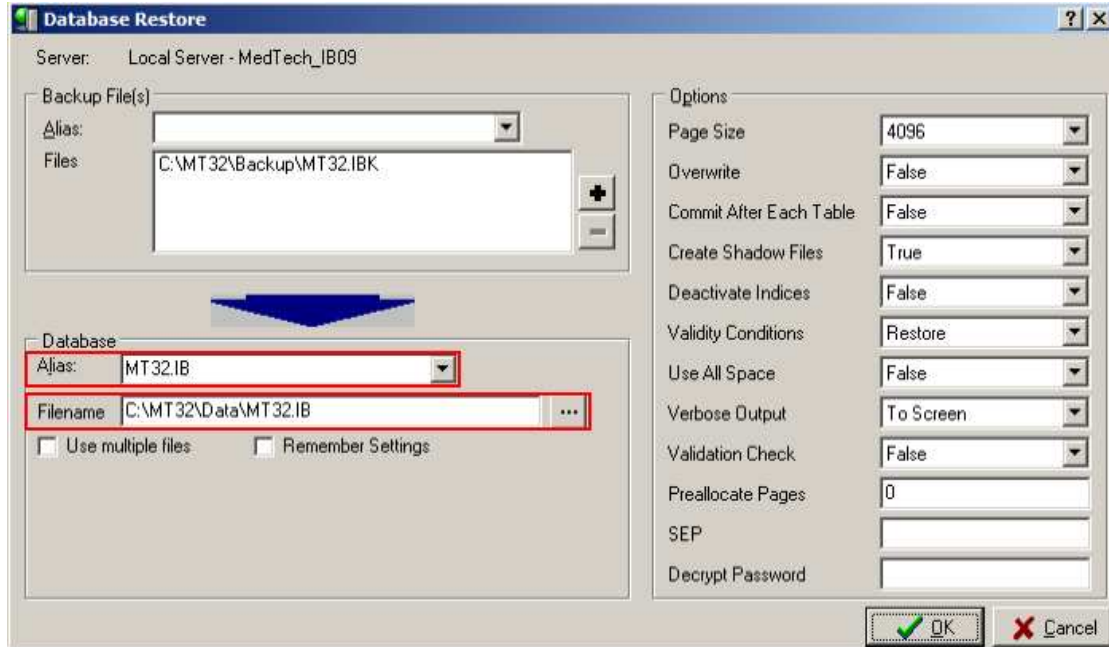


The **Specify Additional File** screen will be displayed. Enter or browse to the *MT32.IBK* backup (e.g. *C:\MT32\Backup\MT32.IBK*).



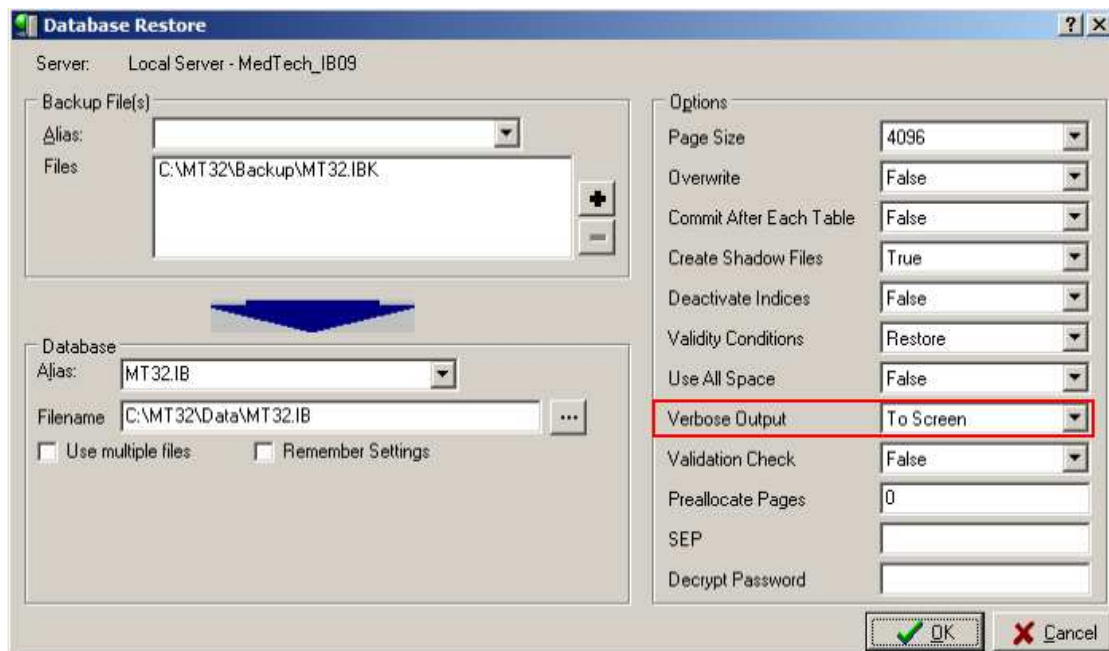
**NOTE:** By default, the Medtech32 database backups are located under **C:\MT32\Backup**. If you are uncertain where the Medtech32 database backups are located, please contact your IT technician or service provider who has performed the Medtech32 installation and/or upgrade.

- Under the **Database** section, enter any "Database" **Alias** (e.g. MT32.IB), and specify the "Database" **Filename** including the full path (e.g. C:\MT32\Data\MT32.IB).



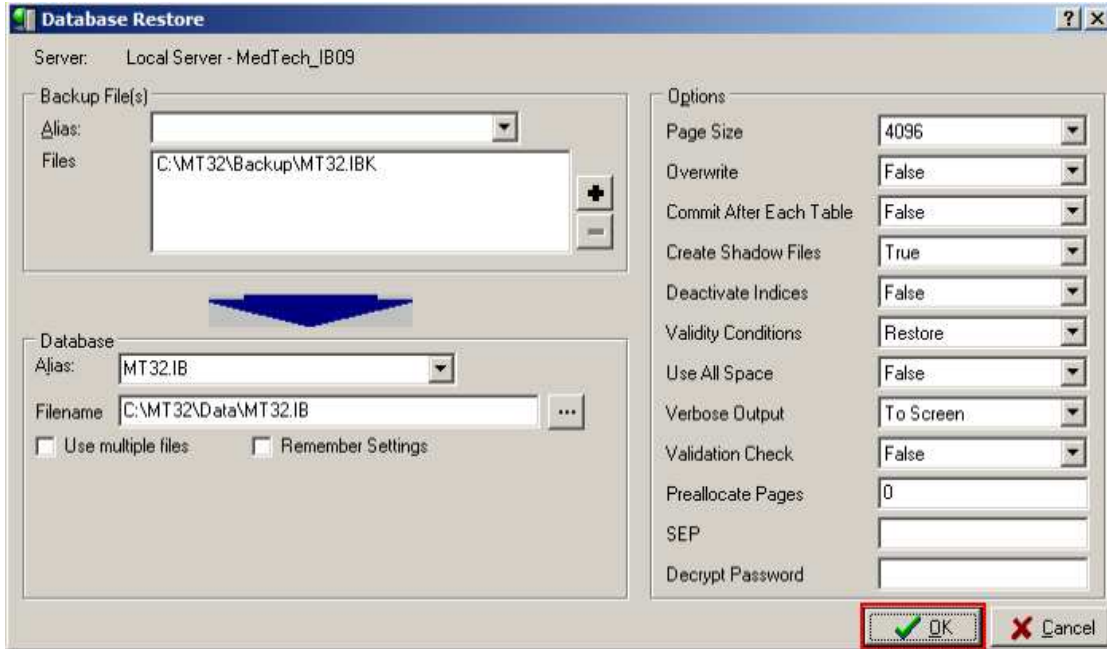
**NOTE:** By default, the Medtech32 databases are located under **C:\MT32\Data**. If you are uncertain where the Medtech32 databases are located, please contact your IT technician or service provider who has performed the Medtech32 installation and/or upgrade.

- Under the **Options** section, set **Verbose Output** to To Screen.



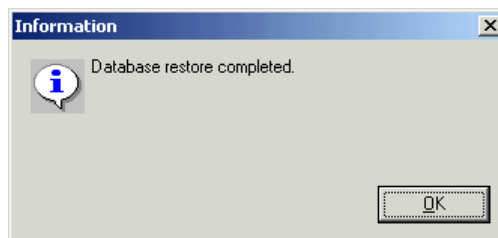
**WARNING:** DO NOT change any other default Options unless otherwise advised by Medtech.

- Click on the button **OK** to start the Restore.



**NOTE:** The time it will take to Restore the database will be dependent on the specification of your Server, as well as the size of your database. The amount of time needed to complete an Interbase Restore is usually longer than the Backup – which is normal behaviour.

- When Restore is completed, the following screen will be displayed. Click on the button **OK** to close the window, then click on the icon to close the Database Restore window.



- Repeat** Steps 4-9 above for the *BLOB.IBK*, **PLUS** ALL other database backups you would like to upgrade to Interbase 2009. This includes the *Training.IBK* and *TrainBLOB.IBK* database backups if you would like to keep them for training/testing purposes.

## Step 9 – Modifying MT32.ini

Now that the databases are in Interbase 2009 format, you **MUST** manually modify the MT32.ini configuration file to reflect the changes in the Interbase 2009 Server instance name.

**WARNING:** Extreme care **MUST** be taken when modifying the MT32.ini file – otherwise, users might not be able to log onto Medtech32.

1. Browse to the directory **C:\MT32\Bin**.

**NOTE:** if Medtech32 has been installed in a different directory than the default C:\MT32, then browse to the appropriate directory instead.

2. Open the file **MT32.ini** in Notepad.
3. Under EACH **[IBx]** section, change the Interbase Server instance name from **/MedTech\_IB** to **/MedTech\_IB09** after the Server hostname.

For Example – Before Upgrade (Interbase 2007):

```
[IB0]
NAME=Main Database
DATABASE=SERVER/MedTech_IB:C:\MT32\DATA\MT32.IB
BLOB DATABASE=SERVER/MedTech_IB:C:\MT32\DATA\BLOB.IB
LOCATION=M

[IB1]
NAME=Evaluation Database
DATABASE=SERVER/MedTech_IB:C:\MT32\DATA\TRAINING.IB
BLOB ATABASE=SERVER/MedTech_IB:C:\MT32\DATA\TRAINBLOB.IB
LOCATION=M
```

For Example – After Upgrade (Interbase 2009):

```
[IB0]
NAME=Main Database
DATABASE=SERVER/MedTech_IB09:C:\MT32\DATA\MT32.IB
BLOB DATABASE=SERVER/MedTech_IB09:C:\MT32\DATA\BLOB.IB
LOCATION=M

[IB1]
NAME=Evaluation Database
DATABASE=SERVER/MedTech_IB09:C:\MT32\DATA\TRAINING.IB
BLOB DATABASE=SERVER/MedTech_IB09:C:\MT32\DATA\TRAINBLOB.IB
LOCATION=M
```

4. Save the file, then close Notepad.

## Step 10 – Validate Upgraded Data Integrity (Interbase 2009)

**NOTE:** It is now important to validate that the Interbase 2009 upgrade has been successful.

1. Log into EACH Medtech32 database and open 1 of the 3 patients you have chosen in Step 3.
2. Run the Patient Medical History Report, and print out the Patient Account screen, to check if ALL the correct fields are present and ALL the data are intact.
3. Repeat this process for the other two patients selected in Step 3.
4. If the data seems garbled or inconsistent, please contact the Medtech Helpdesk for assistance.

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## Step 11 – Backup Scripts Update

**NOTE:** If your practice uses any of the sample Backup Scripts that were shipped with earlier versions of Medtech32, or that your practice has deployed any customized Backup scripts that uses any Interbase utilities, it is important to ensure ALL such Interbase utilities, if they are located outside the standard *Interbase2007-MedTech\Bin* directory, be updated with the correct Interbase 2009 version of the utilities, such that the Backup Scripts can be run without any issues on Interbase 2009. The Interbase utilities can be found in the default directory **C:\Program Files\Borland\Interbase2009-MedTech\Bin**.

**NOTE:** It is important to ensure ALL database and backup file extensions, and ALL Server instance names within ALL of your Backup Scripts now conform to the Interbase 2009 standard as described in Step 8 and 9 above.

### New Interbase 2009 Backup Scripts (Sample)

6 new sample Backup Scripts have been included in the Medtech32 Version 8.0.0 CD. These new scripts replace the old sample scripts that were shipped with earlier versions of Medtech32, and are intended for Interbase 2009 only.

The new sample Backup Scripts can be found in the **Interbase\Interbase 2009 Backup Scripts** directory on the Medtech32 Version 8.0.0 CD.

**NOTE:** As with the old sample scripts, the 6 new Backup Scripts are designed to work in a default Medtech32 installation environment only, i.e. Medtech32 is installed in the default directory C:\MT32, the databases are under the default path C:\MT32\Data with the default names *MT32.IB* and *BLOB.IB*, and the backup scripts are located under C:\MT32\Backup. Depending on the configurations of your environment, these sample scripts (both old and new) might need to be edited accordingly before they will be functional, especially if you have more than one set of databases.

**HINT:** For sites that operates 24/7 (or any practices who would like to backup their databases during business hours), you can use either the sample script **Interbase-2009\_Full\_Online\_Backup(Sample).txt** or **Interbase-2009\_Incremental\_Online\_Backup(Sample).txt** as an example – which allows your databases to be backup ONLINE – i.e. while users are still logged into Medtech32. Whereas the other 4 sample scripts are OFFLINE only – i.e. all users must have logged out of Medtech32.

If in doubt, please consult with your IT technician/service provider, or contact one of the Medtech Channel Partners and/or Certified Engineers listed on our web site:

<http://www.medtechglobal.com/aus/medtech-online-au/support-3.html>

## Step 12 – Installing Interbase 2009 Client

### Interbase Client Requirements (Standard Network)

In a standard network environment, Interbase 2009 Client needs to be upgraded on EVERY workstation that will be communicating with the Interbase Server – i.e. on EVERY Medtech32 Client computer.

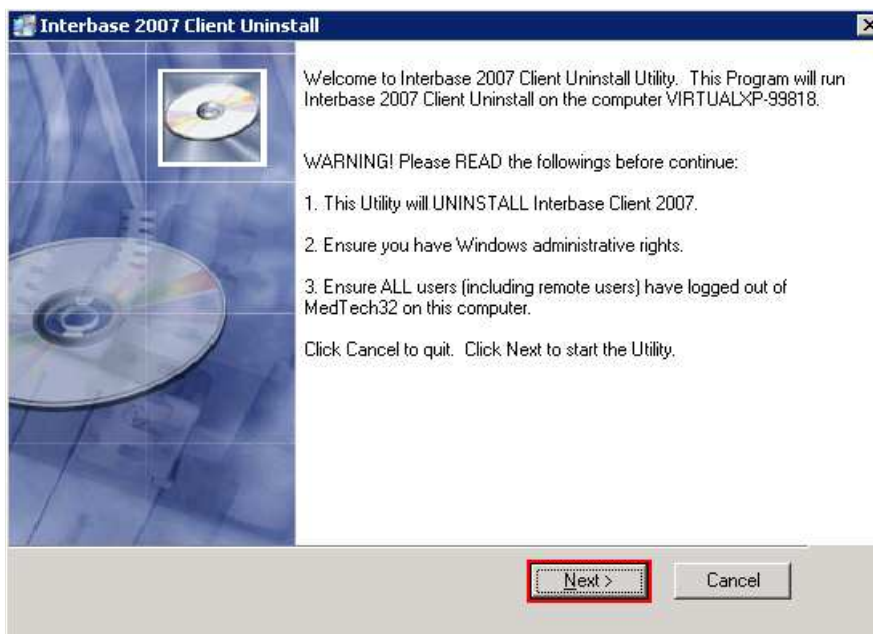
### Interbase Client Requirements (Citrix/Terminal Services)

In a Citrix/Terminal Services Environment, Interbase 2009 Client needs to be installed on EVERY Citrix/Terminal server.

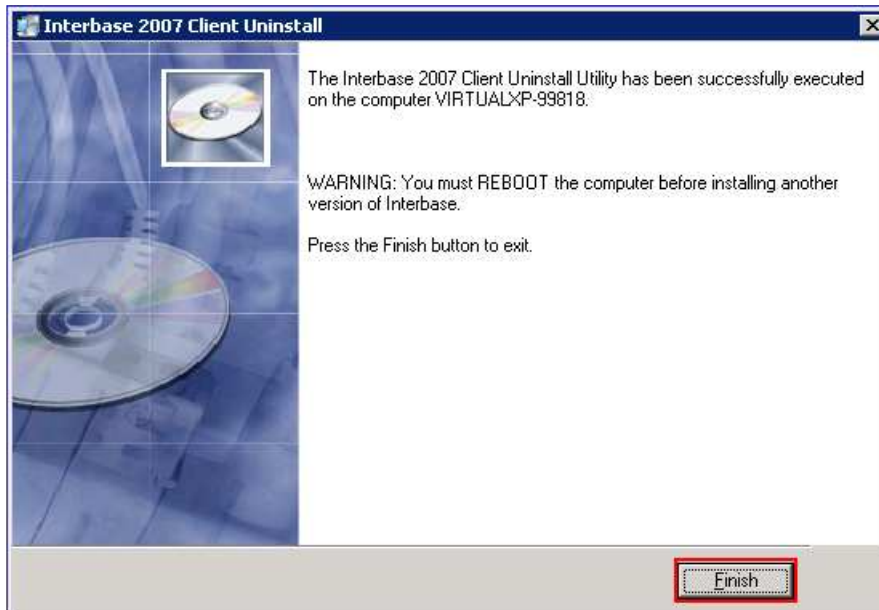
### Uninstalling Interbase 2007 Client

**NOTE:** It is very important to remove Interbase 2007 Client prior to the installation of Interbase 2009 Client.

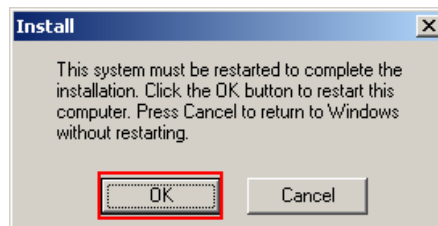
1. Double click on the **Interbase-2007\_Client\_Uninstall.exe** file – this file is located in the **Interbase\Interbase 2007 Uninstall** directory on the Medtech32 Version 8.0.0 CD.
2. The following screen will appear. Click **Next** to begin the uninstallation.



- Once the uninstallation is completed, click on the **Finish** button.



- Click **OK** when prompted to restart the Client Computer.

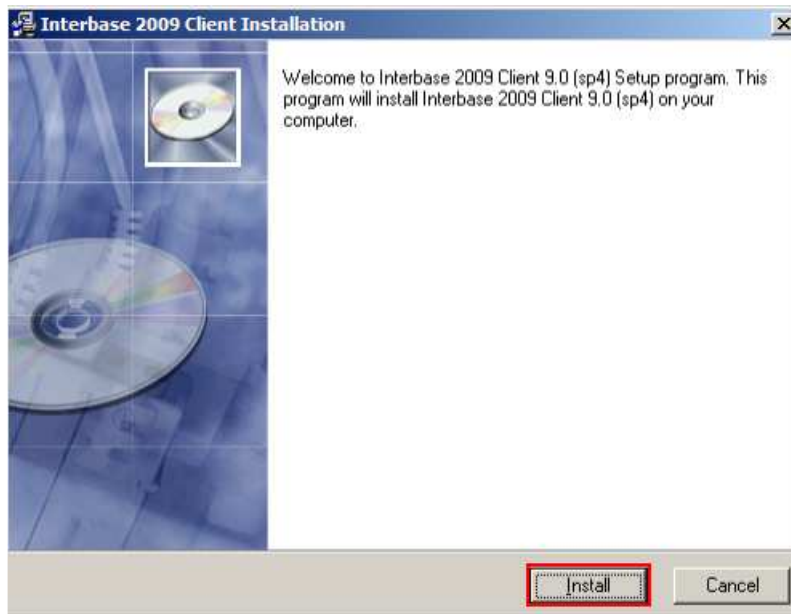


**IMPORTANT:** You **MUST** reboot the Client after uninstalling Interbase 2007 Client.

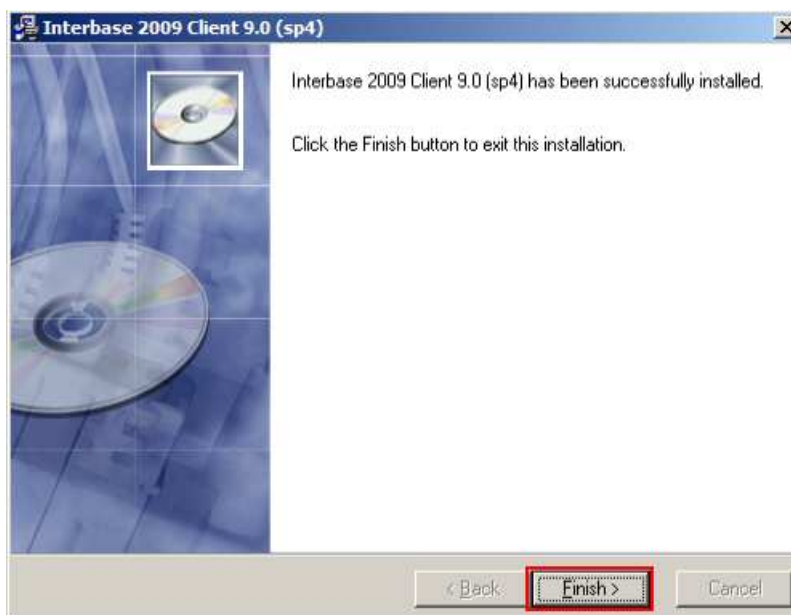
## Installing Interbase 2009 Client

- Ensure ALL users (including remote users) have **LOGGED OUT** of Medtech32 on the Client computer or Citrix/Terminal server.
- Double click on the **IB2009ClientSetup.exe** file – this file is located in the **IB2009** directory on the Medtech32 Version 8.0.0 CD.

3. The following screen will appear. Click **Next** to begin the installation.



4. Once Interbase 2009 Client has been installed, click on the button **Finish** to complete the installation.



Should you require any assistance, please do not hesitate to contact the Medtech Helpdesk on 1800 148 165 → Option 1 or email [ausupport@medtechglobal.com](mailto:ausupport@medtechglobal.com).