

# **Medtech32 Interbase 2009 Server Installation Instructions (Windows 7 Machines)**

## **Technical Documentation**



This Documentation contains 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.

## Table of Contents

For further information on the Interbase 2009 Server Installation, please contact Medtech Support on 09 358 0116 (Option 1) or send us a fax, toll free on 0800 MEDTECH (633 832) or email [nzsupport@Medtechglobal.com](mailto:nzsupport@Medtechglobal.com).

<b>Installation Pre-Requisites .....</b>	<b>3</b>
<b>Technical Pre-Requisites .....</b>	<b>4</b>
<b>Data Execution Prevention Settings.....</b>	<b>4</b>
<b>User Account Control (UAC) .....</b>	<b>7</b>
<b>Step 1 – Pre-Installation Backup.....</b>	<b>8</b>
Backing Up Your Databases.....	8
<b>Step 2 – Backing Up Interbase 2007 Databases.....</b>	<b>9</b>
<b>Step 3 – Installing Interbase 2009 Server.....</b>	<b>10</b>
Installing Interbase 2009 Server .....	10
<b>Step 4 – Configuring Interbase Console .....</b>	<b>13</b>
<b>Step 5 - Restoring Databases To Interbase 2009 .....</b>	<b>17</b>
<b>Step 6 – Modified MT32.ini.....</b>	<b>19</b>

## Installation Pre-Requisites

1. Ensure you have the Medtech Interbase 2009 Installation CD.
2. Ensure the person(s) who will be performing the upgrade have read through the technical documentations provided on the Medtech Interbase Installation CD.  
**IMPORTANT:** This documentation contains valuable information that, if not read, could seriously affect the upgrade progress and/or possible down time of your network.
3. Ensure you are ALWAYS logged onto Windows with administrative rights when performing ANY installation, update, or maintenance tasks.
4. To avoid unnecessary problems during installation, upgrade, or maintenance, preferably you should log onto Windows in Console Mode – i.e. not through Remote Desktop Connection, Terminal Services, or Citrix.
5. Ensure ALL Briefcasing laptops with outstanding Briefcased data MUST be checked-in Prior To running the update.
6. Ensure you have a COMPLETE backup of ALL databases located in the MT32\Data directory.
7. 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.

**NOTE:** ALL Briefcasing laptops MUST be updated to the same Interbase Server version as the Main Interbase Server,

**NOTE:** ALL Medtech32 Client MUST be updated to the latest Interbase Client version that is compatible with the Main Interbase Server

## Technical Pre-Requisites

Please review the following Technical prerequisites and ensure they are met prior to running Medtech32 on Windows 7 and Interbase 2009.

- ▶ **Data Execution Prevention Settings** on the Server. The Server must be edited to allow exceptions for the Medtech32. This is required to be configured on the Server and Client with Windows 7 installed that will be using Medtech 32 (see below for configuration).
- ▶ **User Account Control (UAC)** need to be turned off on the Server and Clients using Windows 7. (see below for configuration).

### Data Execution Prevention Settings

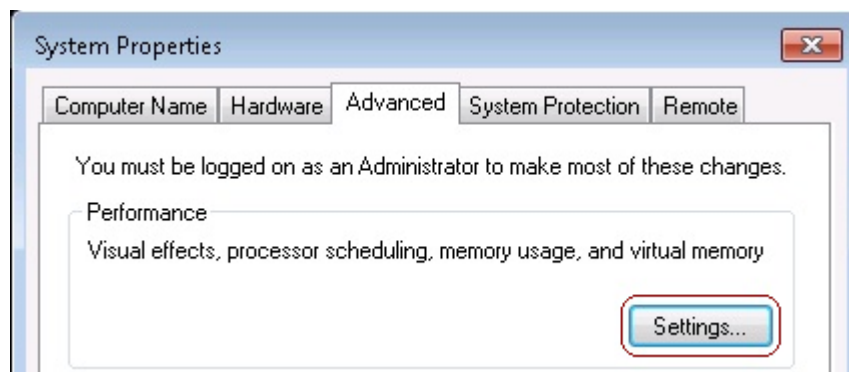
**Data Execution Prevention Settings** on the server must be edited to allow exceptions for the Medtech32 application. This is required to be configured on the Server and the Client machine that will be using Medtech32.

Follow the steps below to enable the necessary settings:

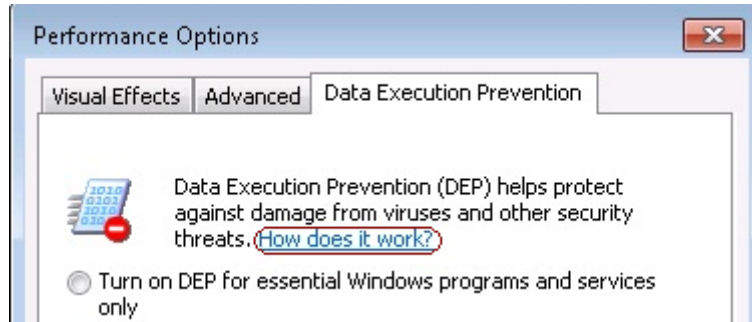
1. Navigate to *Start ▶ Control Panel ▶ System and Security ▶ System*
2. Click on the Advanced system settings on the left hand side



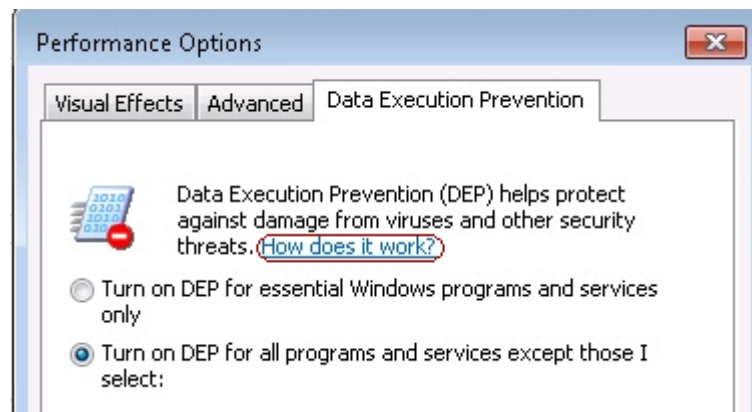
3. In the System Properties screen click on the Advanced Tab
4. Click on the Settings button for the Performance options



5. In the Performance Options screen click on the Data Execution Prevention Tab



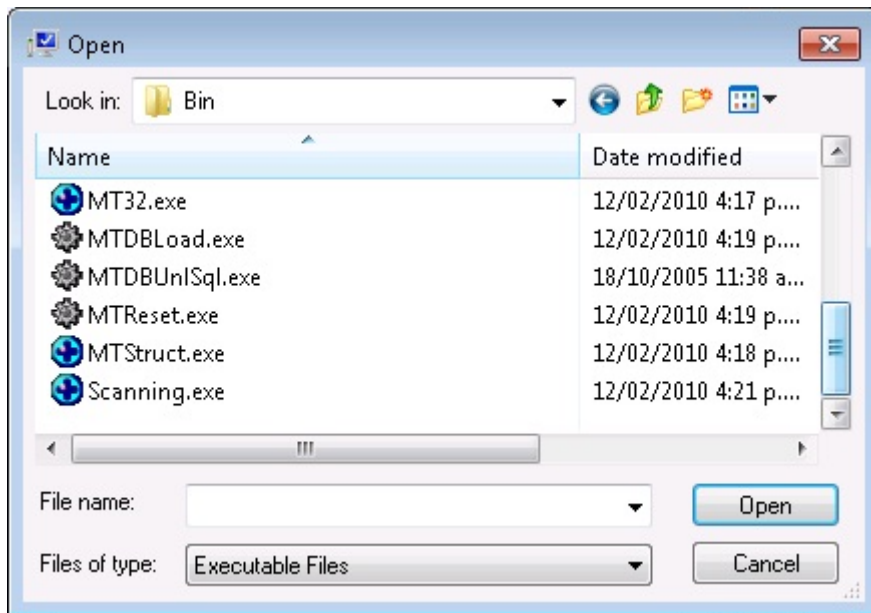
6. If not already selected select the second option in the screen "Turn on DEP for all programs and services except those I select:"



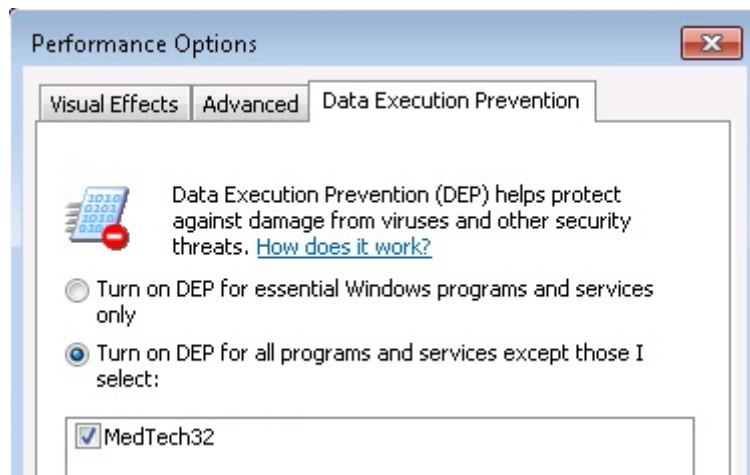
7. Click on the Add button at the bottom of the screen and browse to the MT32 installation directory on the server

**[The installation directory is usually the C Drive. Ensure you are not browsing through a mapped network drive]**

8. if it's the client install browse to the mapped drive pointing to the Medtech install on the Server. This is standard in all Client Installations and is usually pointed to an M:\ by default.



9. Select and Add Medtech32 to the exclusion list.



10. Click on Apply and OK to save the settings.

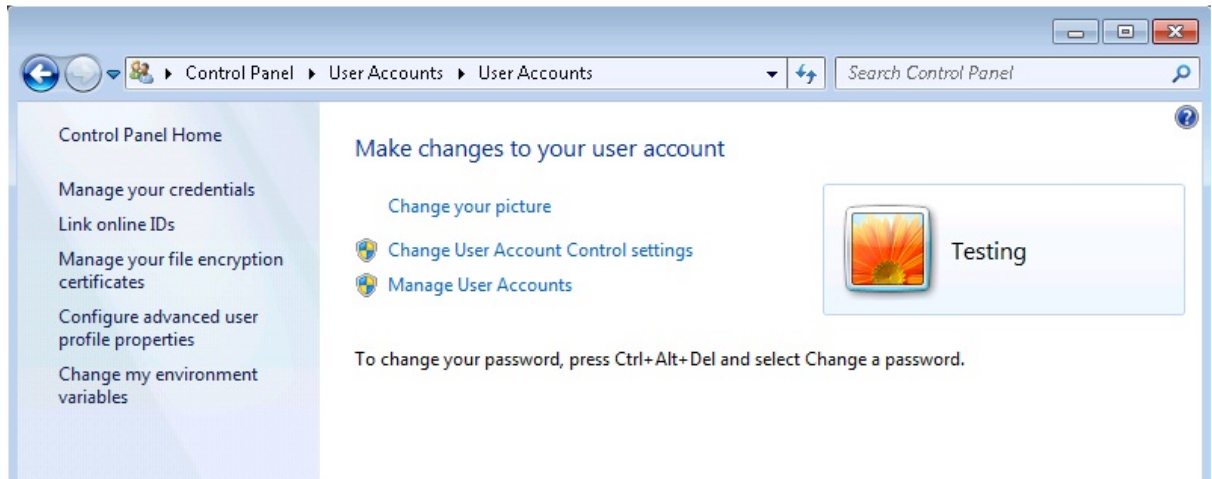
11. The Server should now be rebooted to ensure that the setting changes take effect.

## User Account Control (UAC)

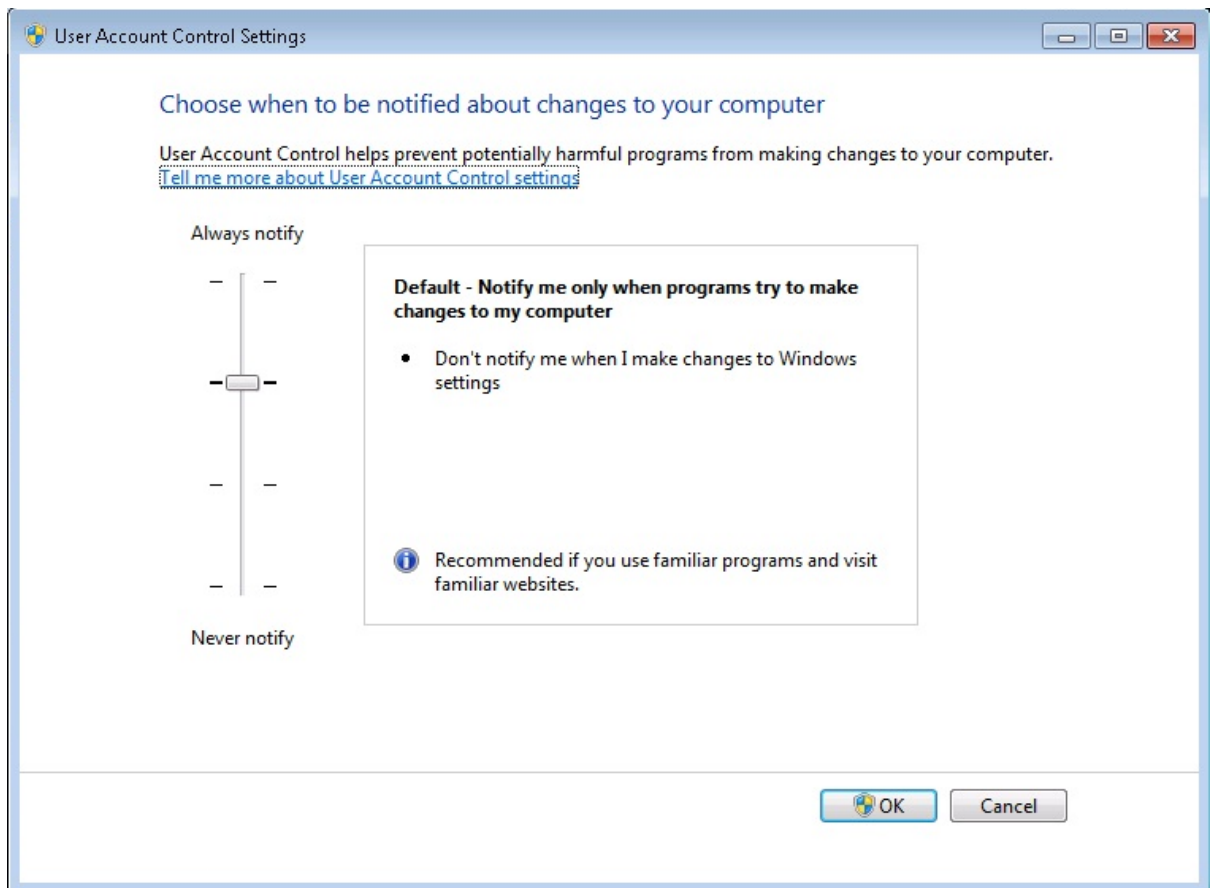
**User Account Control** on the server and the workstation must be edited to turn the User Control off.

Follow the steps below to enable the necessary settings:

1. Navigate to *Start ▶ Control Panel ▶ User Accounts*



1. Notify on the changes made on the programs



## Step 1 – Pre-Installation Backup

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

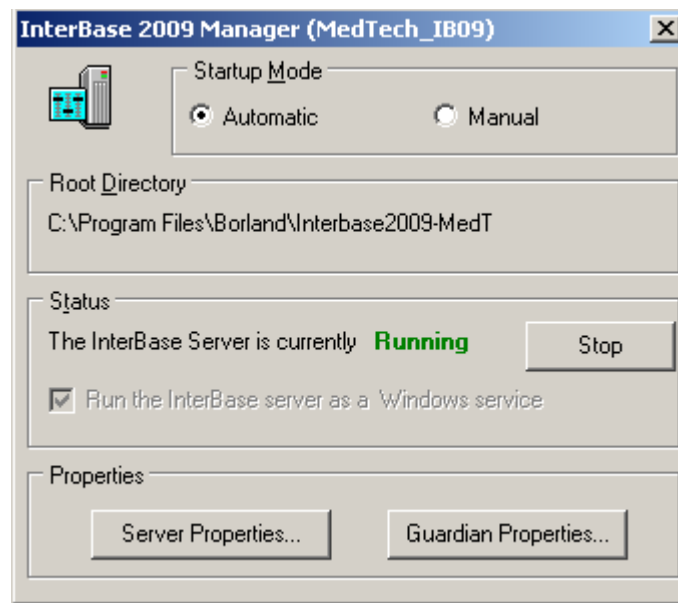
**NOTE:** These need to be stored away from the Interbase Server being upgraded, i.e. on another machine or on external media such as CD, Tape, USB devices.

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

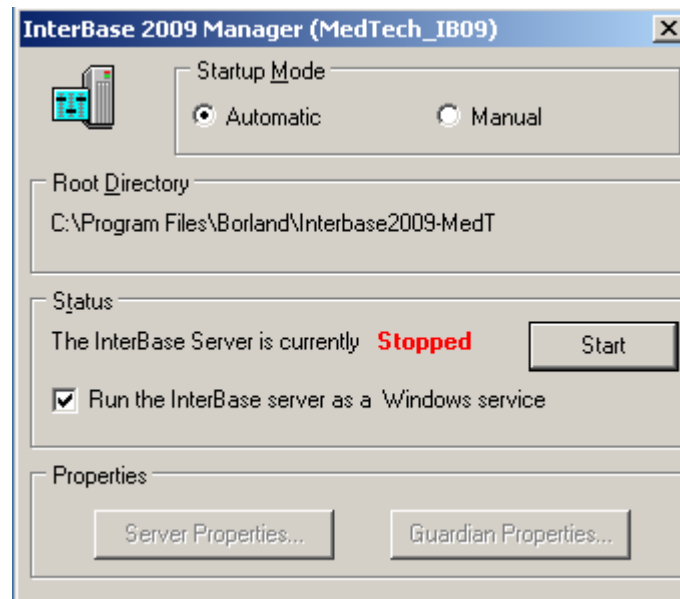
### Backing Up Your Databases

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 **Start ► Programs ► Interbase ► Interbase Server Manager**, click on **Stop**.

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

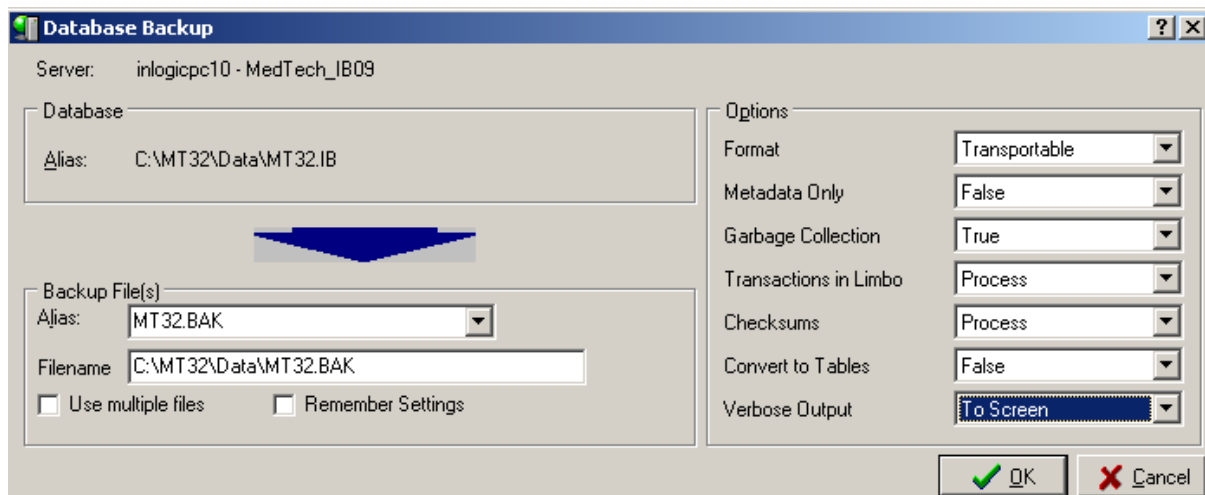


3. Once the copying is completed, on the Server, go to **Start ► Programs ► Interbase ► Interbase Server Manager**, and click **Start**.



## Step 2 – Backing Up Interbase 2007 Databases

1. To Backup your database go to **Database ► Maintenance ► Backup/Restore ► Backup**.




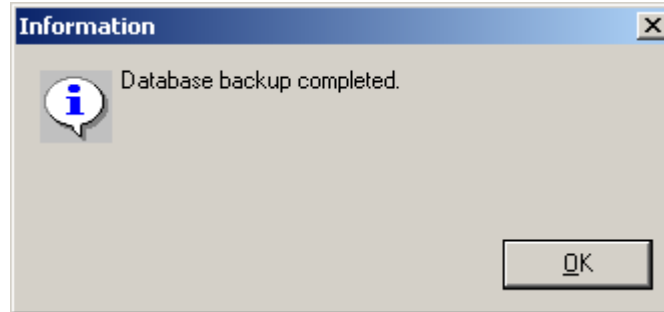
2. Under the **Database** section, **Alias** should be set to MT32.IB. Under the **Backup File(s)** section, set **Server** to Local Server, and set both **Alias** and **Filename** to C:\MT32\Data\MT32.BAK. Then press **OK**

**WARNING:** DO NOT change any default Options on the right hand side unless otherwise advised by Medtech.

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

**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. Press OK to close the window, then click on the  icon to close the Database Backup window.



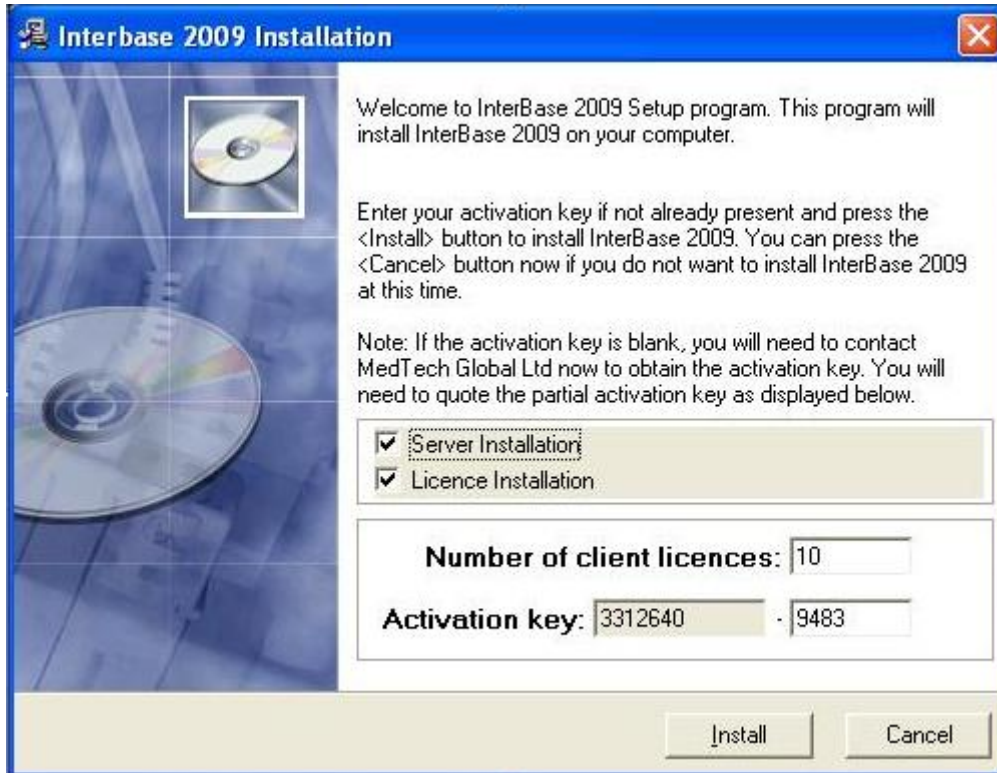
3. **Repeat** Steps 1-3 above for the BLOB.IB, **PLUS** ALL other databases you would like to upgrade to Interbase 2009. This includes the Training.IB and BLOB1.IB databases if you would like to keep them for training/testing purposes.

## Step 3 – Installing Interbase 2009 Server

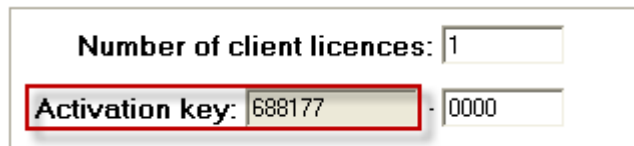
**Note:** Interbase 2009 Server can be installed without uninstalling Interbase 2007 as it will be installed as a separate instance. If rollback is necessary, Interbase 2007 will not need to be reinstalled.

### Installing Interbase 2009 Server

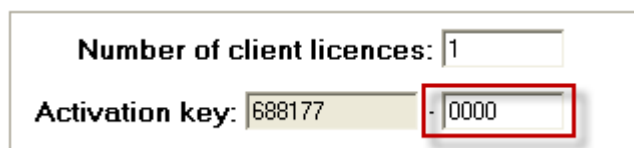
1. Insert the CD into the CD drive
2. Double click on the **IB009 ServerSetup.EXE** file – this file is located in the **IB009 \Installation Files\Server Installation** directory on the Medtech Interbase 2009 CD.
3. The following screen will appear. You can tick the option required. For the first time install you will have to tick Server Installation and License Installation.



4. Enter the Number of client licenses purchased from Medtech.
5. Contact Medtech Support on 09 358 0116 (option 1). You will need to provide the **Activation Key** shown in the Installation Screen.

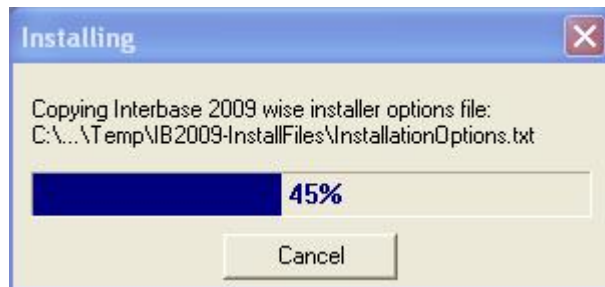


6. Medtech will provide you with a Key to be added to the last field of the Activation Key. Enter this number in the following field.

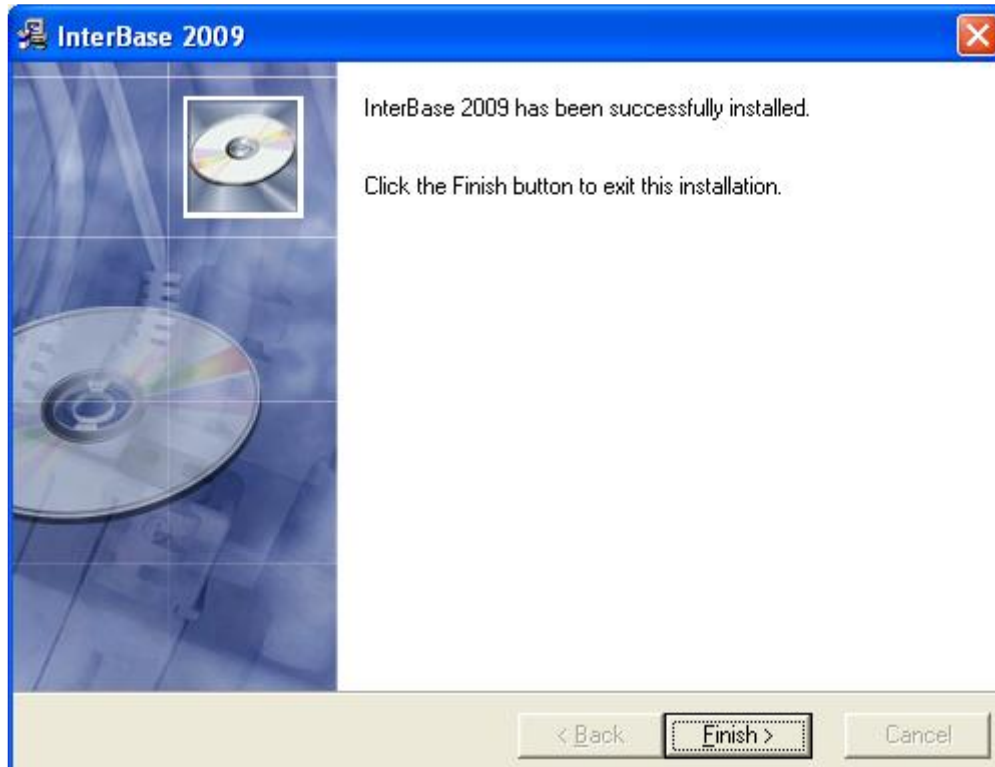


7. Click **Install** to begin the installation.
8. The installation will begin.





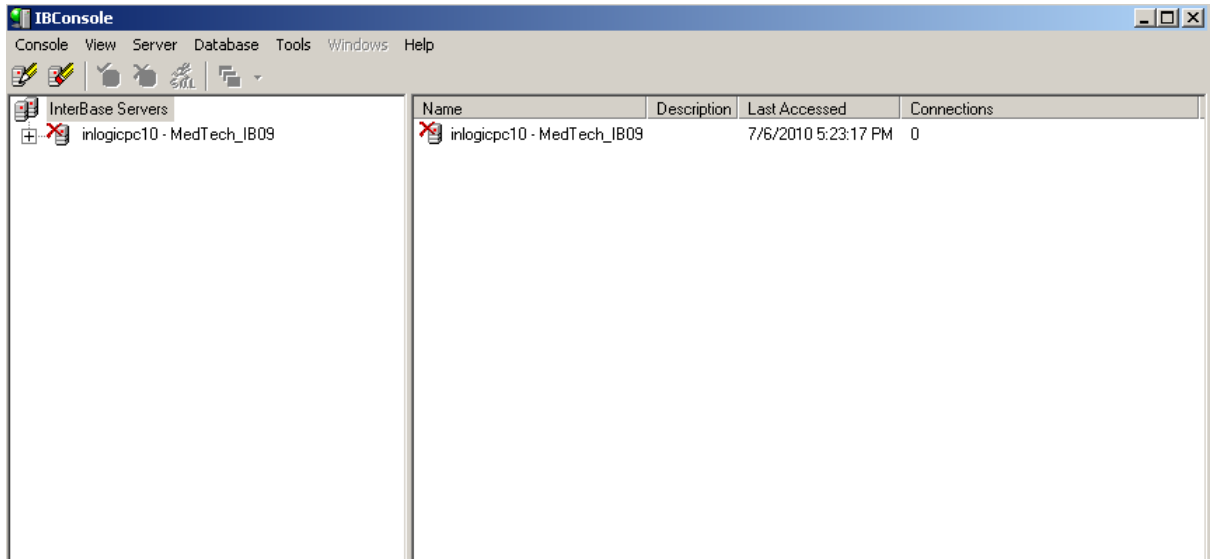
9. Finally, click on the **Finish** button to complete the installation.



10. Reboot the server after the installation is completed.

## Step 4 – Configuring Interbase Console

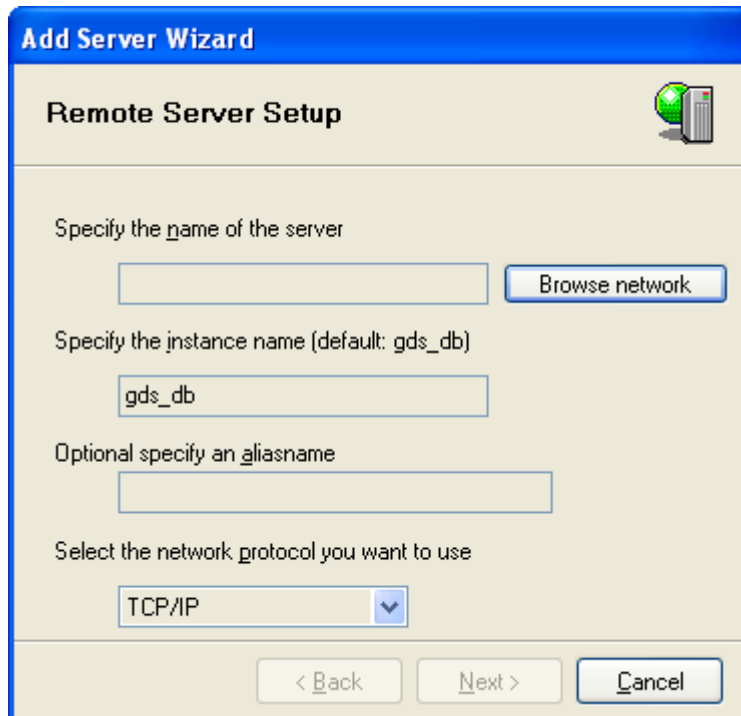
1. On the Server, Go to **Start ► Programs ► CodeGear InterBase 2009 Instance = MedTech\_IB09 ► IBConsole.**



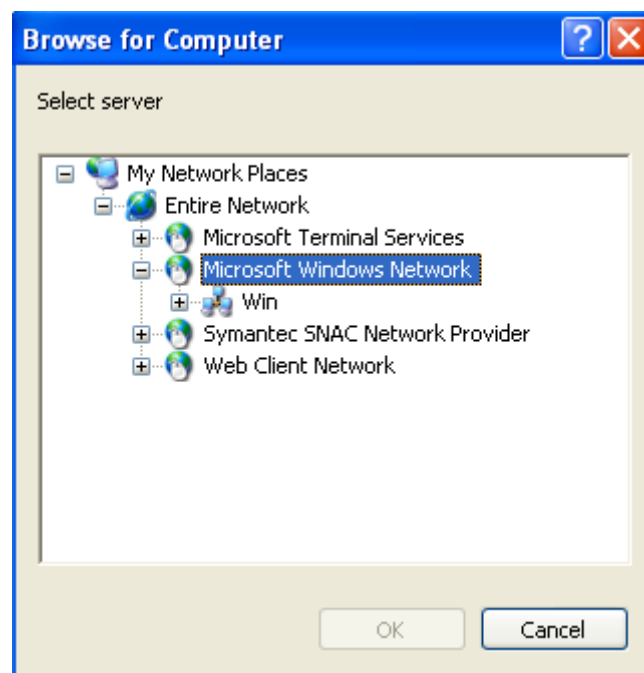
2. Go to **Interbase Server** , Right Click and select Add



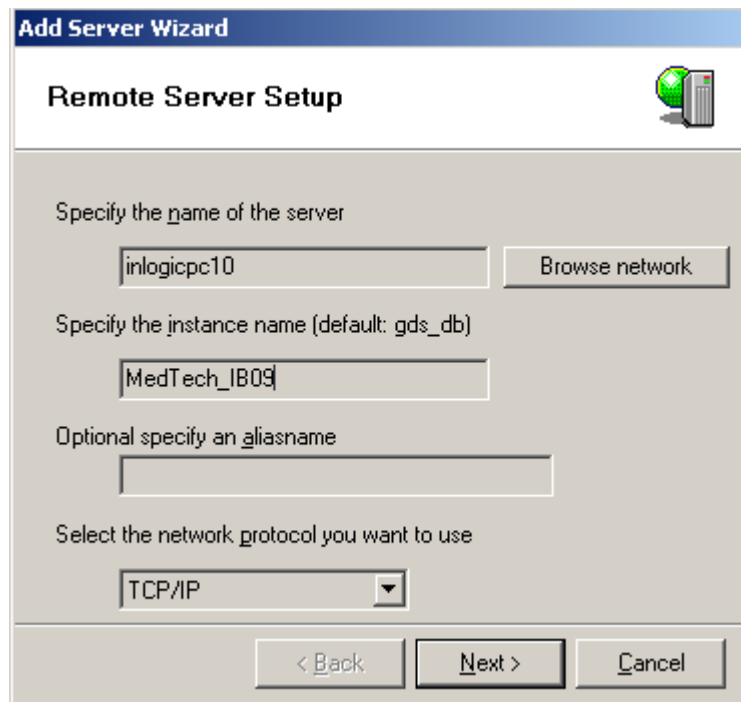
3. Select **Remote Server** and click Next



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



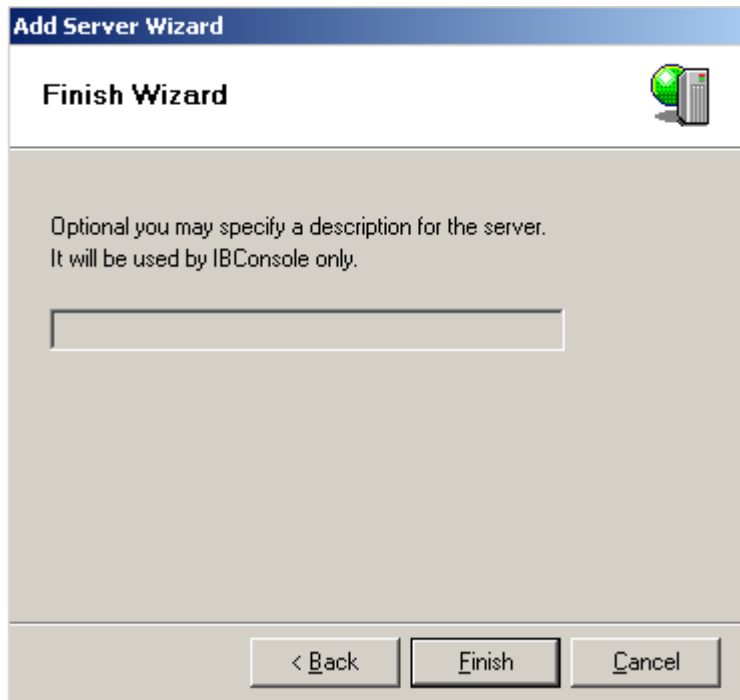
5. Type in Specify the instance name as MedTech\_IB09 and click Next



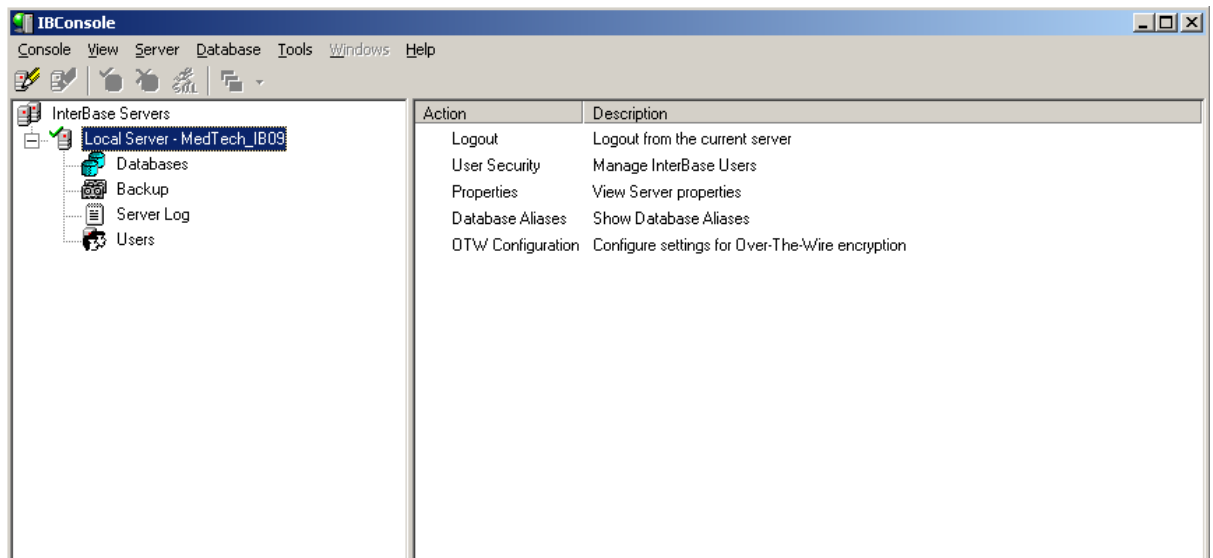
6. The following screen will be displayed and enter the Password as masterkey and click Next.



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

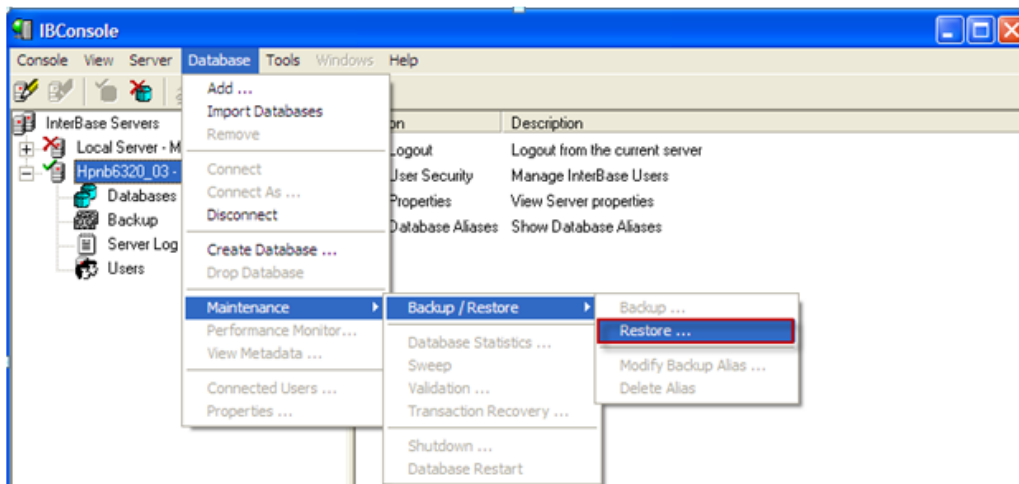


- The Interbase Server will now be displayed in the IB console

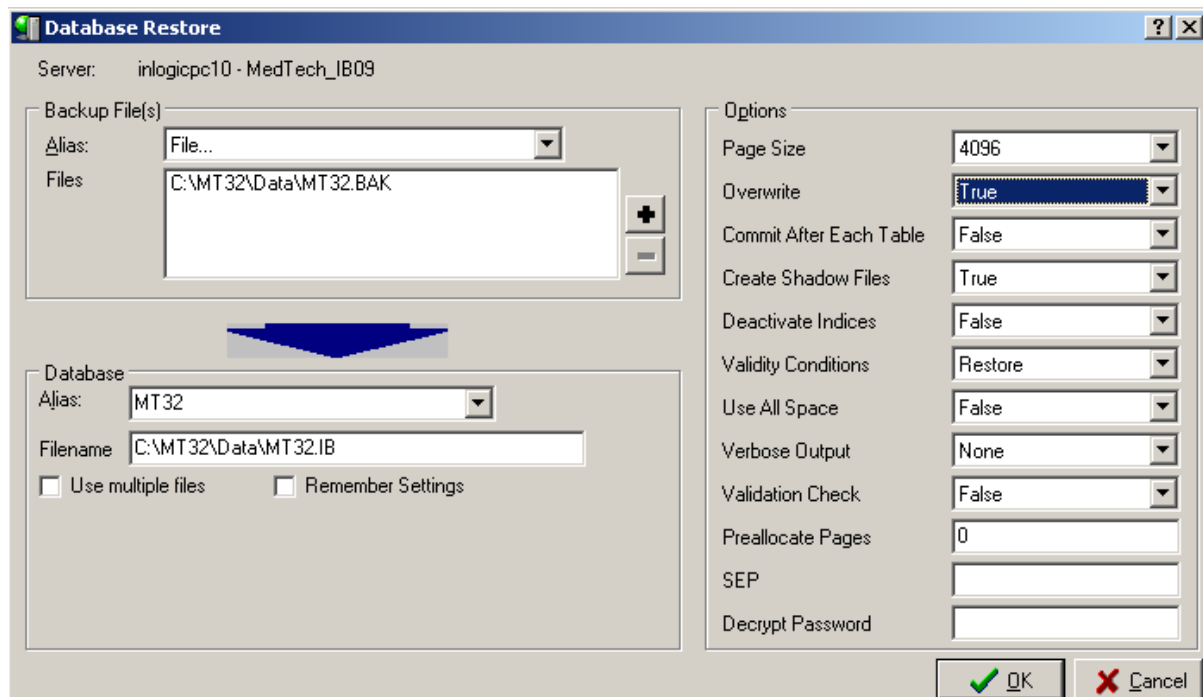


## Step 5 - Restoring Databases To Interbase 2009

1. To Restore your database, Select your Server (located under the Local Server section on the left hand panel) you have setup, then go to **Database menu ► Maintenance ► Backup/Restore ► Restore**.




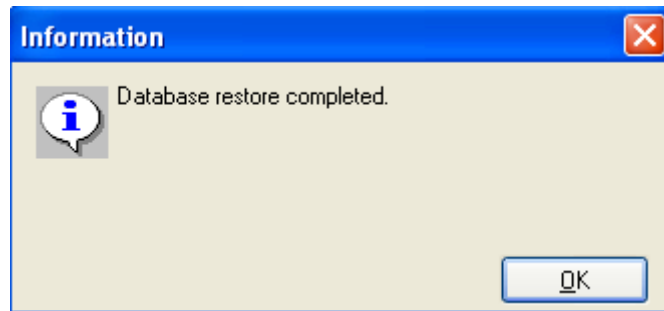
2. All fields under both the **Backup File(s)** section and the **Database** section have to be filled in. This will restore the Interbase 2007 database into the Interbase 2009 install.
3. Set the **Overwrite** option to True, then press **OK**.



**WARNING:** DO NOT change any other default Options on the right hand side unless otherwise advised by Medtech.

**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.

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



## Step 6 – Modified MT32.ini

MT32.ini file is required to be modified when installing the Interbase 2009. This will ensure that Medtech32 uses the new Interbase 2009 Instance.

### To open the MT32.ini

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

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

2. Open the file **MT32.ini** in Notepad.
3. The MT32.ini file will be displayed as below

```
[DB0.PARAMS]
SERVER NAME=NLOGICPC10/MedTech_IB09:C:\MT32NZ\DATA\MT32.IB
USER NAME=SYSDBA
password=masterkey
OPEN MODE=READ/WRITE
SCHEMA CACHE SIZE=8
SQLPASSTHRU MODE=SHARED AUTO COMMIT
SCHEMA CACHE TIME=-1
MAX ROWS=-1
BATCH COUNT=200
ENABLE SCHEMA CACHE=FALSE
BLOBS TO CACHE=500
[DB0.LOGON]
LOCATION=M
[BLOB0.PARAMS]
SERVER NAME=NLOGICPC10/MedTech_IB09:C:\MT32NZ\DATA\BLOB.IB
USER NAME=SYSDBA
password=masterkey
OPEN MODE=READ/WRITE
SCHEMA CACHE SIZE=8
SQLPASSTHRU MODE=SHARED AUTO COMMIT
SCHEMA CACHE TIME=-1
MAX ROWS=-1
BATCH COUNT=200
ENABLE SCHEMA CACHE=FALSE
BLOBS TO CACHE=500
```

4. In the **Server Name:** section ensure **/MedTech\_IB09** is added.

Should you have any questions with regard to the information contained in these Release Notes please don't hesitate to contact the Medtech Helpdesk on **09 358 0116 (Option 1 and follow prompts)**.