[RBY01]

[Installation Guide]

[Version 1.0]

[Kyndig]

[Lilcooldoode]

0 - Contents

1 - Introduction

1.1 – Overview

This guide will serve as an aid in setting up the RubyM2 server files. The files can run on multiple servers or on one server, in most instances one server should be enough to manage the files. This guide will cover all the basics in detail from installing and configuring SQL server and configuring the different gates of the server.

1.2- Pre-Requisites

Before beginning the installation of the RubyM2 files there are certain pre-requisites that must first be met before continuing, failure to adhere to these pre-requisites could ultimately result in a failed installation of the files.

To run the RubyM2 files the following software is required:

- SQL Server Express 2005
- .NET Framework 4.0
- Windows XP, Vista or 7

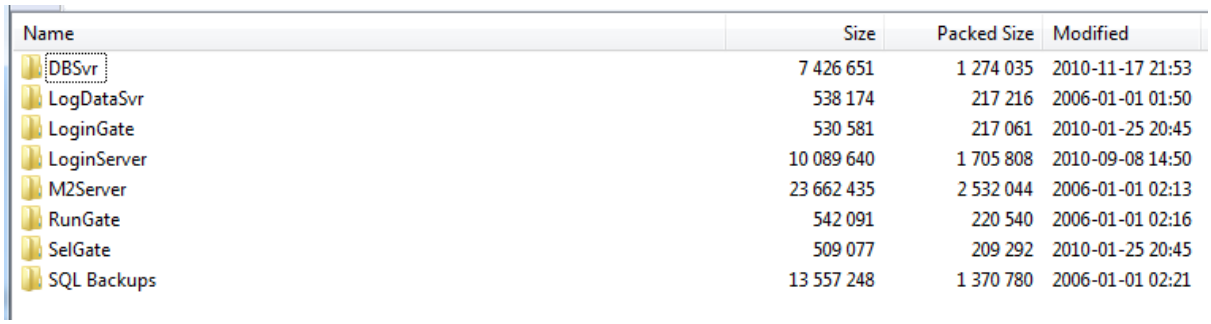
It is recommended that windows 7 be used to run the server, instead of Windows XP or Vista, for security and reliability.

2 - Preparing the files for installation

2.1 – Unpacking the files

The first step in installing the files is to remove them from the archive to a suitable location, this may seem like a standard task but choosing a convenient location can save a lot of hassle later on in the installation.

1. Open the [**Basic Server.rar**] using your 7-zip or WinRar, the contents should match the screen shot below.



Name	Size	Packed Size	Modified
DBSvr	7 426 651	1 274 035	2010-11-17 21:53
LogDataSvr	538 174	217 216	2006-01-01 01:50
LoginGate	530 581	217 061	2010-01-25 20:45
LoginServer	10 089 640	1 705 808	2010-09-08 14:50
M2Server	23 662 435	2 532 044	2006-01-01 02:13
RunGate	542 091	220 540	2006-01-01 02:16
SelGate	509 077	209 292	2010-01-25 20:45
SQL Backups	13 557 248	1 370 780	2006-01-01 02:21

2. Choose a location to extract the files. The recommended location is on the root of your default drive in a folder named [**MirServer**].

2.2 – Configuration

This is one of the areas where a lot of mistakes can be made and go unnoticed until the end of the installation when the server will not work or load properly, so it is vital that this section is done correctly.

2.2.1 – Setup.txt

The setup text file contains a lot of the main variables that describe your server and how it should work, in past incarnation of Mir files the Setup file has been overloaded with variables making it very confusing and difficult to debug problems, one of the aims of the RubyM2 project was to maintain simplicity throughout and this included the configuration files.

During this stage of the installation there are only a few fields that we must modify in this file so:

1. Navigate to the directory where you extracted your [**MirServer**].

2. Open the folder named [**M2Server**].

3. There will be a variable named [**ServerName**], this will be the name of your server rename this to a suitable name do not use any spaces or punctuation.

4. Locate the following fields and put the IP address of your server in them, the default IP address for offline servers is [**127.0.0.1**], the fields you must change are [**DBAddr**], [**IDSAddr**], [**MsgSrvAddr**] and [**LogServerAddr**].

5. Close the [**Setup.txt**] file.

2.2.2 – ServerTable.txt

This file contains the addresses of your server, they are indexed but in most cases you will only be running one server.

1. From your [**M2Server**] folder open [**ServerTable.txt**].

2. Change the IP Address to that of your server, for offline servers change it to [**127.0.0.1**].

3. Close the [**ServerTable.txt**] file.

2.2.3 – RunAddr.txt

This file contains the address to your [**RunGate**] server, if you are running this gate on a separate server which is very unlikely then you must supply that IP Address, otherwise simply change the IP Address to the one you have put previously in the other two sections.

1. From your [**M2Server**] folder open [**RunAddr.txt**].

2. Change the IP Address to that of your server, for offline servers change it to [**127.0.0.1**].

3. Close the [**RunAddr.txt**] file.

2.2.4 – RunGate Configuration

The run gate is one of the most vital gates on your server. The run gate acts as a gatekeeper for all messages coming to and from the M2Server, it is relatively easy to configure.

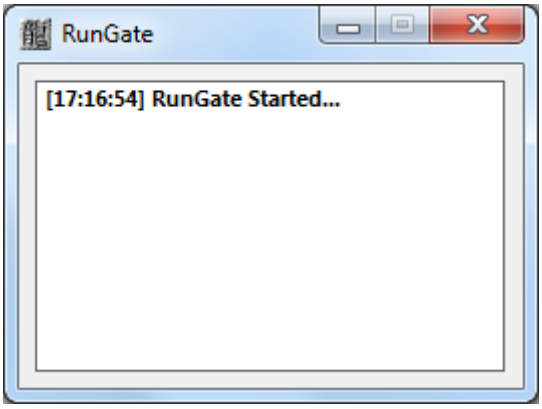
1. From your [**MirServer**] open the folder named [**RunGate**].

2. In this folder there will be a file names [**MirGate.ini**], open this file.

3. Locate the variable named [**Server 1**] and insert your IP address, for offline servers the IP is [**127.0.0.1**].

4. Close the [**MirGate.ini**] file.

5. Once complete open the [**RunGate.exe**] and make sure it looks like the following screenshot.



2.2.5 – SelGate Configuration

The SelGate is responsible for handling character selections.

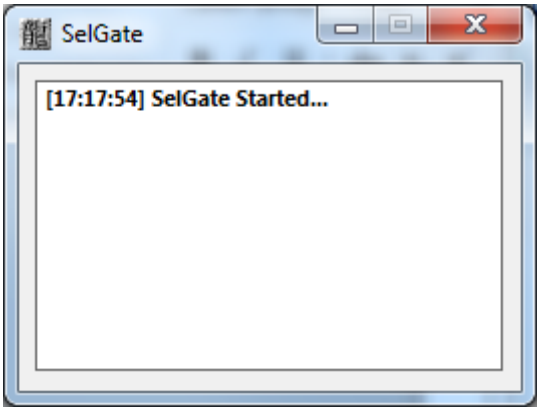
1. From your [**MirServer**] open the folder named [**SelGate**].

2. In this folder there will be a file names [**MirGate.ini**], open this file.

3. Locate the variable named [**Server 1**] and insert your IP address, for offline servers the IP is [**127.0.0.1**].

4. Close the [**MirGate.ini**] file.

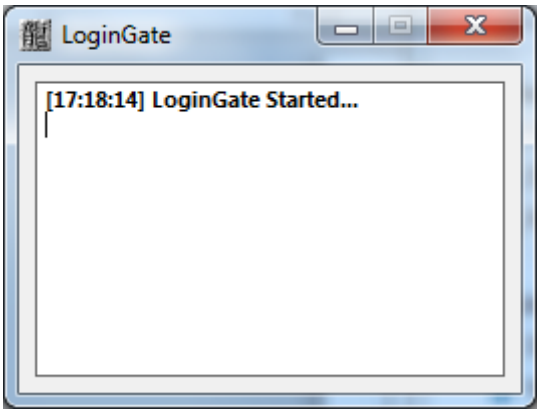
5. Once complete open the [**SelGate.exe**] and make sure it looks like the following screenshot.



2.2.6 – Login Gate Configuration

The Login Gate is responsible for dealing with server logins.

1. From your [**MirServer**] open the folder named [**LoginGate**].
2. In this folder there will be a file names [**MirGate.ini**], open this file.
3. Locate the variable named [**Server 1**] and insert your IP address, for offline servers the IP is [**127.0.0.1**].
4. Close the [**MirGate.ini**] file.
5. Once complete open the [**LoginGate.exe**] and make sure it looks like the following screenshot.



2.2.7 – Database Server Configuration

The Database Server is responsible for dealing with interactions to the SQL databases.

1. From your [**MirServer**] open the folder named [**DBSvr**].

2. In this folder there will be a file names [**!serverinfo.txt**], open this file.

3. Locate bother instances of the IP Address and insert your IP address, for offline servers the IP is [**127.0.0.1**].

4. Close the [**!serverinfo.txt**] file.

2.2.8 – Copying the Map files to the server

In order for your server to function the server must contain the client maps in order to perform some functions.

1. Locate your Mir client instance usually located in [**Program Files > WeMade Entertainment > Legend of Mir > Maps**].

2. Open the folder and highlight all the files and copy them.

3. From your [**MirServer**] folder go to [**M2Server**] and then [**Map**].

4. Paste the copied files.

2.3 – Review

At this point the server is prepared for the next step in the installation process, as this section is critical it is recommended that you review this section just to make sure you have not missed anything out as this can be more difficult to debug later on.

3 – Installing and Configuring SQL Server

3.1 – Overview

Installing and configuring SQL server may seem a bit daunting at first, but it is relatively simple, this part of the document will guide you through the installation and then how to configure it to run your server.

3.2 – Locating SQL Server

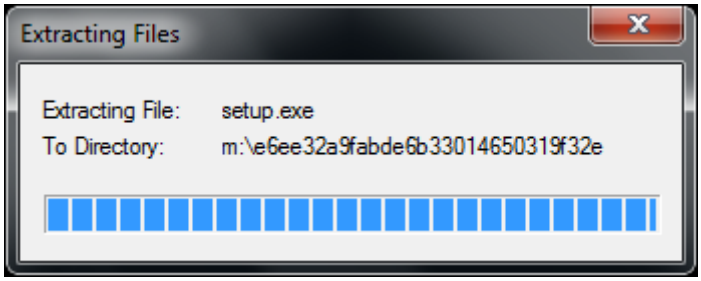
SQL server express is a free edition of Microsoft's SQL Server, the version to use for these files is 2005 express, you will also require management studio express, both of these can be downloaded at the link below on the Microsoft website.

[http://www.microsoft.com/Sqlserver/2005/en/us/express-down.aspx]

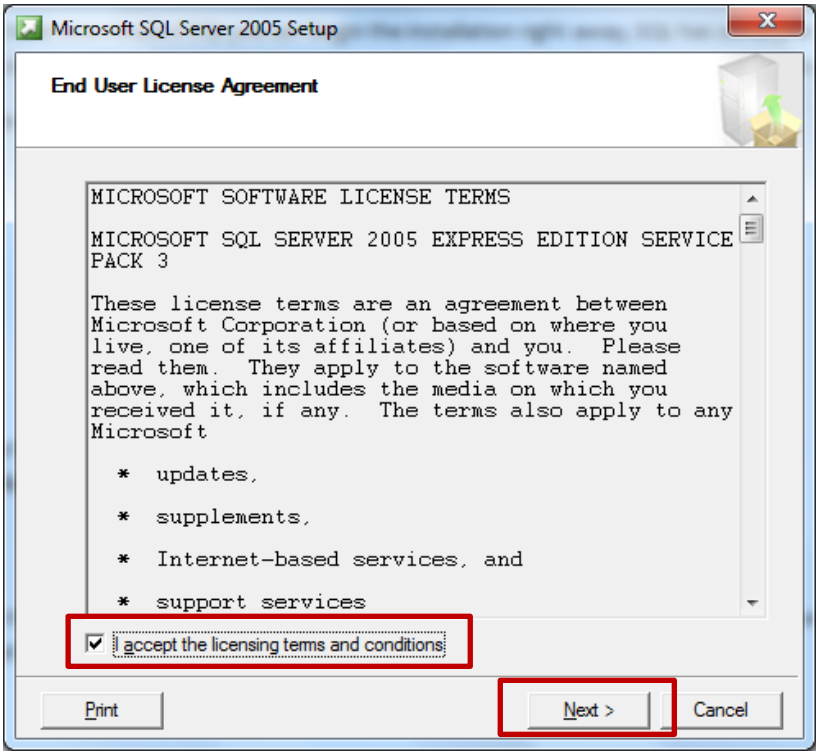
3.3 – Installing SQL Server Express 2005

Once you have downloaded SQL you can begin the installation right away, SQL has some pre-requisites of its own, which you may have to install separately and will not be covered in this guide.

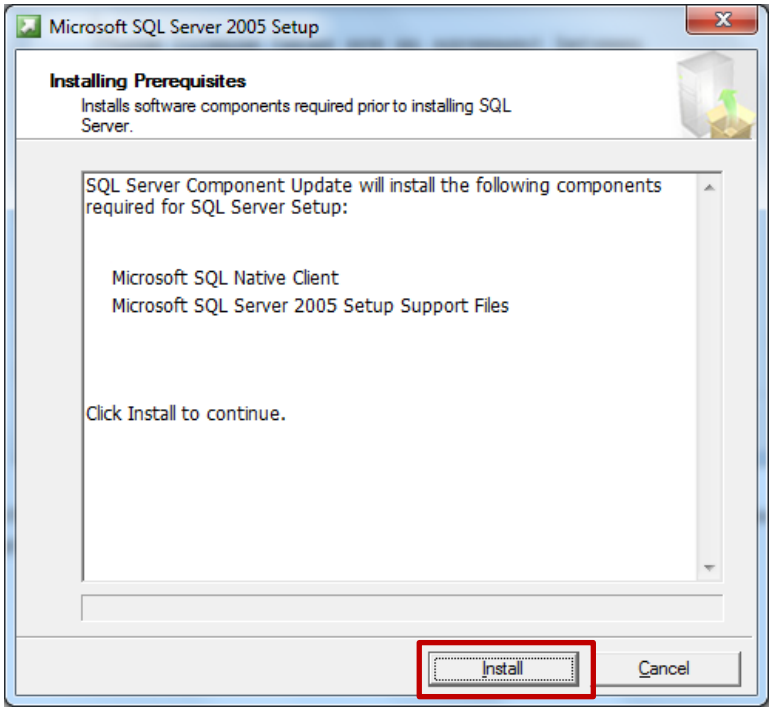
1. Locate the folder where you downloaded SQL too.



2. In the folder should be an executable named [**SQLEXPR32.exe**], double click to run the installation wizard, the wizard will extract some files as show in the screenshot above.



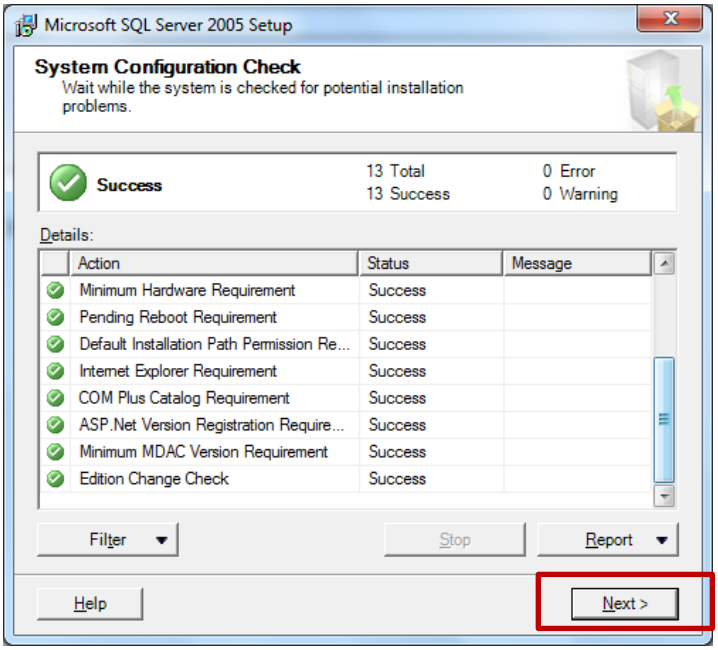
3. Once it has completed you will be presented with the license agreement screen as show above, accept the licence agreement and click [**Next**].



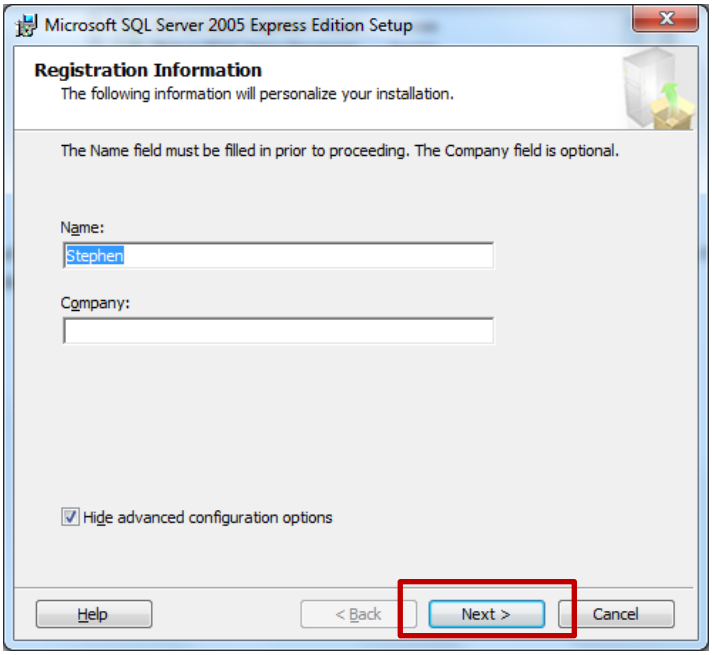
4. The next screen as show above will prompt you with the pre-requisites that SQL will need to install, click [**Install**].

5. SQL will begin installing the pre-requisites, once complete click [**Next**].

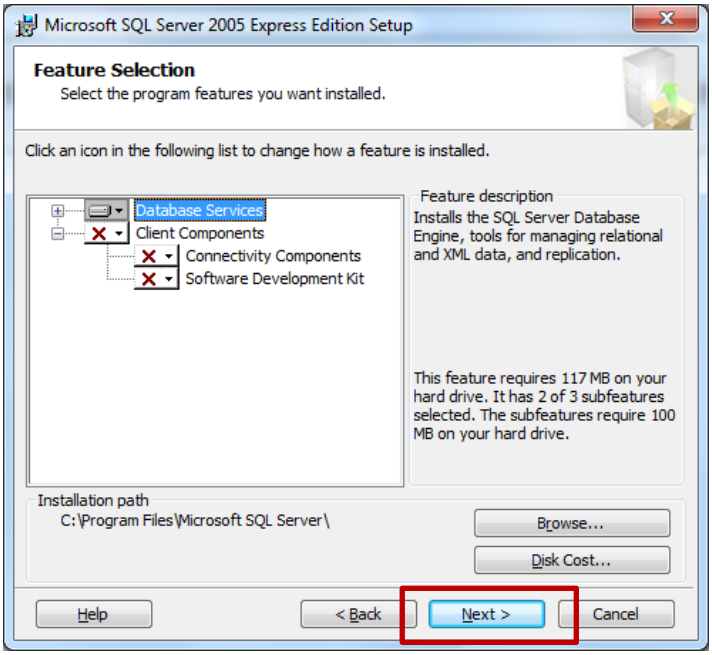
6. Click [**Next**] again on the next screen.



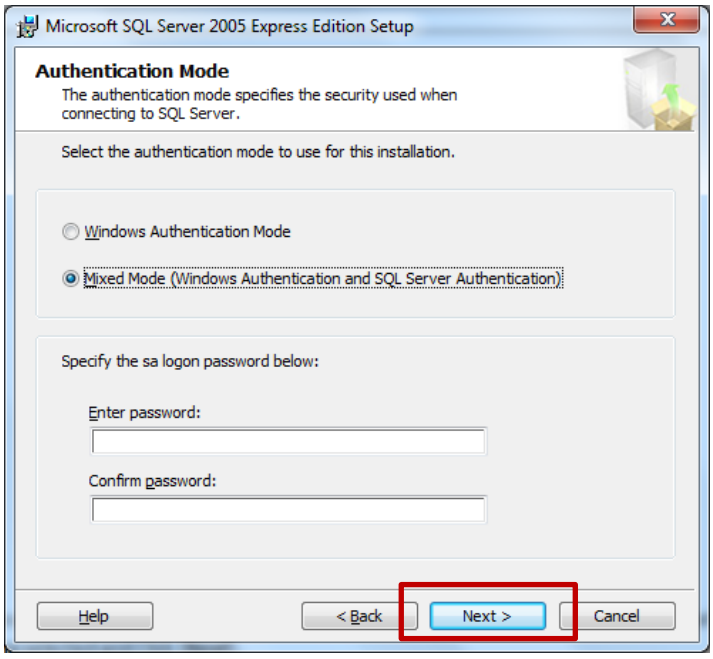
7. SQL will scan your computer configuration to detect if it is able to run SQL Server, once this is complete click [**Next**].



8. Fill in the name field and make sure that [**Hide advanced configuration options**] is checked, then click [**Next**].



9. Make sure the feature selection screen looks like the screenshot above. Leave all the default setting selected and Click [**Next**].

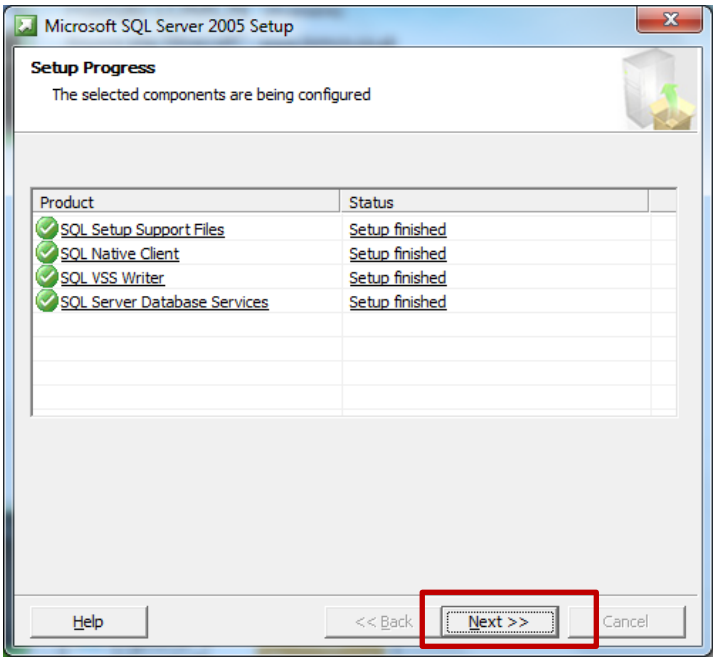


10. Select the [**Mixed Mode**] radio button, and enter a username and password below, the recommended username is [**sa**] with a 6 digit password, Click [**Next**] when finished.

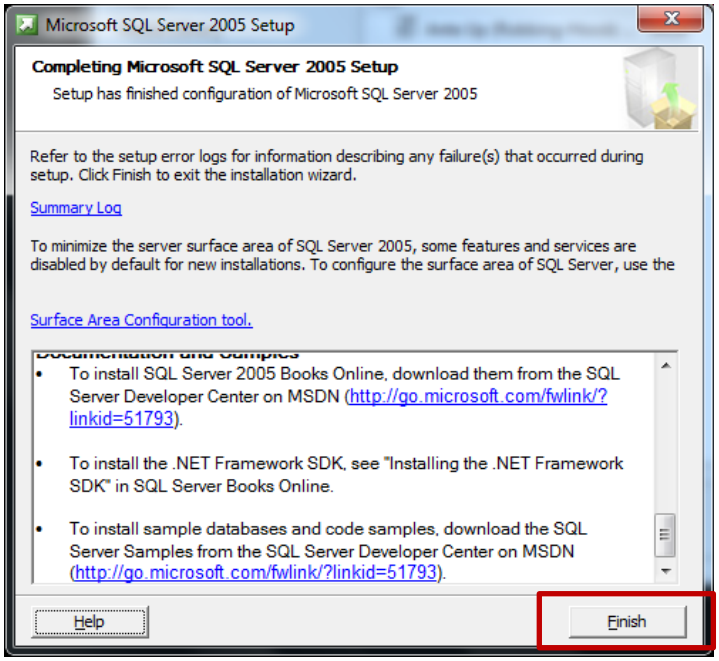
11. On the next screen uncheck [**Enable Use Instances**] and click [**Next**].

12. On the next screen make no changes and click [**Next**].

13. SQL Server is now ready to install, click the [**Install**] button to begin, the installation may take up to 30 minutes to complete.



14. Once complete click [**Next**].

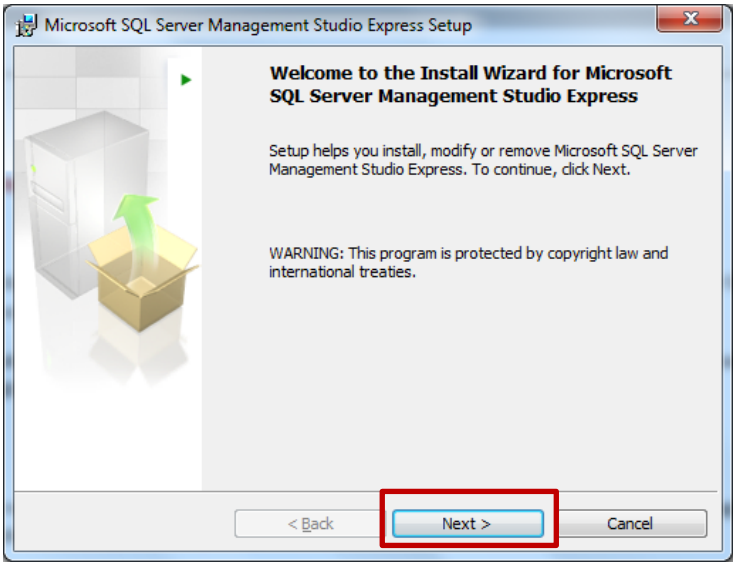


15. On the final screen click [**Finish**] to complete the installation.

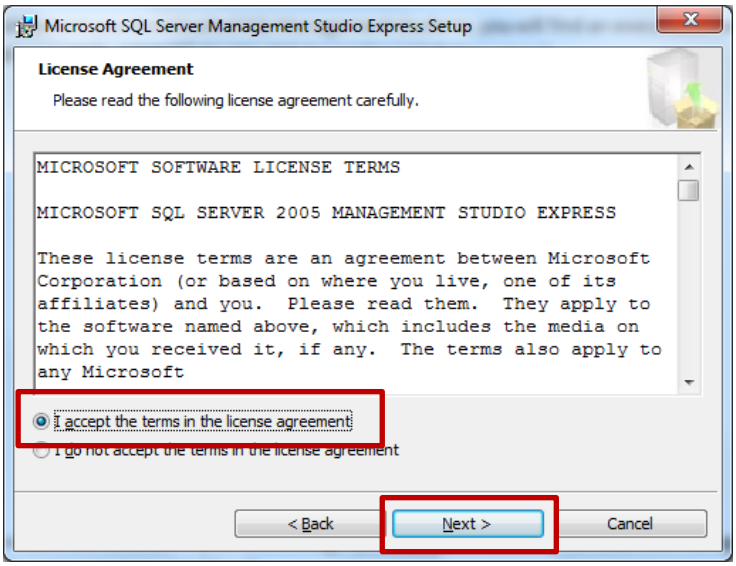
3.4 – Installing SQL Server Management Studio

After installing SQL you need to then install SQL Management studio so you can manage your SQL Server instances, this is where all the databases will be stored and managed.

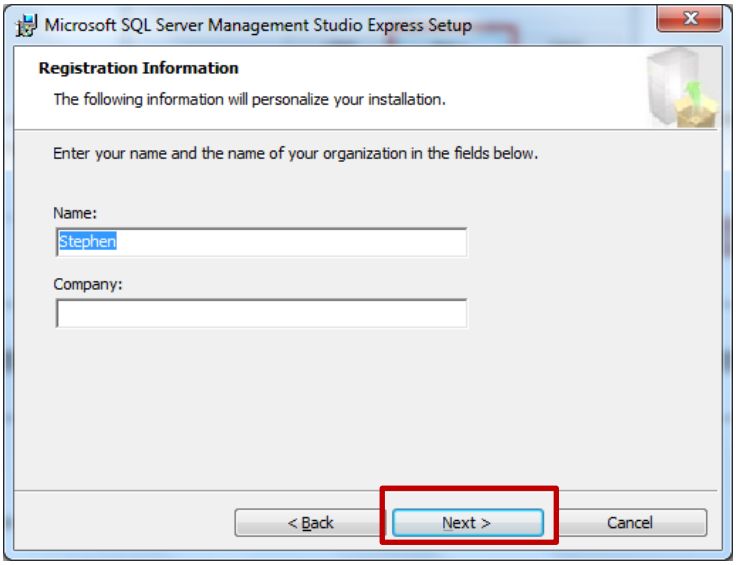
1. Locate where you downloaded SQL Management studio to, you will find an executable named [**SQLServer2005_SSMSEE**] double click to run the installation wizard.



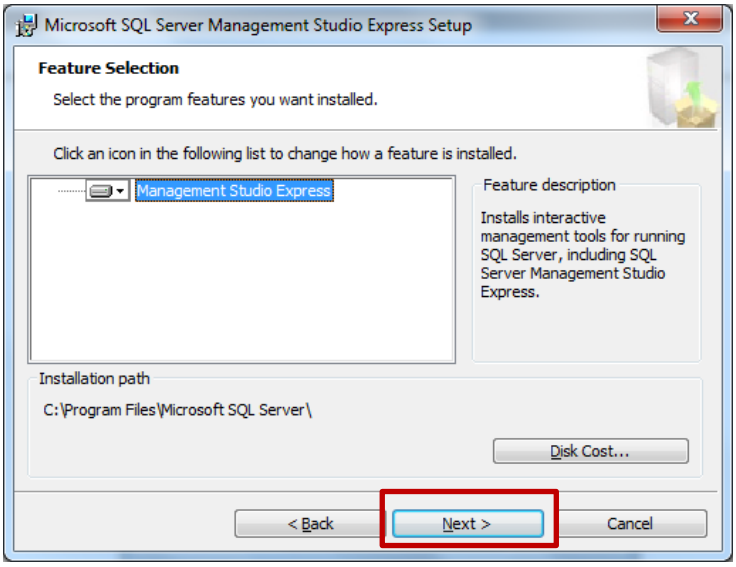
2. The wizard will calculate if you have enough space on your hard drive to install the management studio once complete click [**Next**].



3. You will be presented with the license agreement screen as above, select the [**I Accept**] radio button and click [**Next**].



4. Enter a name in the name field and click [**Next**].



5. The screen above will show you what is being installed, change nothing and click [**Next**].

6. Management Studio is now ready to install, Click the [**Install**] button.

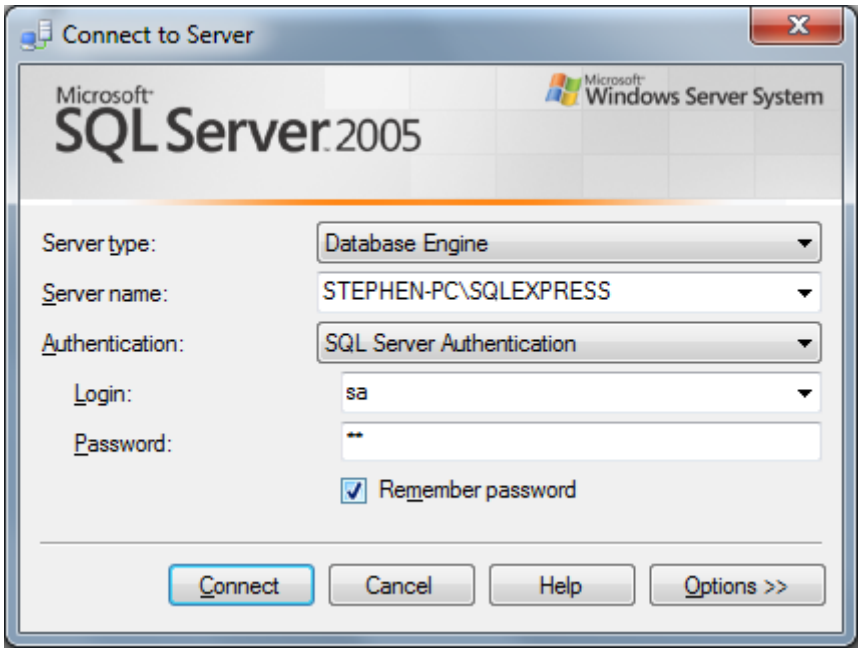
7. Management studio will being installing, this can take up to 30 minutes.

8. Once complete click [**Finish**].

3.5 - Configure SQL Server and Restore Databases

Now that SQL and management studio have been installed successfully we can now begin to install our databases and configure SQL Server for use with the server. From your start menu locate and open [**SQL Server Management Studio**].

When it has loaded you will be presented with the following screen.



Make note of the [Server Name] for future use, and in the authentication box Select [**SQL Server Authentication**], and enter the username and password you set up during the SQL installation.

3.5.1 – Restoring the Databases

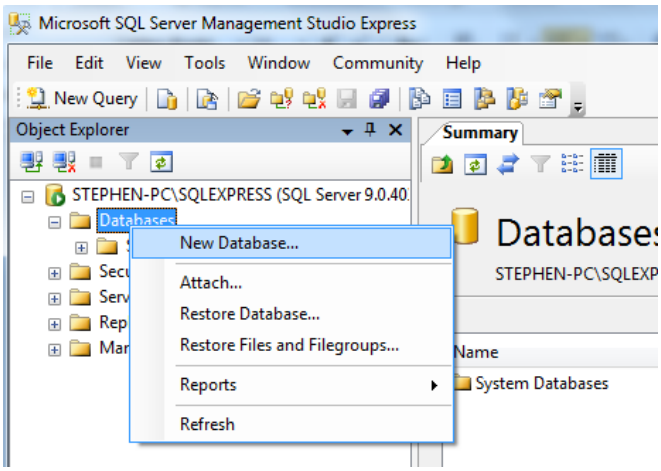
We have five databases that must be restored to SQL server for use in the server, these are located in the [**MirServer**] folder inside a folder names [**SQL Backups**].

Name	Date modified	Type	Size
LOM2Account.bak	01/01/2006 01:20	BAK File	3,422 KB
LOM2Game.bak	01/01/2006 01:20	BAK File	2,983 KB
LOM2Manage.bak	01/01/2006 01:20	BAK File	1,501 KB
LOM2Market.bak	01/01/2006 01:20	BAK File	1,693 KB
LOM2Res.bak	01/01/2006 01:21	BAK File	3,643 KB

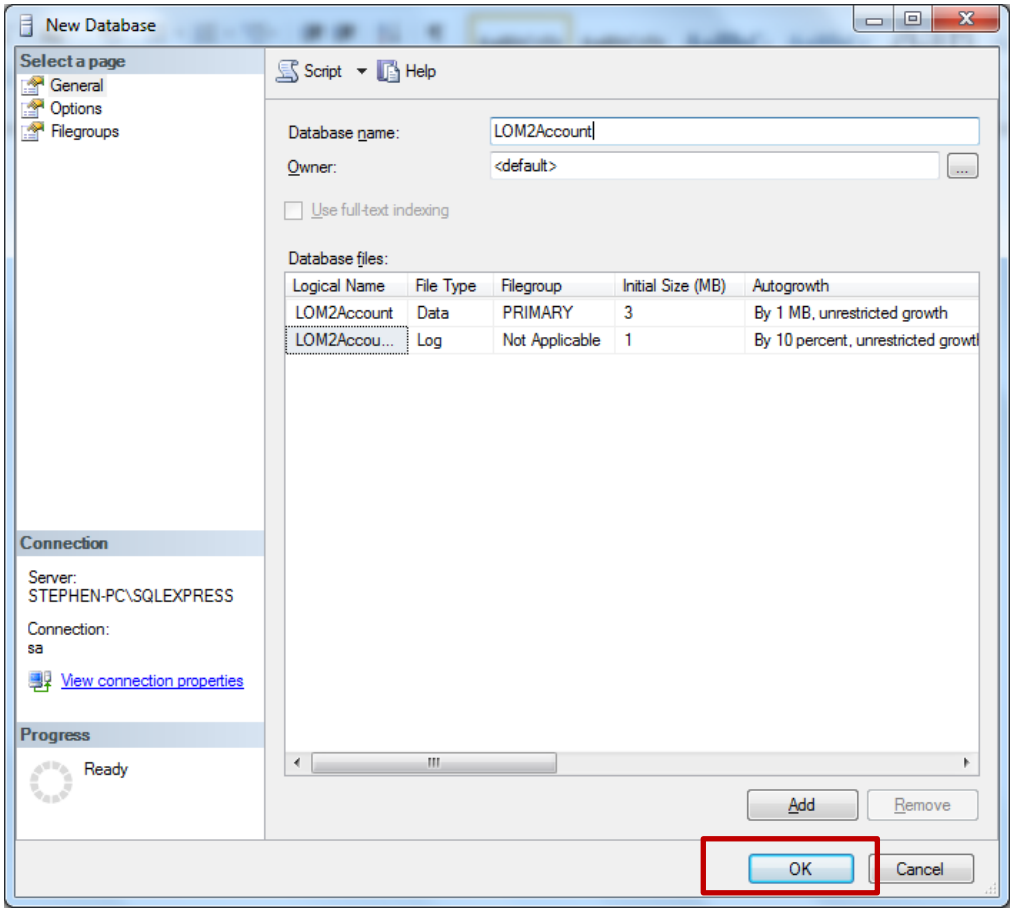
Make sure you have all of the above database backups before continuing.

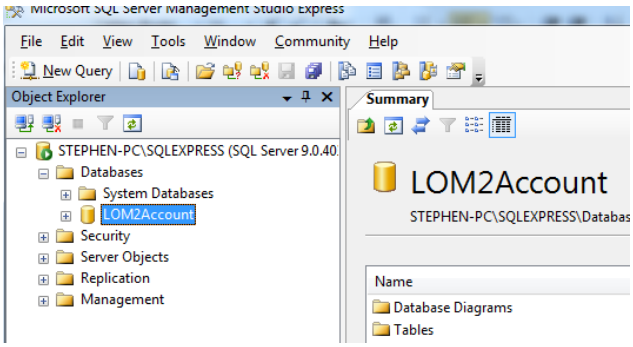
The below steps should be repeated for all five database backups.

1. Right click on the [**Databases**] node in the tree menu on the left hand side in SQL Management studio, and click [New Database] as shown in the image below.

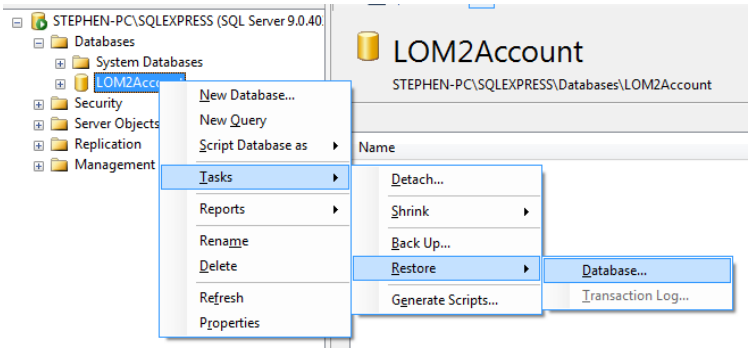


2. Type the name of the database you are going to restore for example in the screenshot below I will restore [**LOM2Account**], and then click [**OK**].

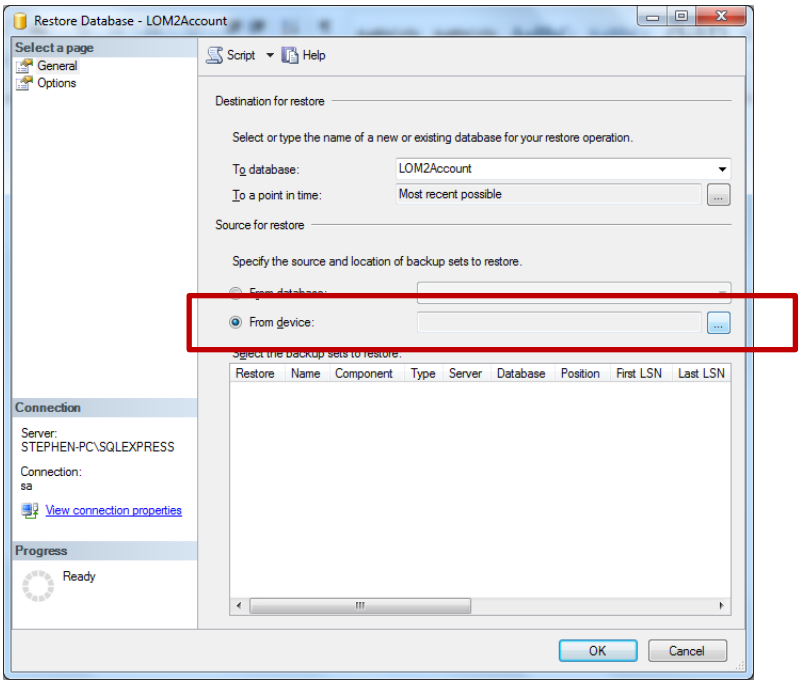




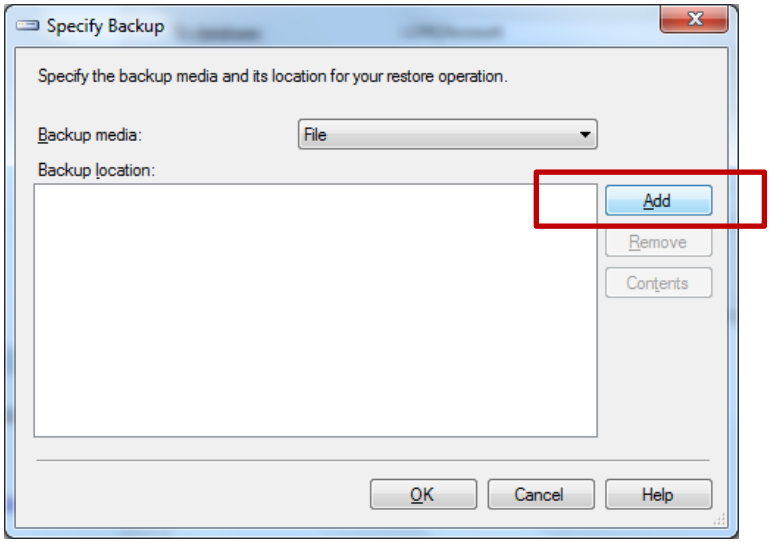
3. Once complete you will notice that the database is now present in the database object explorer as above.



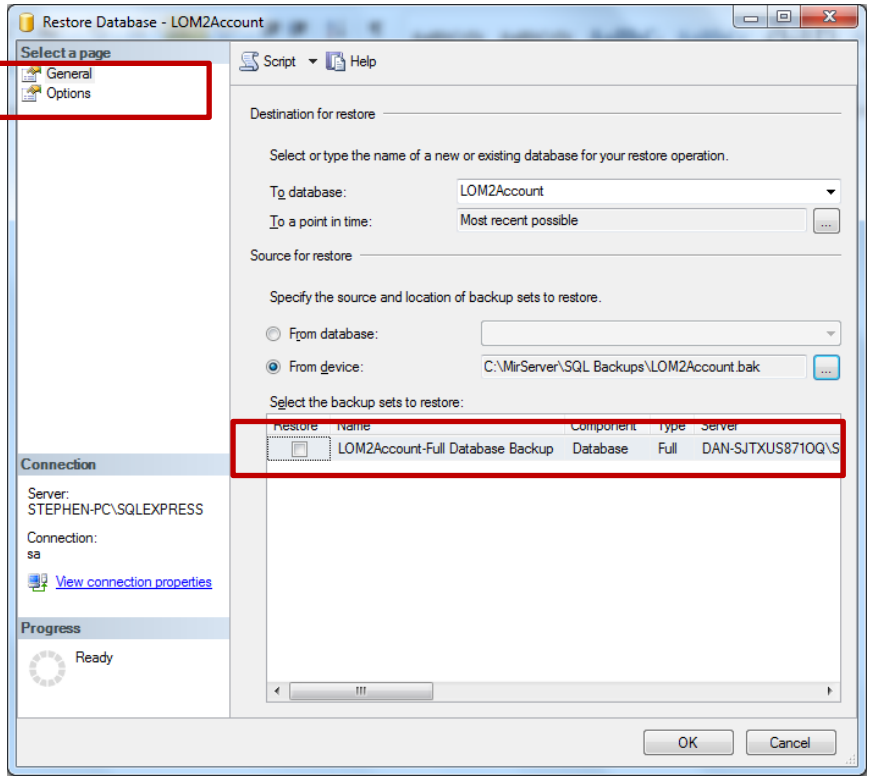
4. Right click on the database you created and navigate to [**Tasks > Restore > Database**] and click.



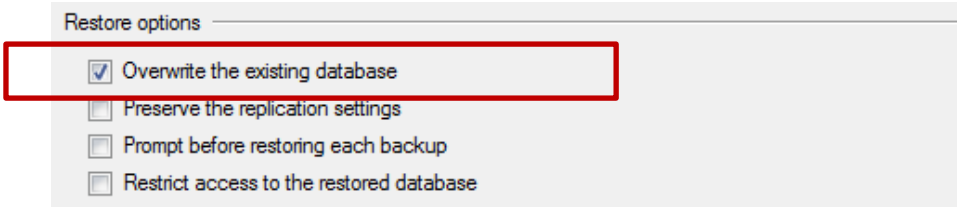
5. A new window will open. Select the [**From Device**] radio button as shown above and then click [**…**] to brown for the backup.



6. Click on [Add] to browse for your SQL Backups, once the browser opens navigate to the folder with your backups and select the one you wish to restore and click [OK] and [OK] again.



7. Once back on this screen make sure to tick the box shown above, and then click on [**Options**] on the left hand menu.



8. Tick the [Overwrite the existing database] option and then click [OK], SQL will restore the database.

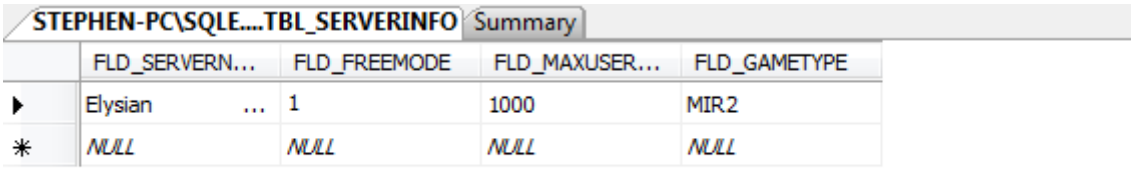
9. Repeat steps 1 to 8 for all of the databases.

3.5.2 – Configuring the Databases

We now have to make several configurations to the databases so they can interact with our server, follow the steps below to make these configurations.

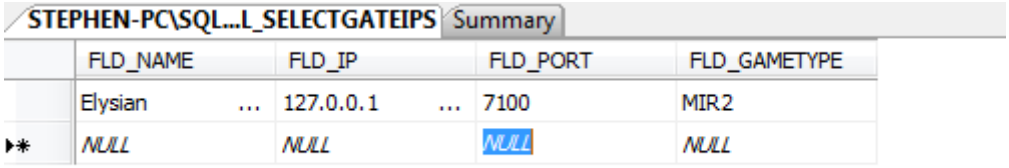
1. From the object explorer on the right expand the [**LOM2Account**] database and then expand the [**Tables**] folder.

2. In the tables folder you will see a table named [TBL_**SERVERINFO**], right click on it and select [**Open Table**].



3. This will open up the table and show you the information above, change the server name to the one you put in the [**!setup.txt**] file earlier and then click on the [**Save**] icon in the menu to save the changes.

4. Open the [**TBL_SELECTGATEIPS**] table.



5. Enter your server name and server IP Address and click [**Save**].

STEPHEN-PC\SQLE... dbo.TBL_PUBIPS | STEPHEN-PC\SQL...L_

FLD_PUBIP	FLD_DESCRIPT...	FLD_GAMETYPE
127.0.0.1 ...	LoginGW	MIR2
NULL	NULL	NULL

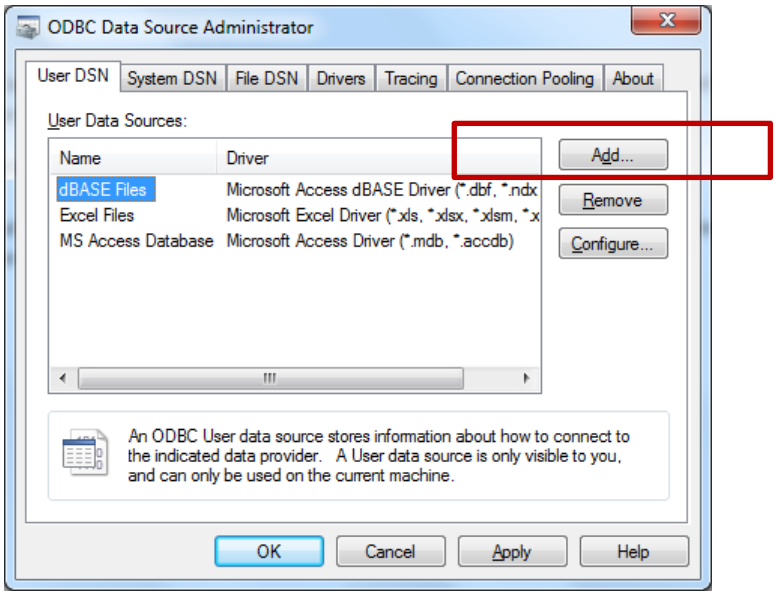
6. Open the [**TBL_PUBIPS**] table and insert your servers IP Address.

3.6 - Configure ODBC Connections

You need to setup an ODBC connection that will expose your SQL Server databases so that they can be read from the DB Server and Login Server to do this follow the steps below.

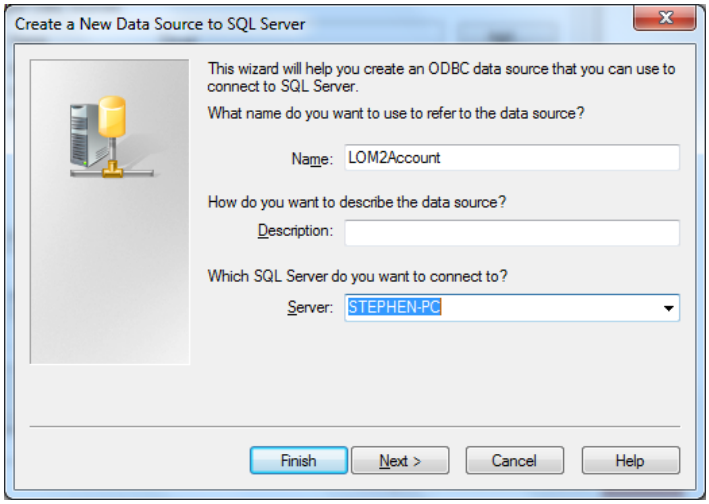
1. Navigate to your control panel and select [**Administrative Tools**].

2. There will be an application called [**Data Sources (ODBC)**] open this and the ODBC admin tool will open up.



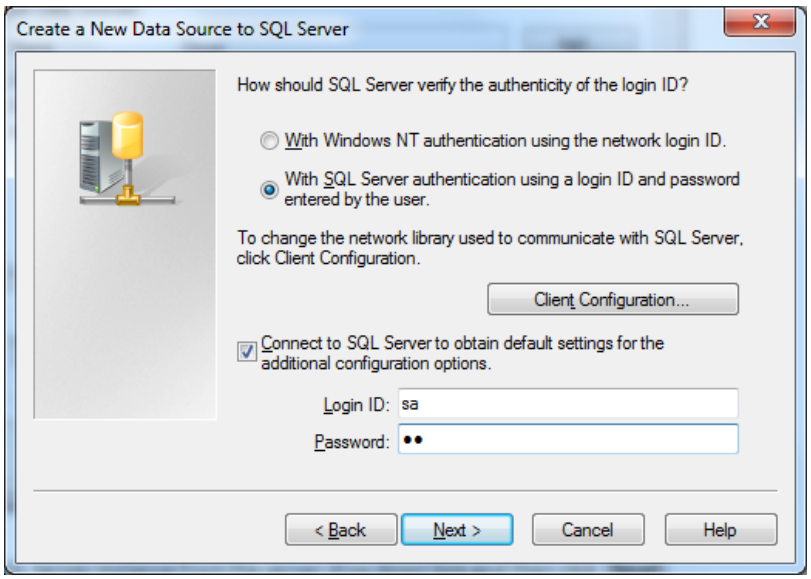
3. Select the [Add] as shown in the image above.

4. From the List on the next screen scroll to the bottom and select [**SQL Server**] and click [**Finish**].

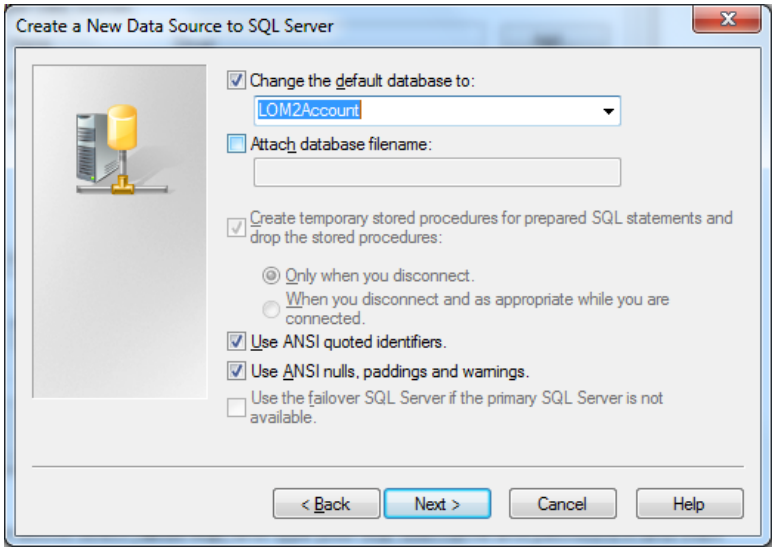


5. Type the name of the database on this occasion I will use [**LOM2Account**].

6. Enter the name of your SQL Server instance in the drop down box and then click [**Next**].



7. On the screen above select [**With SQL**] and type your SQL username and password in and then click [**Next**].



8. Select the [**Change the default**] checkbox and select the database [**LOM2Account**] or whichever on you are doing.

9. Click [**Next**] and then Click [**Finish**] and then [**OK**].

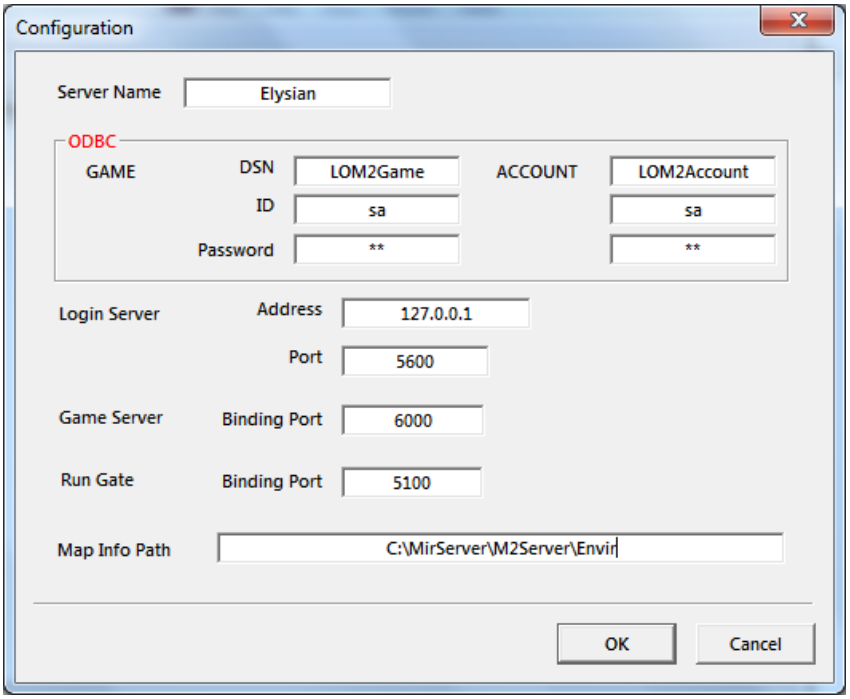
10. Repeat these steps for [**LOM2Game**] and [**LOM2Manage**].

4 – Configure DB Server and Login Server

4.1 – Configure the DB Server

The DB Server must be configured to point to the ODBC connections that we made earlier.

1. From your [**MirServer**] folder open the [**DBSrv**] folder.



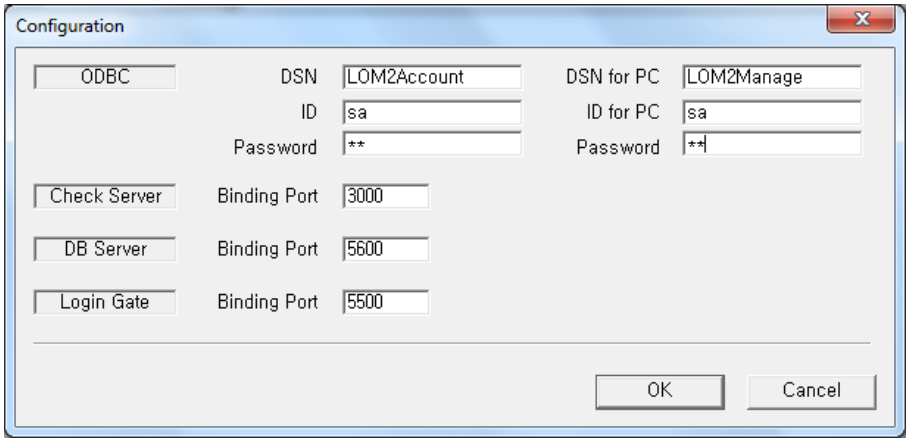
2. Enter the relevant information including your server name and IP Address your SQL username and password and the path to your [**MapInfo.txt**] file.

3. Click [**OK**].

4.2 – Configure the Login Server

1. From your [**MirServer**] folder open the [**LoginServer**] folder.

2. Open the [**LoginServer.exe**].



3. Inset the information above changing the username and password to you own SQL username and password that you made earlier

4.3 – Configure the M2Server DB Files

This is the final stage in the setup process, where we configure the DB items in the [**M2Server**].

1. Navigate to your [**M2Server**] folder from the [**MirServer**] folder.

2. Open the file named [**DBSetup.txt**].

3. Under the [**Server Name**] variable type the name of your SQL server.

4. Then below in the [**USER NAME**] and [**PASSWORD**] variables type your SQL username and password.

5. Save and close the file.

6. Open up [**DBSql.txt**].

7. This file contains your connection string to SQL Server, in the highlighted fields below, enter your Server name, SQL username, SQL password and SQL server name.

Elysian=Provider=SQLOLEDB.1;Password=**sa**;Persist Security Info=True;User ID=**sa**;Initial Catalog=LOM2Market;Data Source=**STEPHEN-PC\SQLEXPRESS**

End of Document