



SECURITY SYSTEMS

SECUSYS 2000

Integrated Security System Software

Software Version 3

User Manual

Part A – Chapters 1 to 6

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Chapter 1 Introduction

1.1 SECUSYS - Overview

SECUSYS has its head office in Hong Kong with manufacturing in China and is a manufacturer and supplier of high quality, low cost Integrated Security Systems. These include multiple ranges of access controllers and car parking systems. The SECUSYS web site is www.secusysgroup.com.

1.2 Software Overview

The SECUSYS 2000 Integrated Security Systems Software comprises a suite of software products that covers the complete range required by access control professionals. The software includes not only the Access Control base software itself, but also includes Intruder Detection, CCTV Management, Car Parking, Card Design and Print, Canteen and Guard Tour modules all integrated with the Access Control software. The licensing for these additional modules is by way of Hardware Key. This manual covers the Access Control base software itself plus all the modules unless indicated otherwise. If a function shown is not available in the software being used it is because the particular module is an optional module and has yet to be licensed and installed.

1.3 Database

The SECUSYS 2000 Integrated Security Systems Software is Multi-Language and Multi-Database. During the installation process, the user is asked to select between languages. Users are also asked to select the type of database they wish to use. A Microsoft Access database is supplied for demonstration purposes and installer testing while Microsoft SQL is used for the end user. The two free SQL versions of Microsoft SQL are either MSDE which is used for Windows XP, or Microsoft SQL Server Express which is used for both the 32 bit and 64 bit versions of Windows 7. However licensed installations of Microsoft SQL Server 2005 or later are preferred.

1.4 Web & FTP Sites

Although software is supplied on a CD or Memory Key at the time of purchase, because of enhancements and bug fixes, software very quickly goes out of date. To make it easier for the installer, up to date software is located on the SECUSYS FTP site which is accessible to installers through the main SECUSYS web site at www.secusysgroup.com.

Chapter 2 Software Installation

2.1 Computer Requirements

The SECUSYS 2000 Integrated Security Systems Software is integrated door access, CCTV and intruder detection management software designed to run on a Microsoft Windows platform. The software is designed to run on either Microsoft XP SP3, or 32/64 bit versions of the Windows 7 operating systems. It should not be used on any Microsoft operating systems prior to Microsoft XP SP3.

The following is the minimum computer requirement:

- CPU: Intel Core 2.67 GHz
- Free 10 Gbyte Hard Disk space
- RAM : 4 Gbyte
- VGA : 1024 x 768 pixels
- One free RS-232 Serial Port
- One free USB Port

2.2 SECUSYS 2000 Installation for Microsoft XP & Windows 7

Power up the computer and start Windows.

Insert the setup CD or the USB memory key containing the software.

Double Click on the “My Computer” icon and select your CDROM or your USB drive.

Two files will be visible (figure 2-2-1), a small text file called “SN.txt” and an exe file called “SECUSYS 2000 Integrated Security Systems software.exe”.

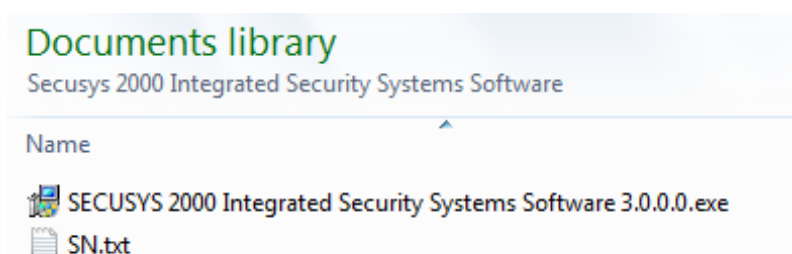


Figure 2-2-1

It is strongly recommended that a “Security” directory is created on C Drive and these 2 files plus any other security related files are saved to this folder. The installation is then undertaken from this folder.

Double click on the “SECUSYS 2000 Integrated Security Systems Software.exe” file, allow the program to run, and the setup screen will appear (figure 2-2-2). Click “Next” to continue.

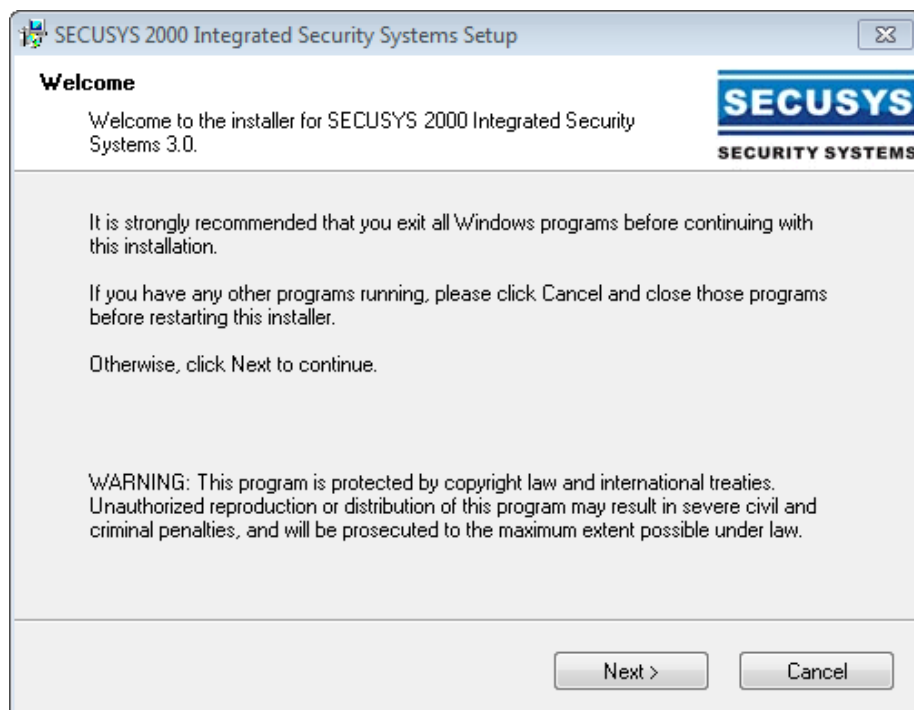


Figure 2-2-2

Agree to the terms of the License Agreement and click “Next” to continue (figure 2-2-3).

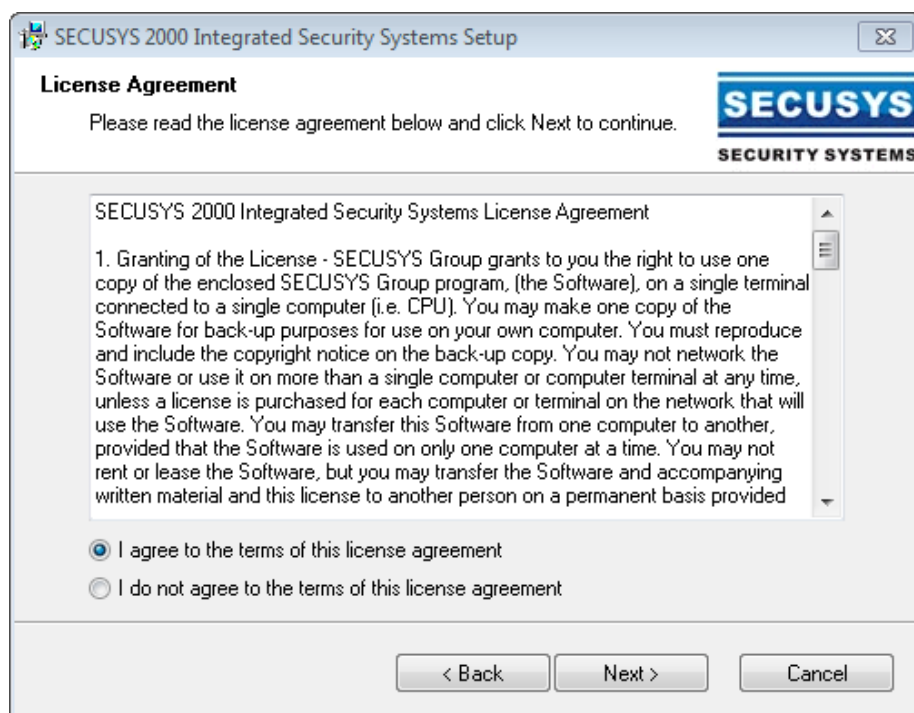
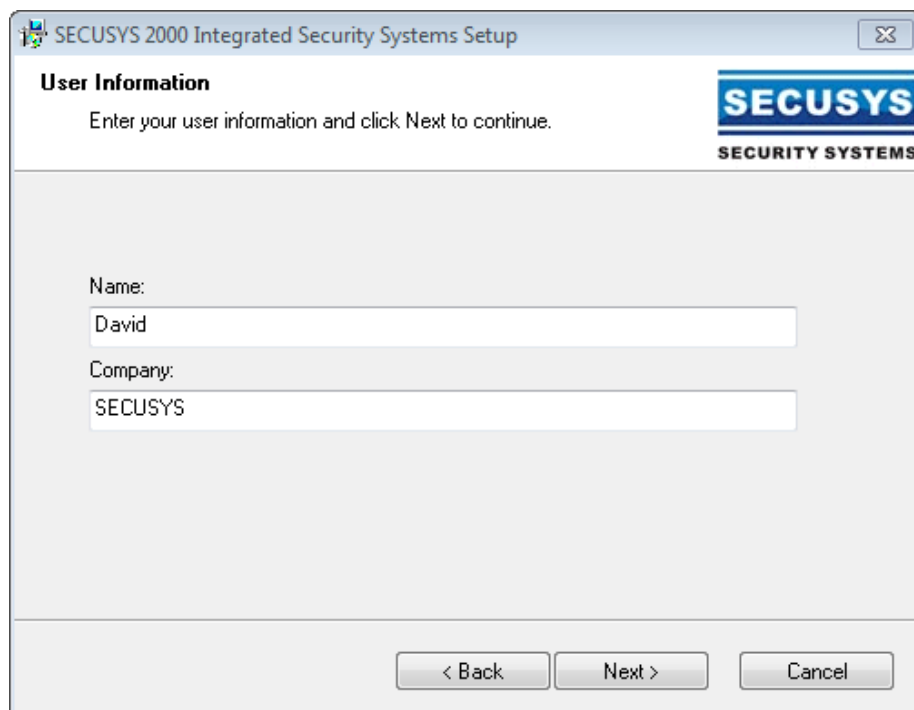


Figure 2-2-3

Enter your user name and company then click “Next” to continue (figure 2-2-4).



The screenshot shows the 'User Information' window of the SECUSYS 2000 Integrated Security Systems Setup. The window title is 'SECUSYS 2000 Integrated Security Systems Setup'. The main heading is 'User Information' with a sub-instruction: 'Enter your user information and click Next to continue.' The SECUSYS logo is in the top right. There are two text input fields: 'Name:' with the value 'David' and 'Company:' with the value 'SECUSYS'. At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'.

Figure 2-2-4

Click “Next” to continue at the list of compatible controllers (figure 2-2-5).



The screenshot shows the 'Information' window of the SECUSYS 2000 Integrated Security Systems Setup. The window title is 'SECUSYS 2000 Integrated Security Systems Setup'. The main heading is 'Information' with a sub-instruction: 'Please read the information below and click Next to continue.' The SECUSYS logo is in the top right. A text area contains the following text: 'This SECUSYS 2000 Integrated Security Systems Software is compatible with the SECUSYS Series of Access Controllers as follows:' followed by a list of models: SECUSYS Model SCD12, SECUSYS Model SCD22, SECUSYS Model SCD44, SECUSYS Model SCD48, SECUSYS Model SCD88, SECUSYS Model SCL161, SECUSYS Model SCID168, and SECUSYS Model SCD419. At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'.

Figure 2-2-5

A serial number is required to proceed (figure 2-2-6).

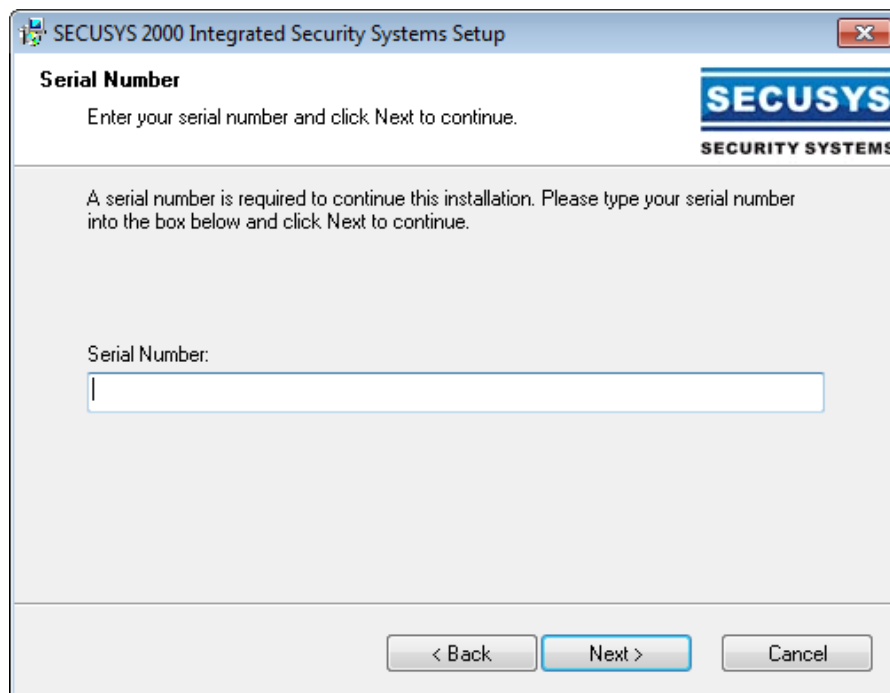


Figure 2-2-6

Open the SN.txt file (figure 2-2-1) and the Notepad screen will appear (figure 2-2-7). Copy and paste the serial number into the software (figure 2-2-8).

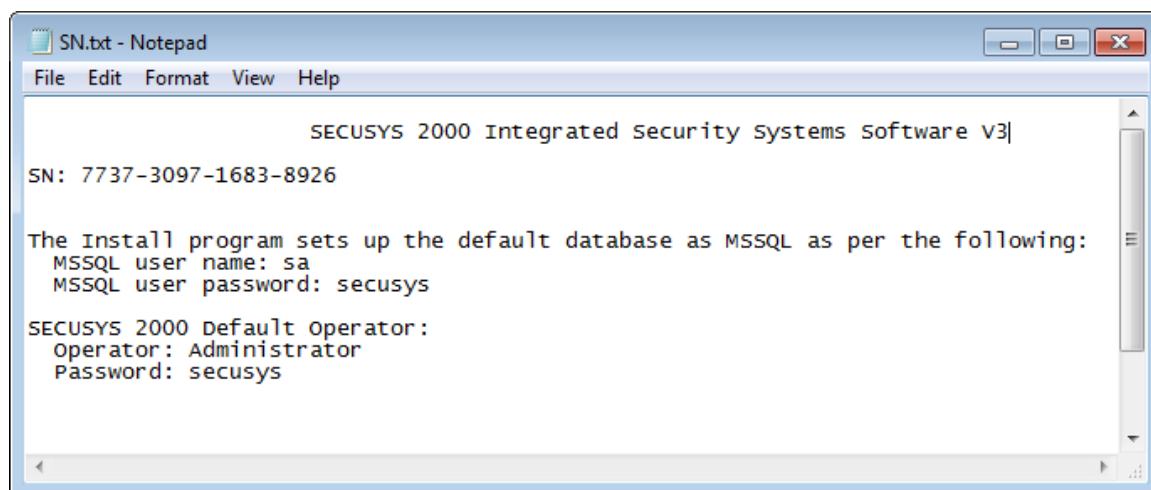


Figure 2-2-7

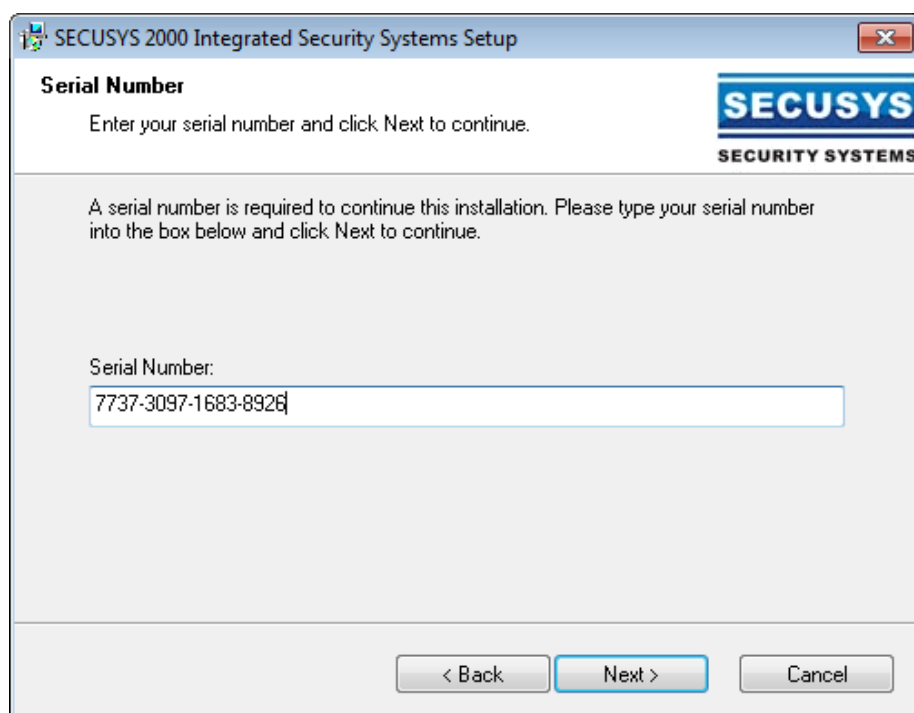


Figure 2-2-8

The software can be installed either as a Server or a Client. The first installation must be the Server. Make sure that Server is selected then click "Next" to continue (figure 2-2-9). For a Client Installation please refer to Section 2-10.



Figure 2-2-9

Select the features that are required. For the Base Access Control module then this will normally be the 1st option only (figure 2-2-10)

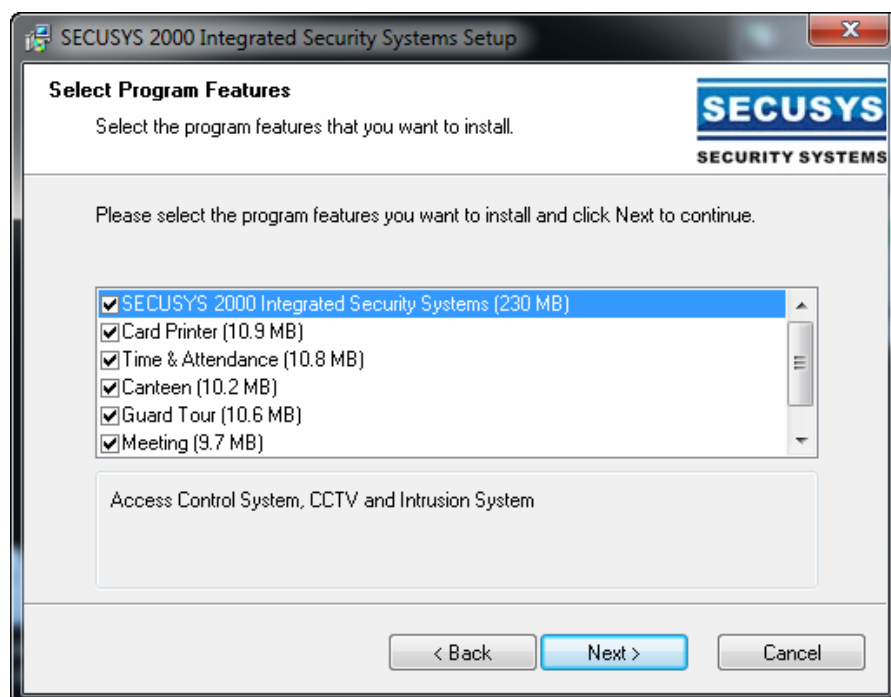


Figure 2-2-10

Click Next to install the software into the default directory or change the path then click Next (figure 2-2-11)

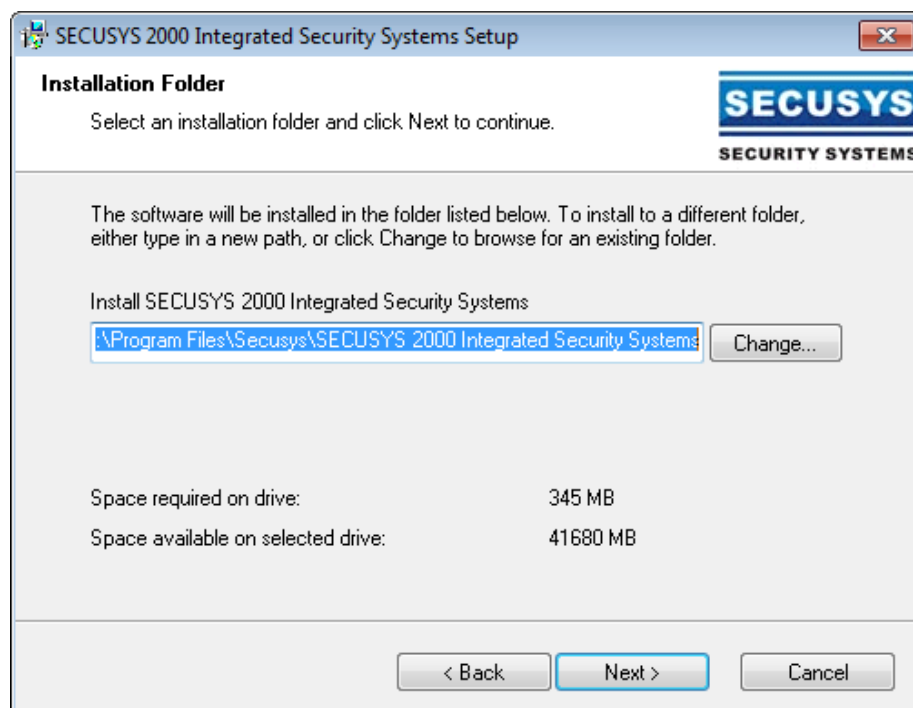


Figure 2-2-11

Click Next to accept the default folder (figure 2-2-12)

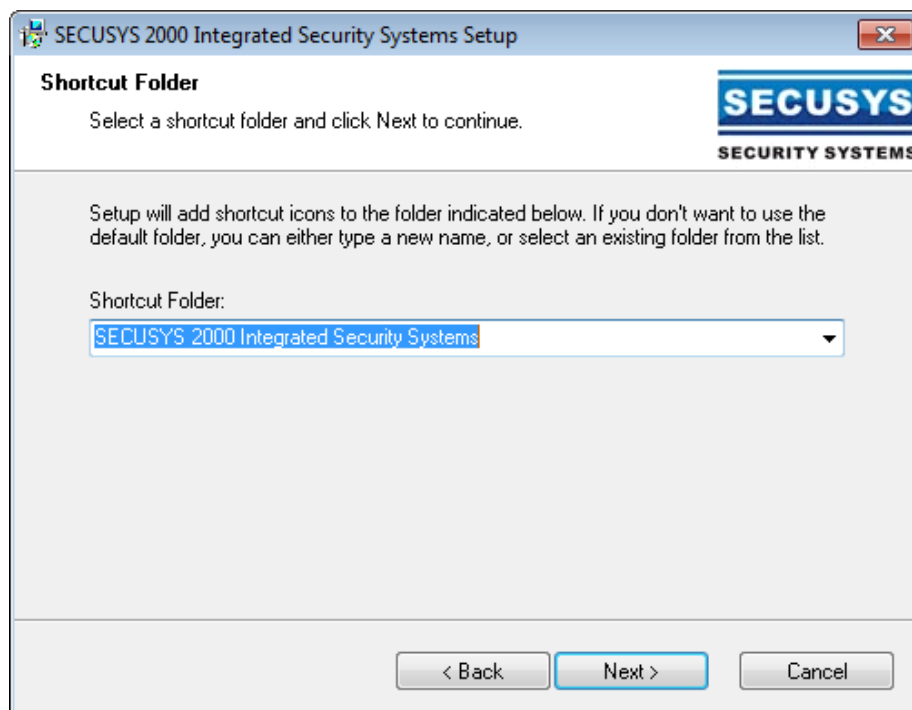


Figure 2-2-12

Click Next to proceed (figure 2-2-13)



Figure 2-2-13

The initial software will install in 2-3 minutes however after that there are several options and these are explained in the following sections.

2.3 Installation Options – Hardware Key

The 1st option is for the Hardware Key. The software is protected by a Hardware Key or USB Dongle, also called a SoftDog Driver. If this is the 1st time the software is being installed then the drivers must be loaded so click “Yes” to continue (figure 2-3-1) If the software has already previously been loaded then click “No” to continue.

Note that the hardware key is required if the software is being installed on a single machine or on a server. The only time the hardware key drivers are not required is when the software is being loaded onto a client machine or where the demo version only of the software is being run.

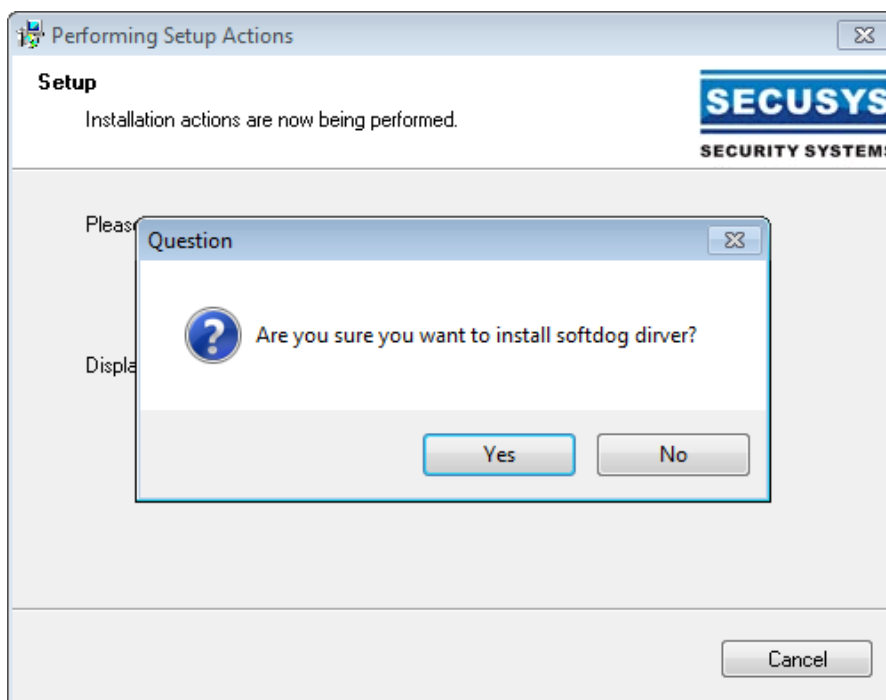


Figure 2-3-1

The software is shipped with a USB Hardware Key so untick the two Parallel Dog Driver boxes then click on the Install Driver icon at the bottom left of the screen (figure 2-3-2). Ignore the Windows Vista message if it appears when using Windows 7.

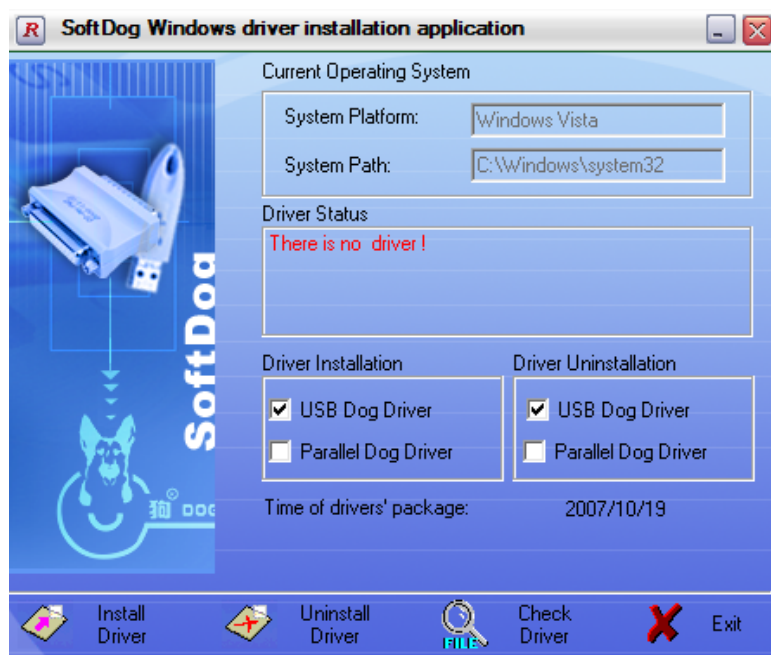


Figure 2-3-2

Once installed “The driver has been installed successfully” message will appear. Click Exit to proceed to the next option (figure 2-3-3)

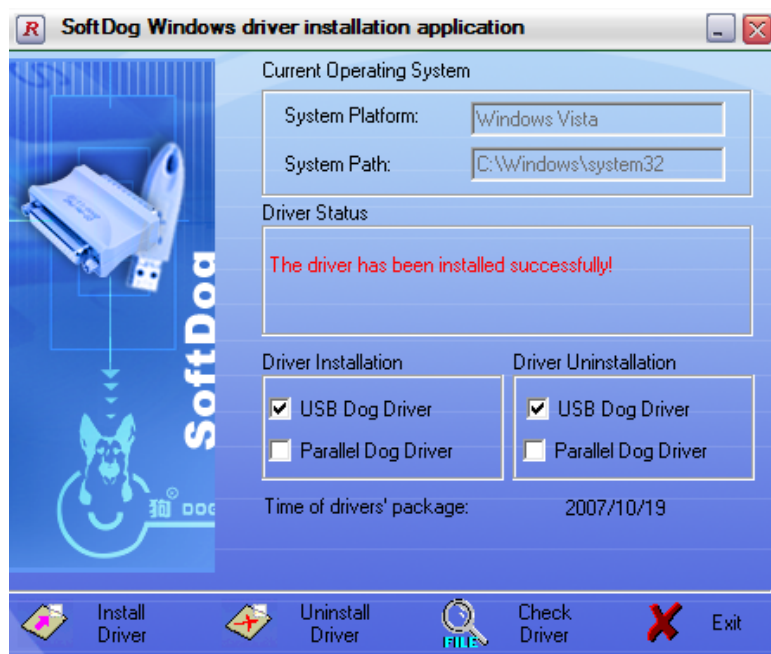


Figure 2-3-3

2.4 Installation Options – MSDE Database

The next option is the installation of MSDE. MSDE (Microsoft's Database Engine) is a cut down version of SQL and is bundled together with the SECUSYS 2000 Integrated Security System software. **However MSDE is only compatible up to and including Microsoft Windows XP. MSDE is not compatible with Microsoft Windows 7.** Note that because MSDE is a cut down version of SQL, it does not have any Import or Export function. So there is no way of exporting a MSDE database apart from backing it up and importing it into a SQL program. This is a limitation of MSDE which means that the Language Export Tools as detailed in Chapter 11 will not work with a MSDE Database.

Note that for demonstration and training purposes a Microsoft Access database can be used. However Access can only be used for a single PC and should not be used in a live site. If an Access database is required for demonstration or testing or training purposes then click "No" (figure 2-4-1). It does not matter if MSDE is installed on a XP based machine and then MS Access is used. Only a single database can be used at any one time.

Click "Yes" to install MSDE on a Windows XP machine, otherwise click "No". **Refer to Section 2.8 for instructions on the database required for Windows 7.**

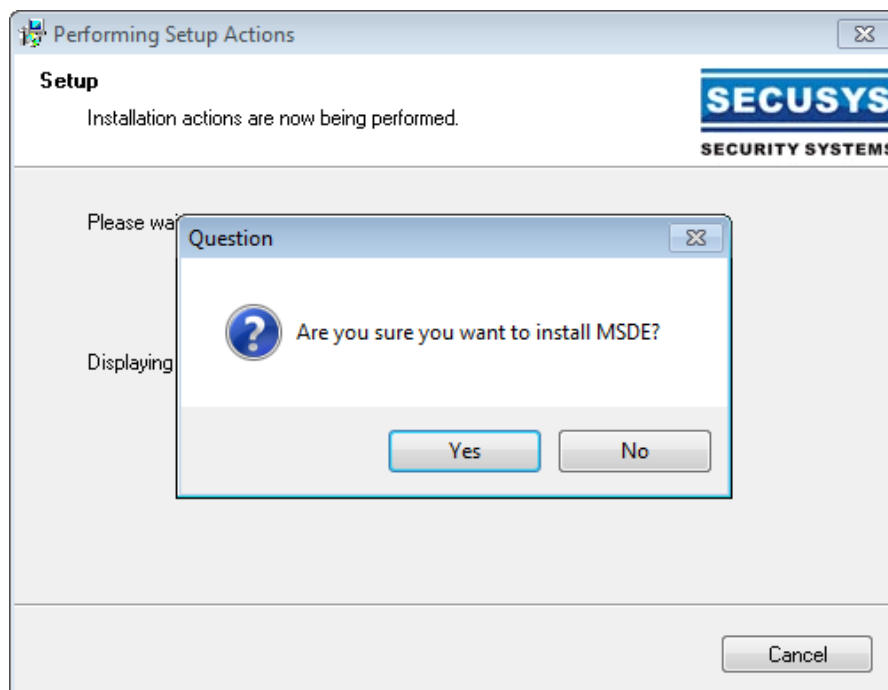


Figure 2-4-1

If “Yes” is selected (figure 2-4-1), on a machine running the Windows 7 Operating System be it 32 or 4 bit, a warning message will appear (figure 2-4-2).

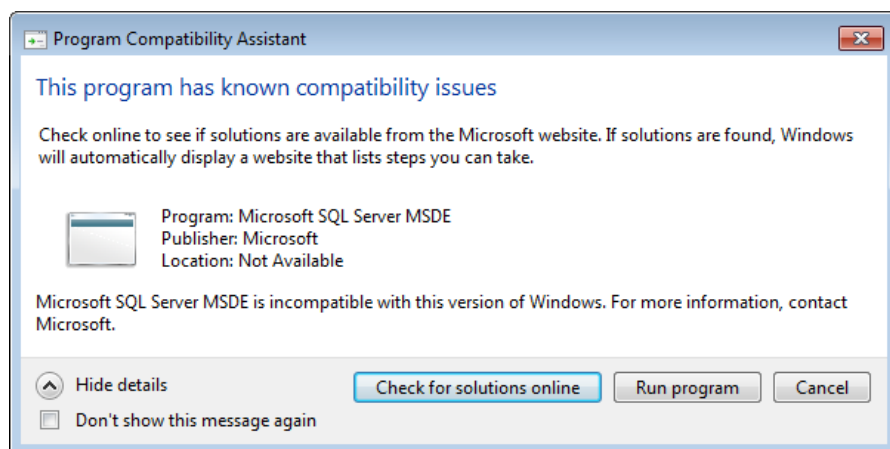


Figure 2-4-2

The MSDE installation should take less than a minute (figure 2-4-3)

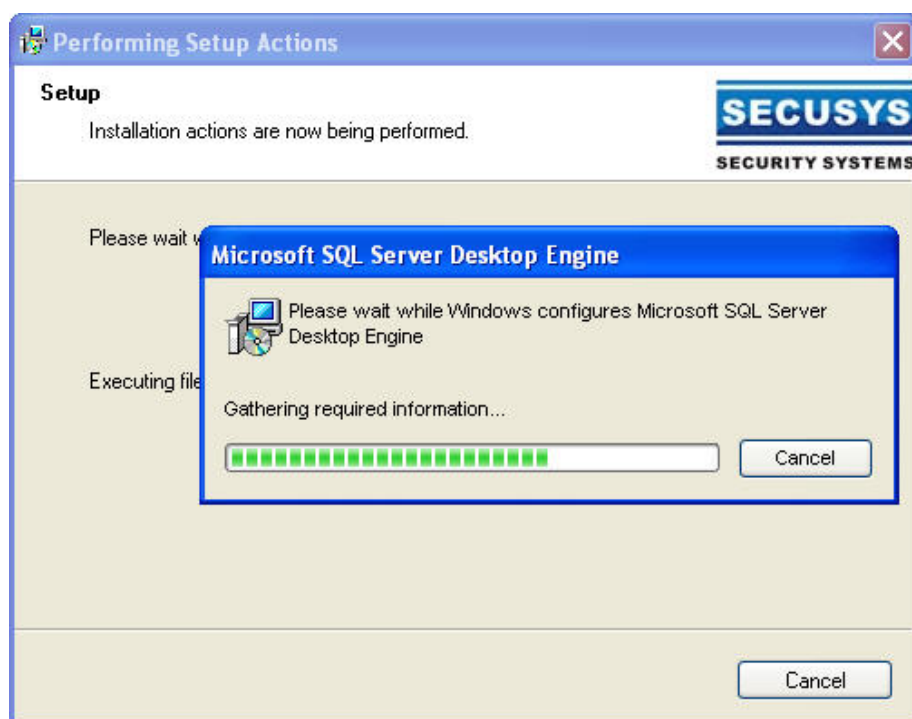


Figure 2-4-3

If the installation of MSDE was completed successfully then the question re the Fingerprint Reader drivers will appear (figure 2-5-1)

2.5 Installation Options - SECUSYS Fingerprint Drivers

The next option is the installation of the SECUSYS Fingerprint Reader (figure 2-5-1) Click “Yes” if the drivers for this reader are to be installed or “No” to proceed to the next option, Section 2.6

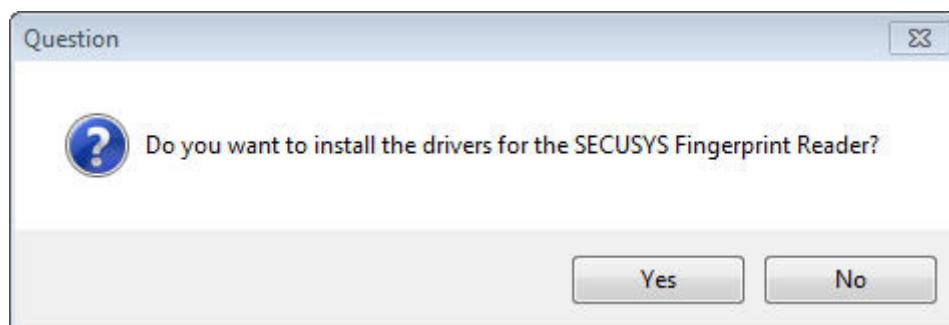


Figure 2-5-1

If “Yes” was selected at the previous window then the Install Shield Wizard for the FDU01 device driver will appear (figure 2-5-2). Click “Next” to continue.

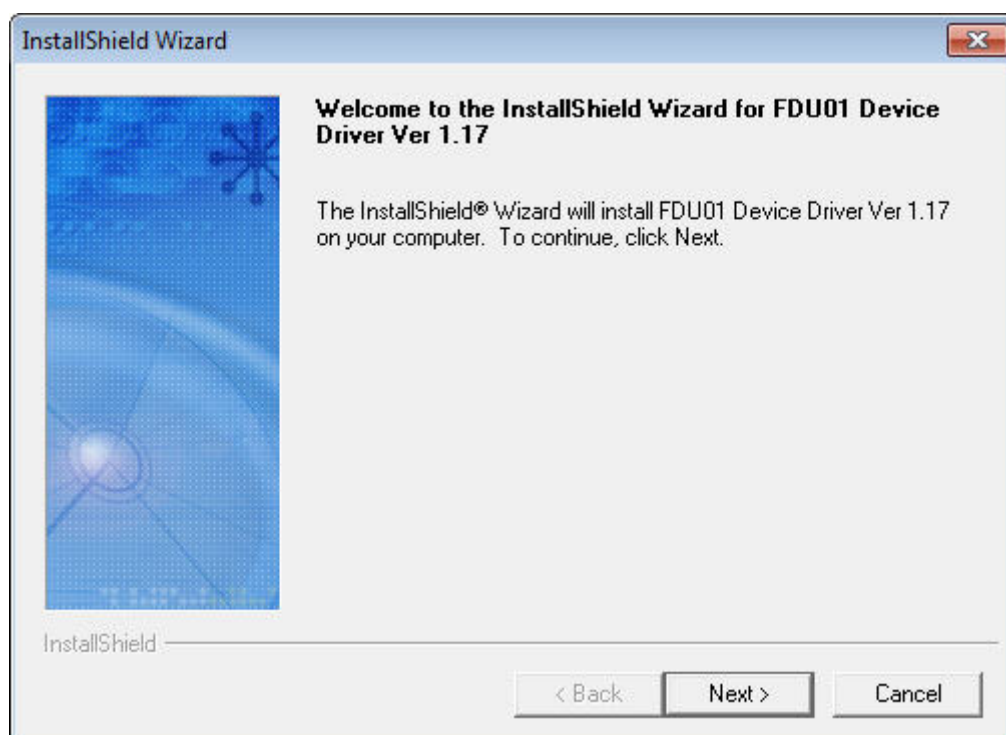


Figure 2-5-2

Accept the USB Hamster default value and then click “Next” to continue (figure 2-5-3)

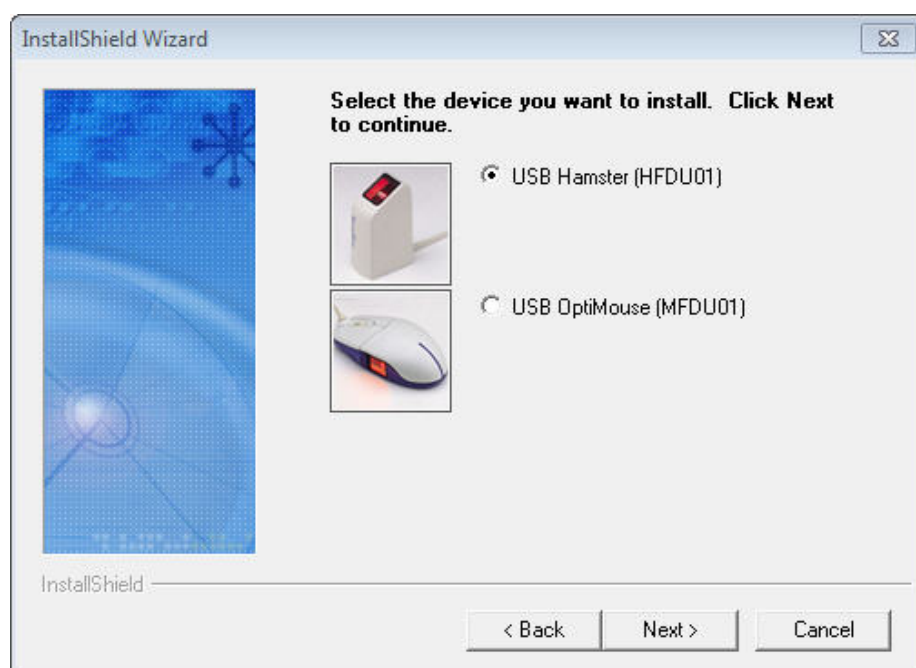


Figure 2-5-3

Click “Plug in Later” to continue (figure 2-5-4)

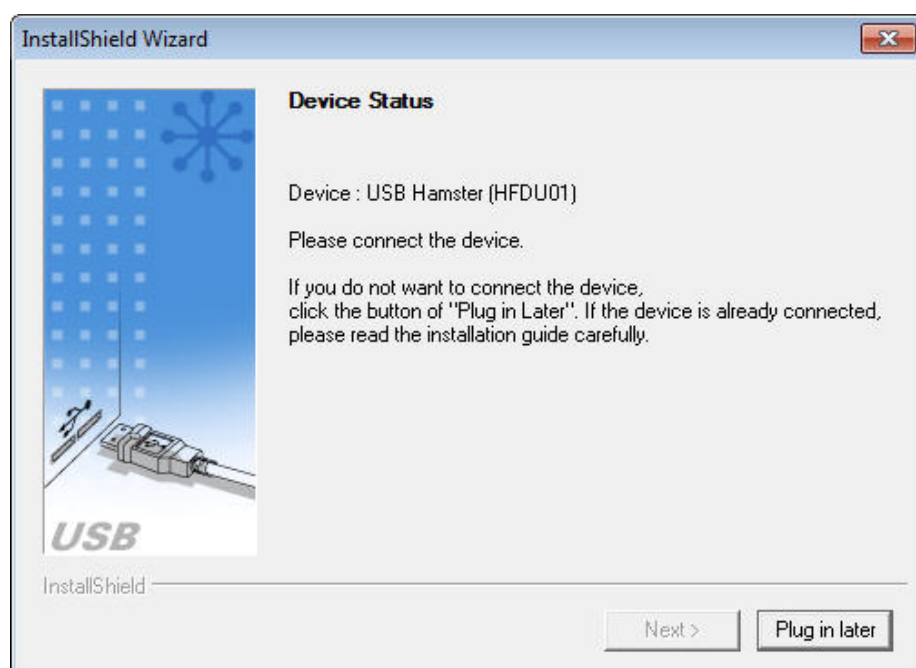


Figure 2-5-4

Click “Finish” to continue (figure 2-5-5)

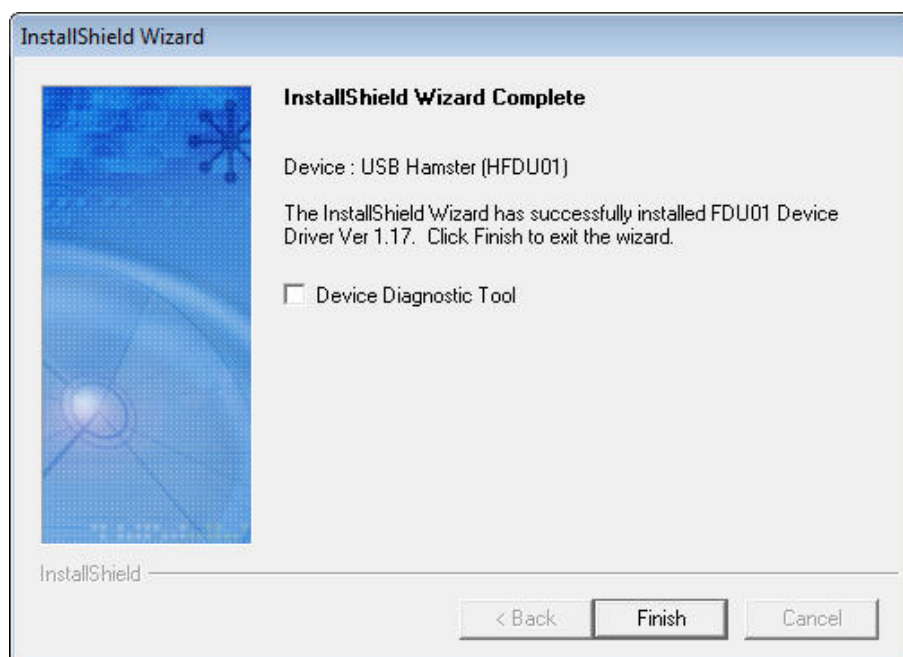


Figure 2-5-5

2.6 Installation Options - Win Pcap

If this is the 1st time that the software has been installed on this computer Win Pcap will be automatically installed (figure 2-6-1) If Win Pcap has already been installed then this will not appear and instead the “Installation Completed” screen will appear (figure 2-6-6)



Figure 2-6-1

Click “Next” to continue (figure 2-6-2)

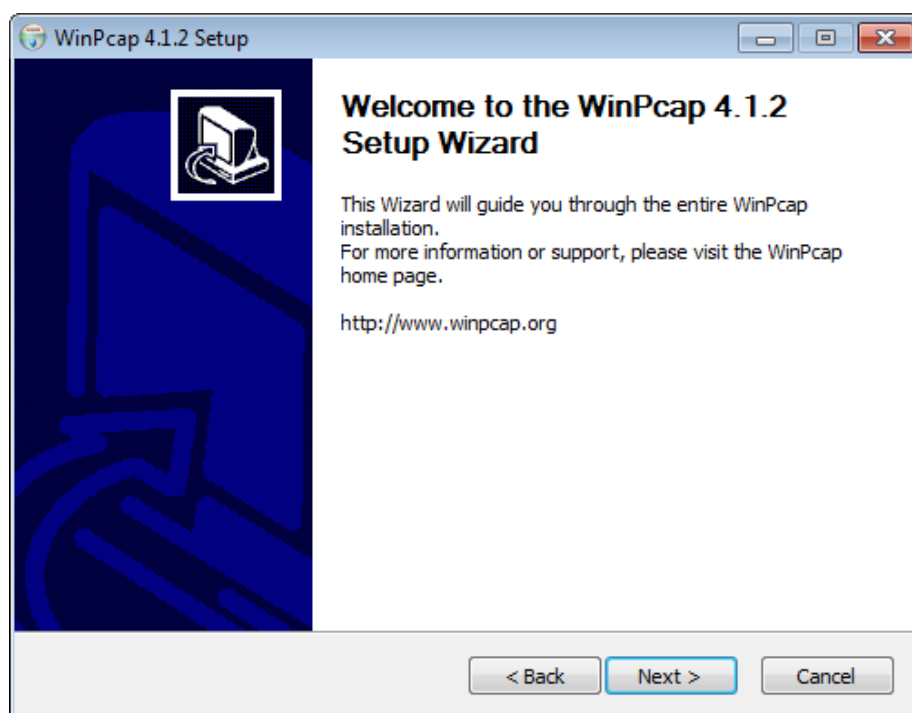


Figure 2-6-2

Click “I Agree” to continue (figure 2-6-3)

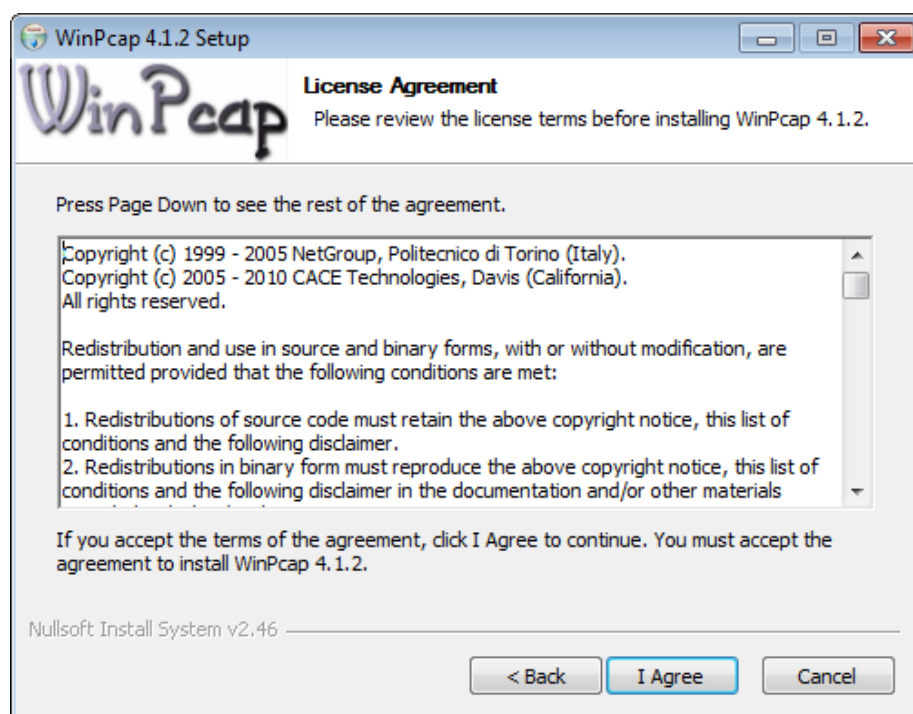


Figure 2-6-3

Tick the “Automatically start the driver box” then click “Install” to continue (figure 2-6-4)

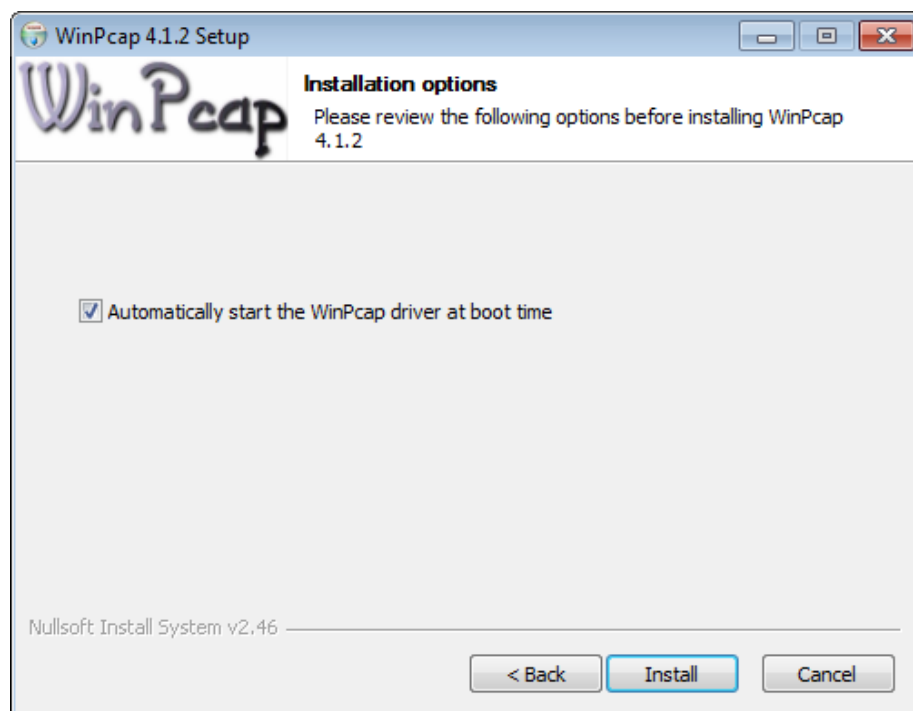


Figure 2-6-4

Click “Finish” to close the wizard (figure 2-6-5)

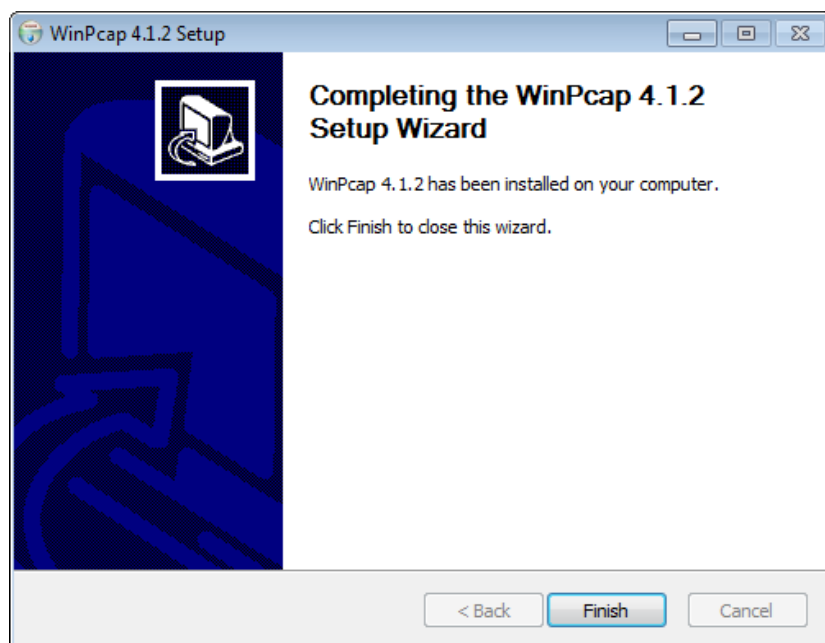


Figure 2-6-5

When the software has finished the installation click “Finish” to exit (figure 2-6-6). Note that the SECUSYS 2000 Integrated Security Systems Software icon is automatically added to the desktop. If SQL is required to be installed then the computer should be rebooted at this stage otherwise the SQL installation could issue a warning and the SQL installation could fail.

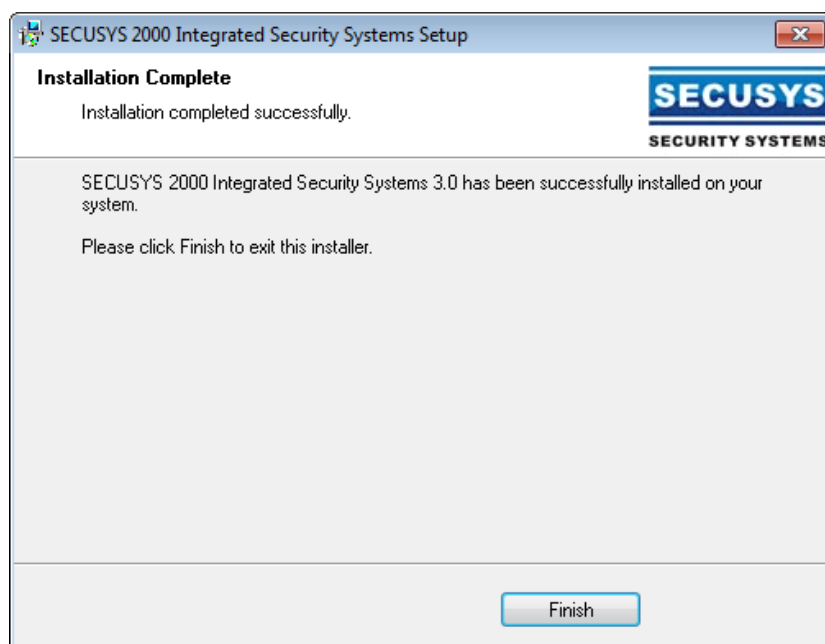


Figure 2-6-6

2.7 Microsoft.NET Framework (Dot Net)

Microsoft's MSDE Database engine is not compatible with Microsoft Windows 7. For the Microsoft Windows 7 Operating System Microsoft SQL must be used instead. If a licensed copy of Microsoft SQL 2005 or later is available then this can be used. Refer to the IT department on how to access this. If a licensed copy of Microsoft SQL is not available then the free version of Microsoft's SQL, SQL Server Express 2008 and associated files can be downloaded from the Microsoft web site and installed instead. Note that the downloading and installation of SQL Server Express is rather a complicated procedure and can take an hour or so to complete so it is far easier to use an already existing installation of Microsoft SQL.

If there is no licensed copy of SQL 2005 or later available and SQL Server Express is to be used then, **Microsoft .Net Framework needs to be downloaded and installed** prior to the installation of Microsoft Server 2008 Express.

2.7.1 Downloading of Microsoft .Net Framework

Microsoft .Net Framework and Windows Installer 4.5 are required. While Windows Installer is included from Windows XP SP3 onwards, Microsoft .Net Framework 4.0 needs to be downloaded and installed prior to the installation of Windows SQL Server Express. The links for information on these products are below:

- [Microsoft .Net Framework 4.0](#)
- [Windows Installer 4.5.](#)

To download Microsoft Net Framework click on the link below or visit the Microsoft download site.

<http://www.microsoft.com/downloads/en/details.aspx?FamilyID=0a391abd-25c1-4fc0-919f-b21f31ab88b7&displaylang=en>

Click on the download button to download the Microsoft.NET Framework V4 file (sometimes referred to as Dot Net) (figure 2-7-1-1) and save it to the "Security" folder.

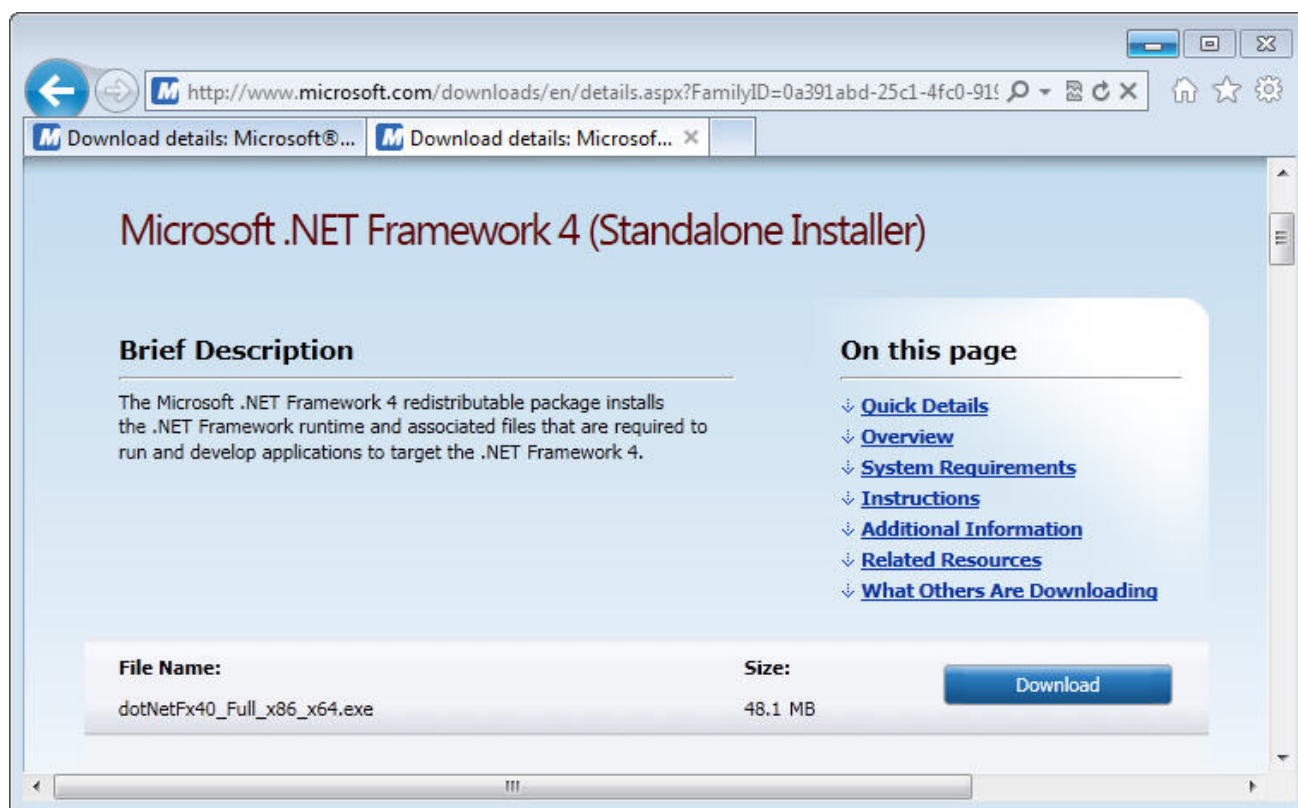


Figure 2-7-1-1

Windows Installer 4.5 is not required for Windows 7 but is required if the Windows Server Express 2008 is being installed on a PC running Microsoft Windows XP prior to SP3.

If Server Express is attempted to be installed without Microsoft.NET the following warning will appear (figure 2-7-1-2)

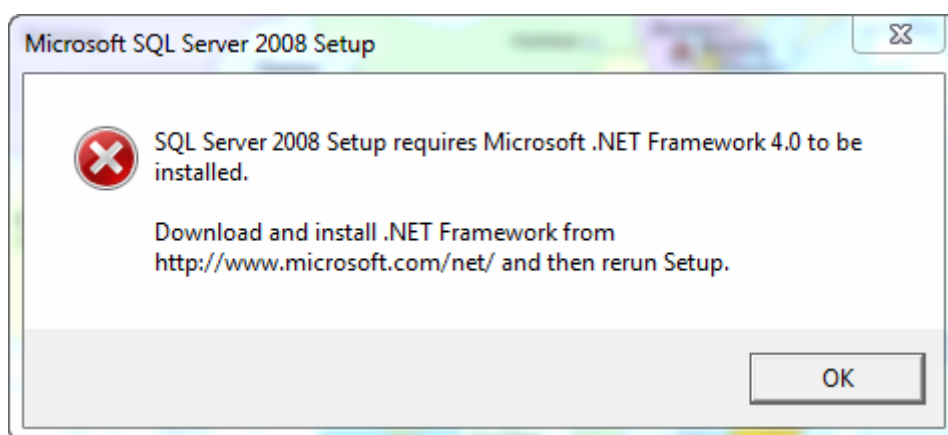


Figure 2-7-1-2

2.7.2 Installation of Microsoft.NET Framework

Microsoft .NET is required to be installed prior to Microsoft SQL Server Express. Navigate to the “Security” folder where the files from section 2.7 have been downloaded and click on the dotNetFx40_Full_x86_x64 file to install Dot Net (figure 2-8-2-1)

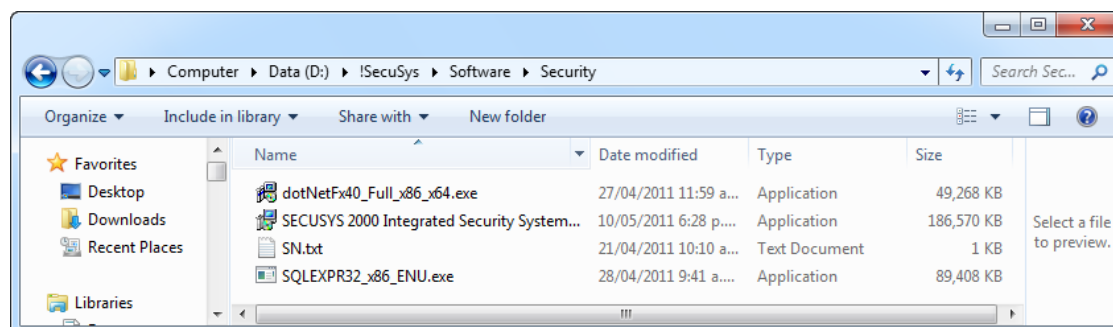


Figure 2-7-2-1

Click “Run” to proceed (figure 2-7-2-2)

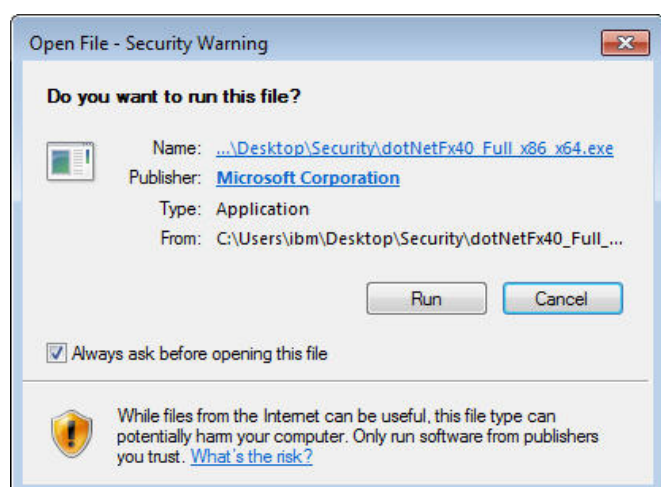


Figure 2-7-2-2

If Don Net has already been installed then the Microsoft .NET Framework maintenance screen will appear. Either click “Cancel” or if the installation is suspect click “Repair” to proceed (figure 2-7-2-3)

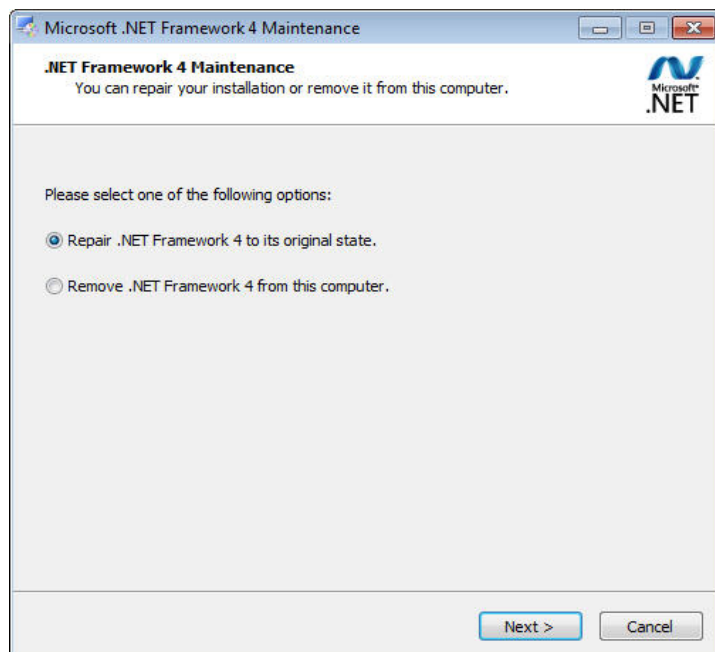


Figure 2-7-2-3

If Don Net has not previously been installed then the license terms screen will appear (figure 2-7-2-4). Tick the license terms box then click “Install” to continue.

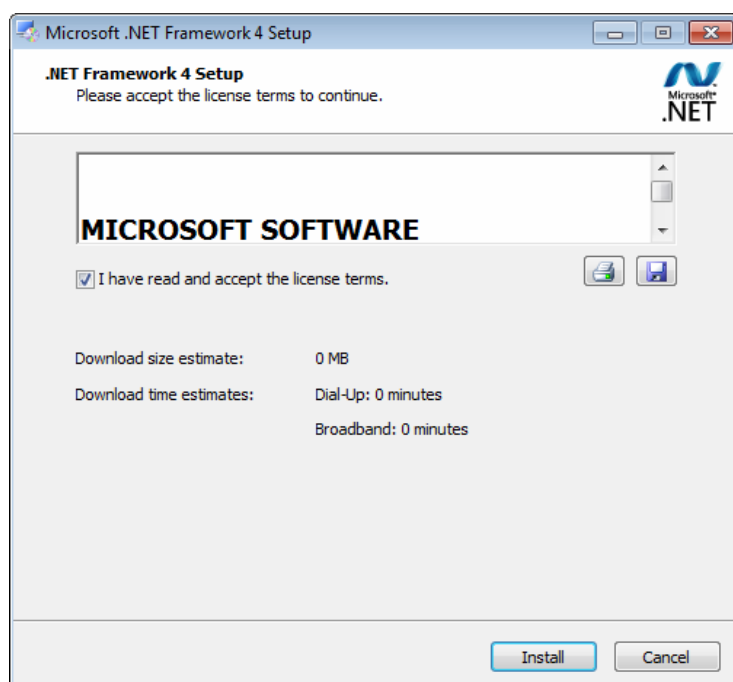


Figure 2-7-2-4

The installation could take several minutes (figure 2-7-2-5)

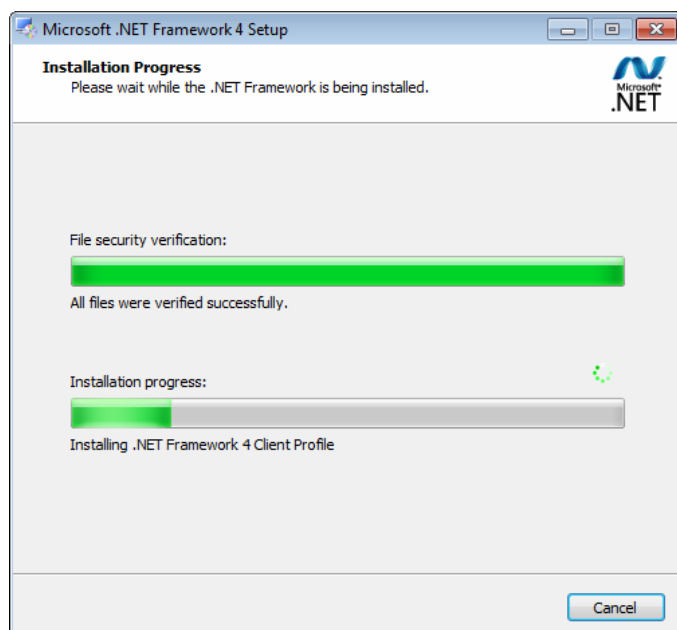


Figure 2-7-2-5

Click on the “Finish” button to exit the installer (figure 2-7-2-6)

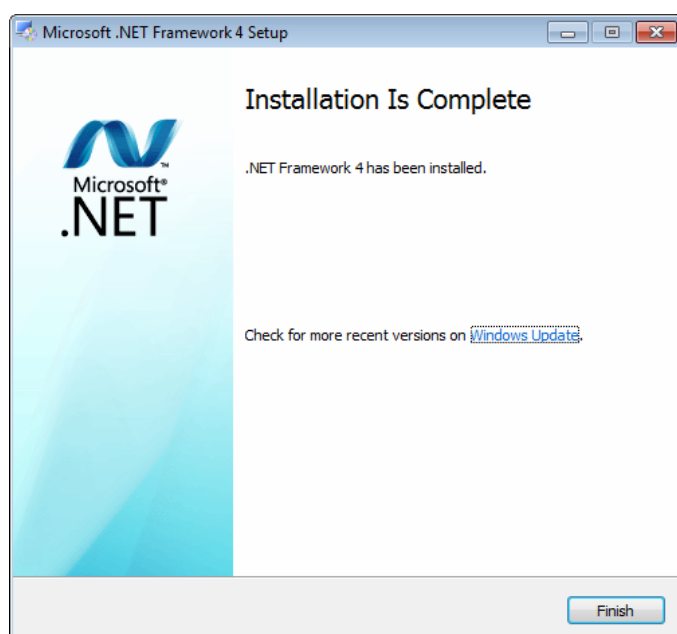


Figure 2-7-2-6

The PC will now need to be rebooted to make sure that the SQL server starts successfully. If the computer is not rebooted after the installation of Microsoft .Net then the following error could appear (figure 2-7-2-7)

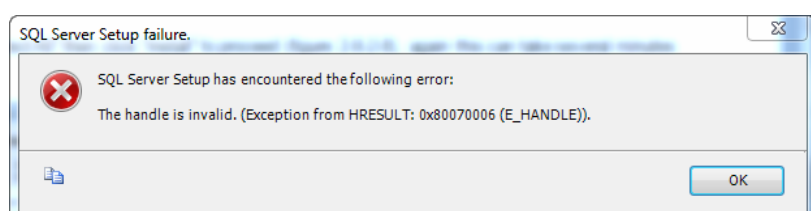


Figure 2-7-2-7

2.8 SQL Server 2008 Management Studio Express

Microsoft SQL Server Management Studio is a tool included with Microsoft SQL Server 2005 and later versions for configuring, managing, and administering all components within Microsoft SQL Server. The tool includes both script editors and graphical tools which work with objects and features of the server. Microsoft SQL Server 2008 Management Studio Express (SSMSE) is an integrated environment for accessing, configuring, managing, administering, and developing all components of SQL Server.

Although the installation of Studio Express is not compulsory, It is recommended that Studio Express is installed prior to installing SQL Server Express 2008. If Studio Express is installed it means that SQL Express 2008 can be configured to provide the following:

1. The connection of clients to the SECUSYS database
2. The hot swap standby SQL function
3. Import or Export functions outside the SECUSYS program environment
4. Access to the SQL database structure
5. Management of the SQL database outside the SECUSYS program environment

Note that the above are not available if Studio Express has not been installed prior to SQL Server Express 2008.

2.8.1 Downloading of Microsoft SQL Server 2008 Management Studio Express

Microsoft SQL Server Management Express can be downloaded from the Microsoft web site at:

<http://www.microsoft.com/downloads/en/details.aspx?FamilyID=08E52AC2-1D62-45F6-9A4A-4B76A8564A2B>

To download this file navigate to the home page for Microsoft SQL Server 2008 Management Studio Express (figure 2-8-1-1) and select either the 32 or 64 bit version depending on what the version of Windows 7 is installed on the server computer. To find out which version a Windows 7 machine is running, go to Control Panel/System & Security/System and the Operating System is listed beside System type (figure 2-8-1-2)



Figure 2-8-1-1

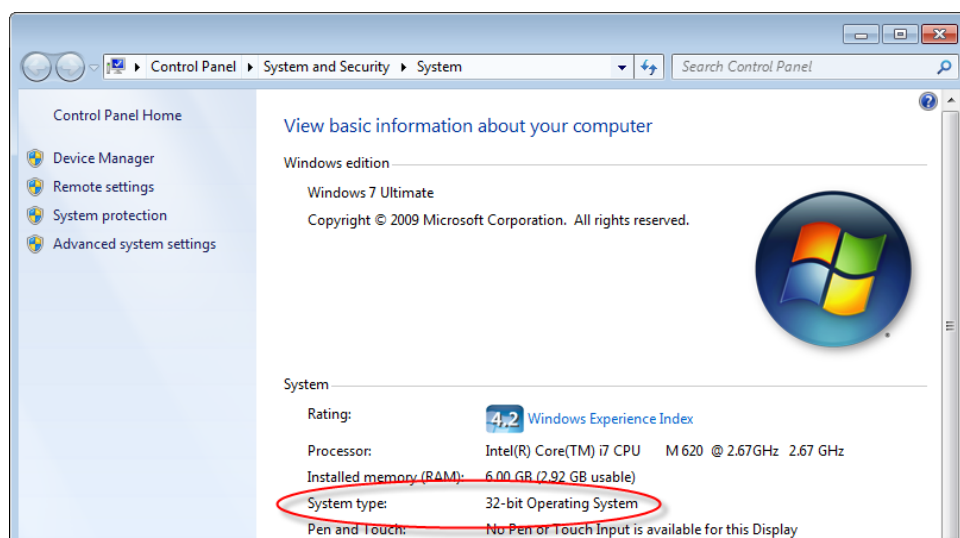


Figure 2-8-1-2

In the example (figure 2-8-1-3) the 32 bit English version of SQL Server Express 2008 has been selected for download. Click the arrow to the right of the Save button and Save As to save this file. Remember to save all SECUSYS and associated files into the “Security” folder.

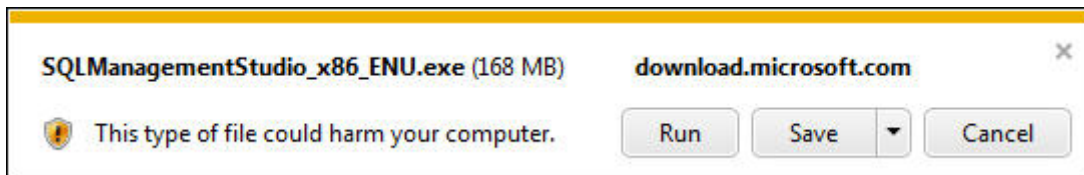


Figure 2-8-1-3

2.8.2 Installation of Microsoft SQL Server 2008 Management Studio Express

Navigate to the “Security” folder where the files from the previous section have been downloaded to and click on the SQLManagementStudio_x86_ENU.exe file (or corresponding 64 bit file) to install Microsoft SQL Server 2008 Management Studio Express (figure 2-8-2-1)

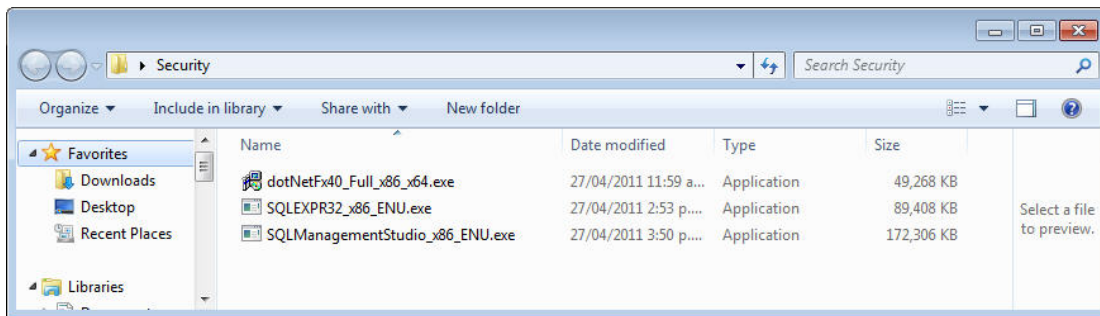


Figure 2-8-2-1

At the Security Warning click “Run” to continue (figure 2-8-2-2)

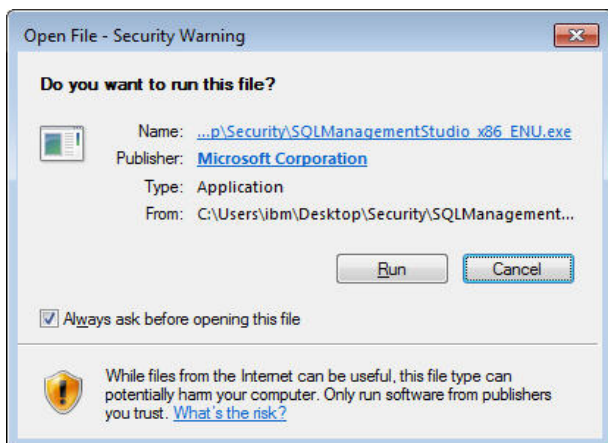


Figure 2-8-2-2

When the file is run the Program Compatibility Assistant screen will appear (figure 2-8-2-3). Ignore this warning and click on the “Run Program” button. The explanation from Microsoft on why to ignore this warning is below (figure 2-8-2-4)

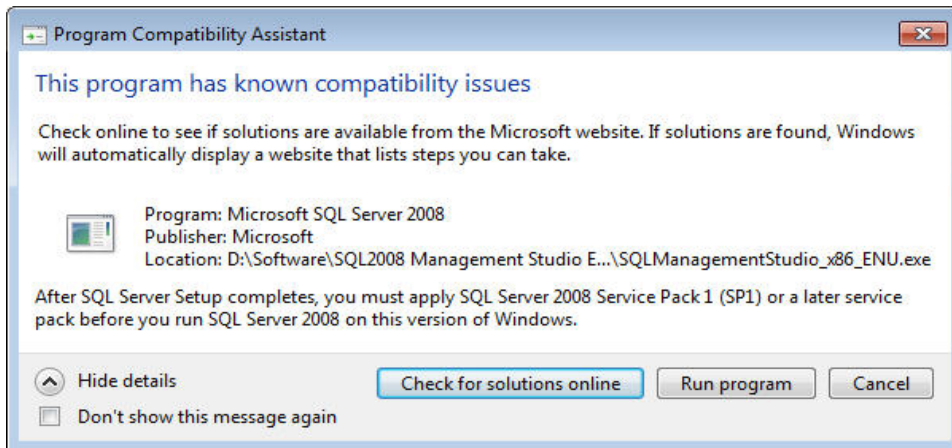


Figure 2-8-2-3

For Windows 7 and Windows Server 2008 R2, the install process displays the "Program Compatibility Assistant" dialog indicating that you must apply SQL Server 2008 Service Pack 1 or later. Select the option to "Run Program" to continue. Future releases of Microsoft SQL Server 2008 R2 Management Studio Express will not have this problem.

Figure 2-8-2-4

The SQL Server Installation window will appear (figure 2-8-2-5). Click on the word "Installation" in the left hand menu to proceed.

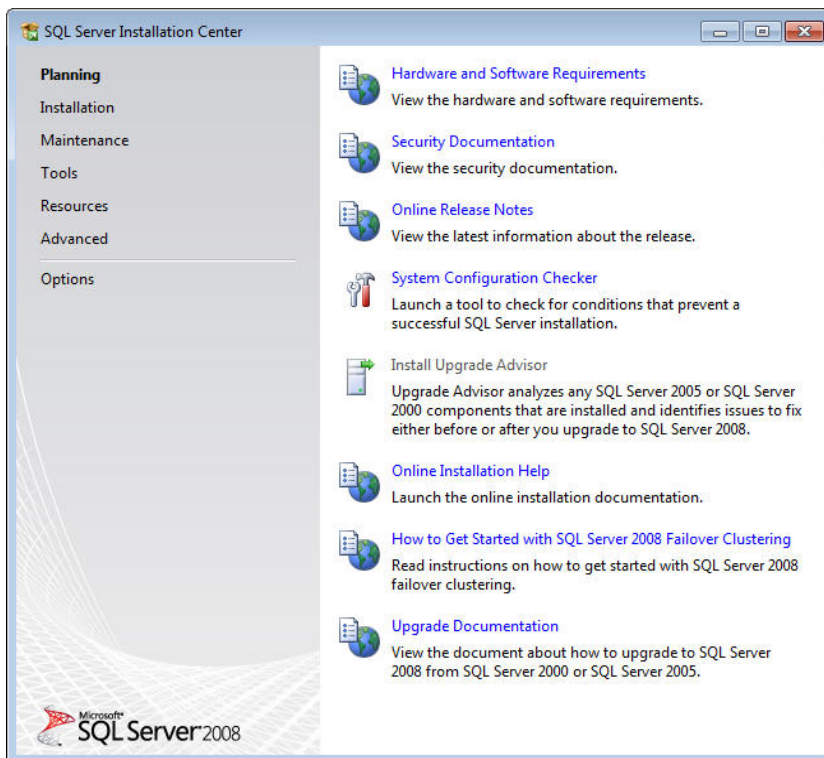


Figure 2-8-2-5

Click on the “New SQL Server stand alone Installation” to proceed (figure 2-8-2-6)

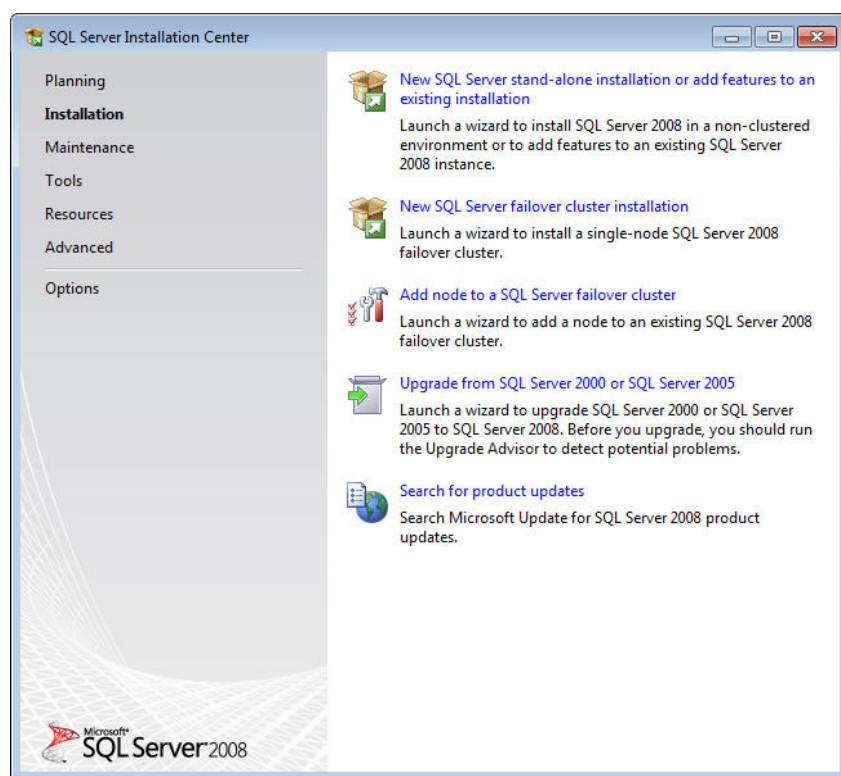


Figure 2-8-2-6

If there are no warnings then click “OK” to continue (figure 2-8-2-7)

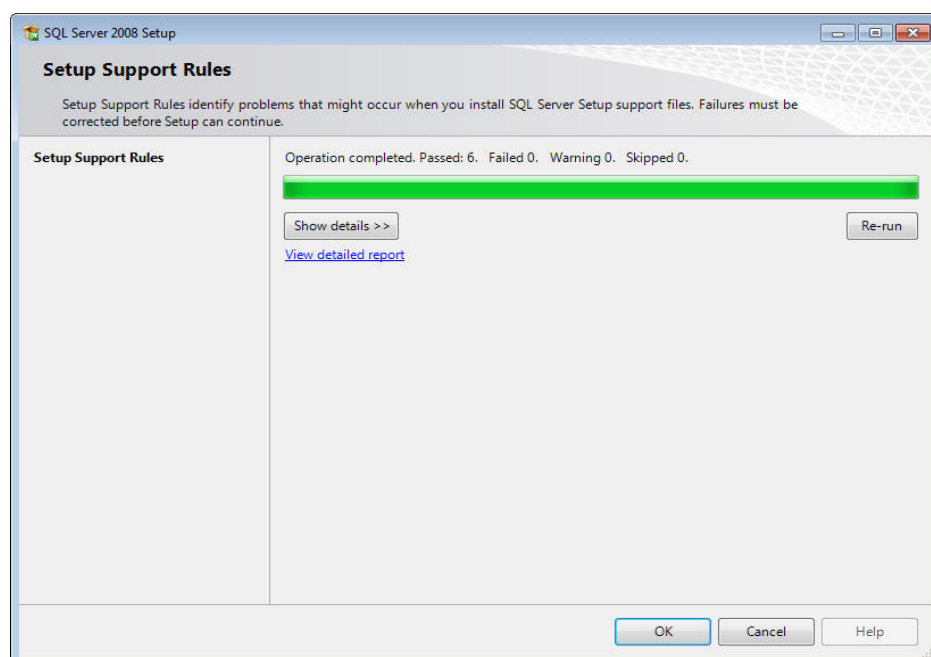


Figure 2-8-2-7

The SQL installed unzips the .exe file and makes a temporary folder, in the following example the temporary folder is on e:\ drive. If an error appears (figure 2-8-2-8) then retry the installation again.



Figure 2-8-2-8

Click "OK" to continue (figure 2-8-2-9)

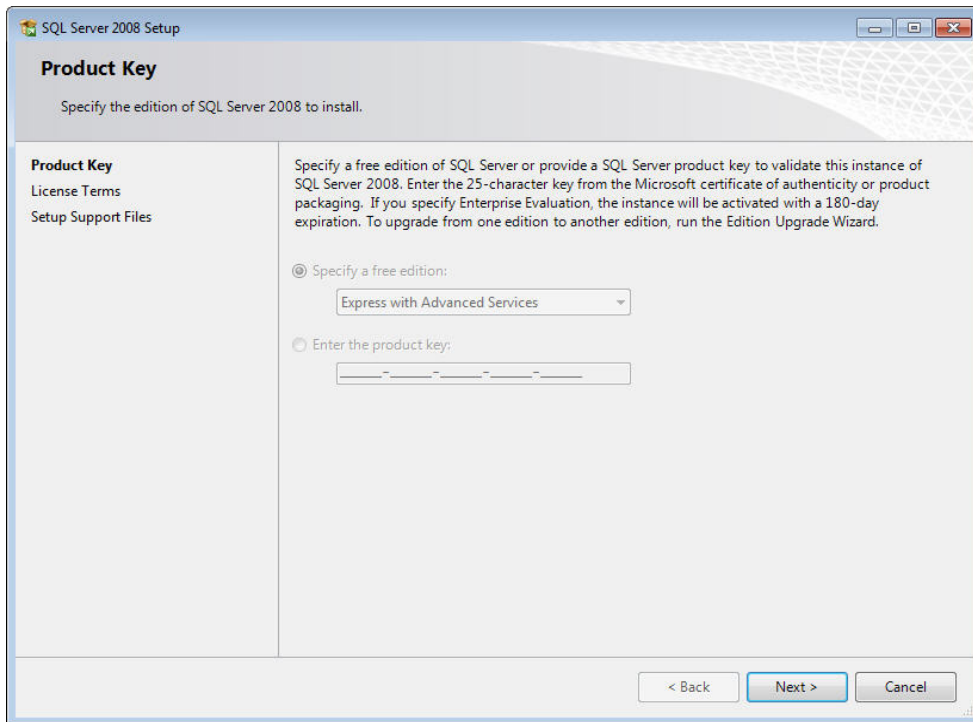


Figure 2-8-2-9

Tick the “I accept the License Terms” box then click “OK” to continue (figure 2-8-2-10)

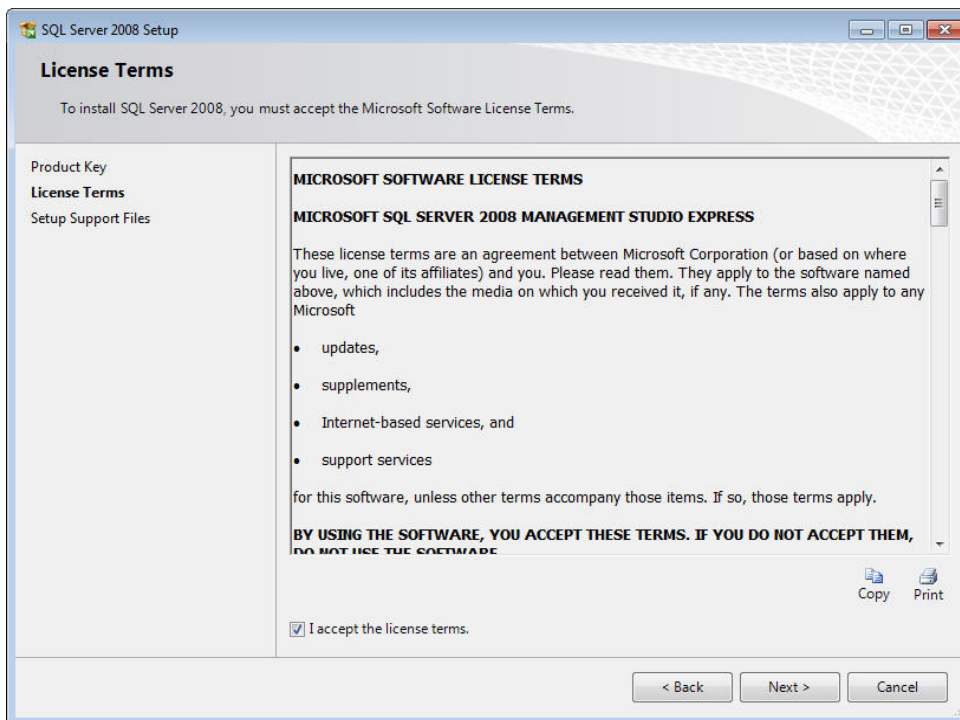


Figure 2-8-2-10

Click the “Install” button to continue (figure 2-8-2-11), this section may take 1-2 minutes

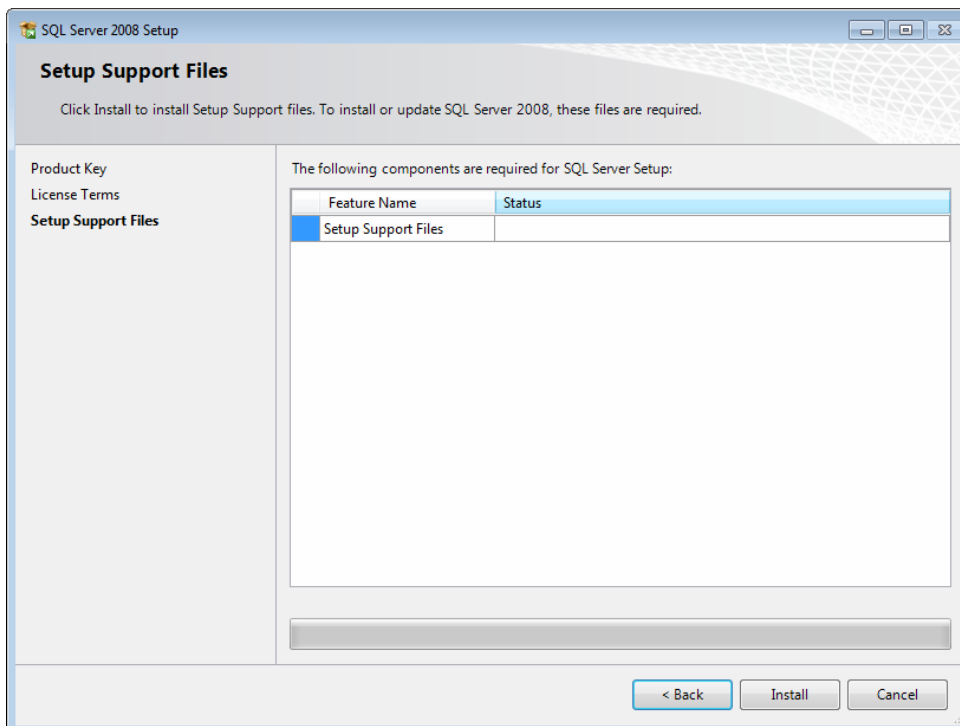


Figure 2-8-2-11

Read any warnings then click “Next” to continue (figure 2-8-2-12). No modification of the Windows firewall is necessary at this stage.

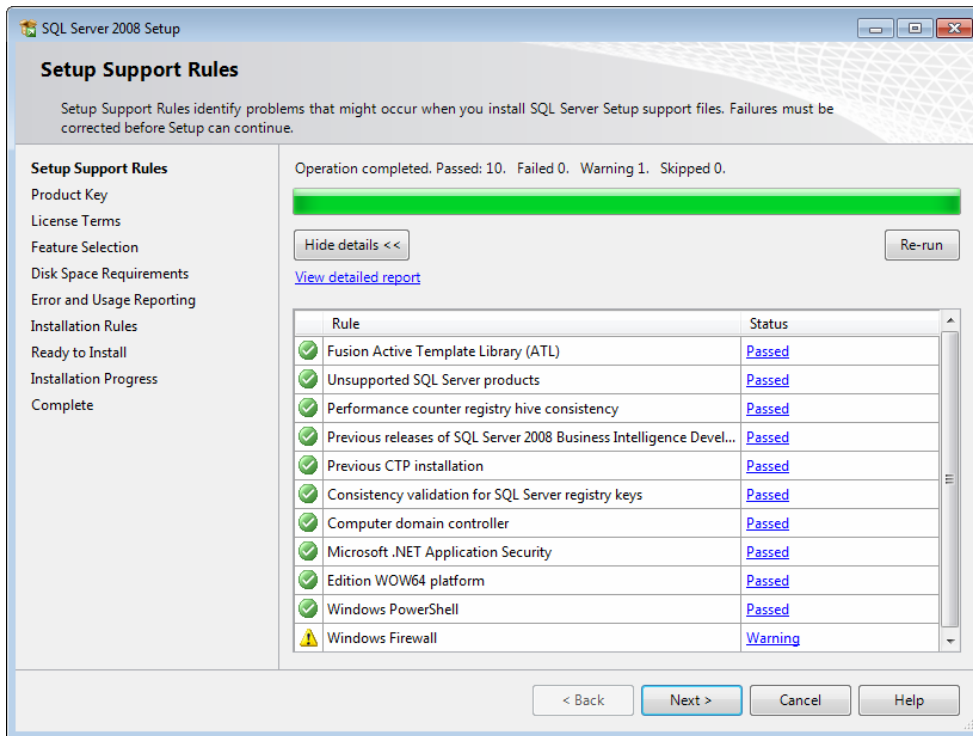


Figure 2-8-2-12

“Select All” then click “Next” to continue (figure 2-8-2-13)

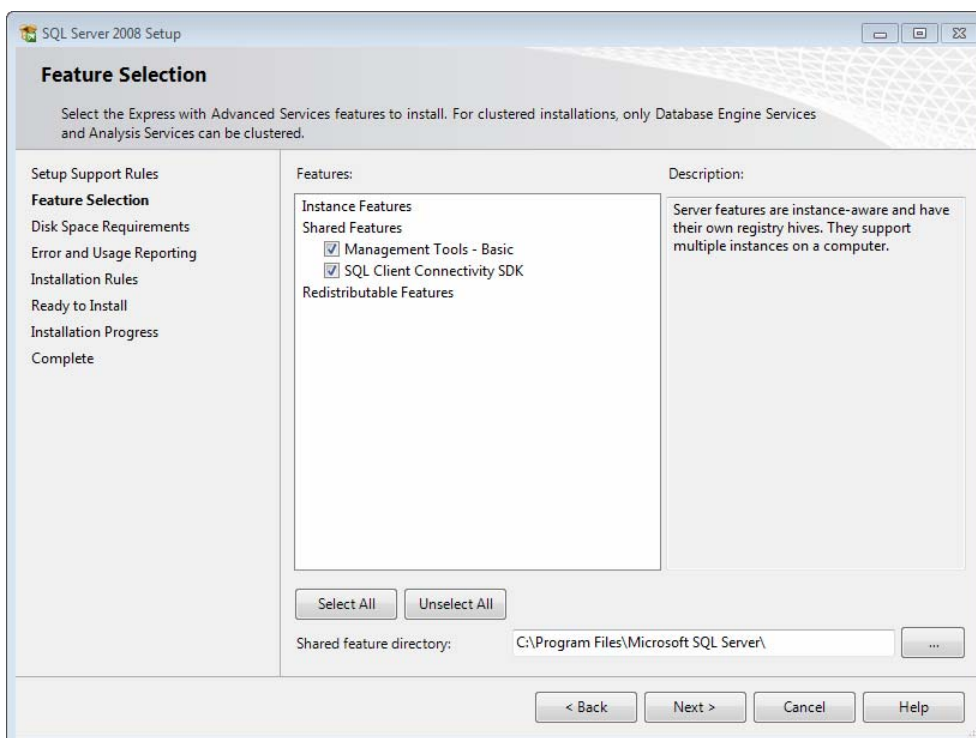


Figure 2-8-2-13

Check that there is the necessary disk space available then click “Next” to continue (figure 2-8-2-14)

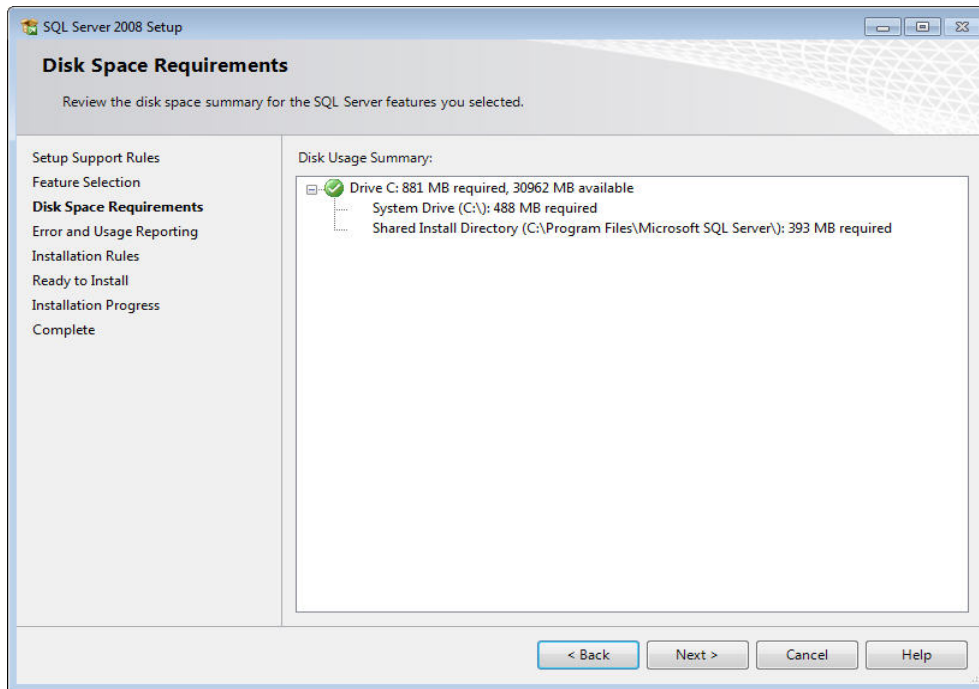


Figure 2-8-2-14

Click “Next” to continue (figure 2-8-2-15)

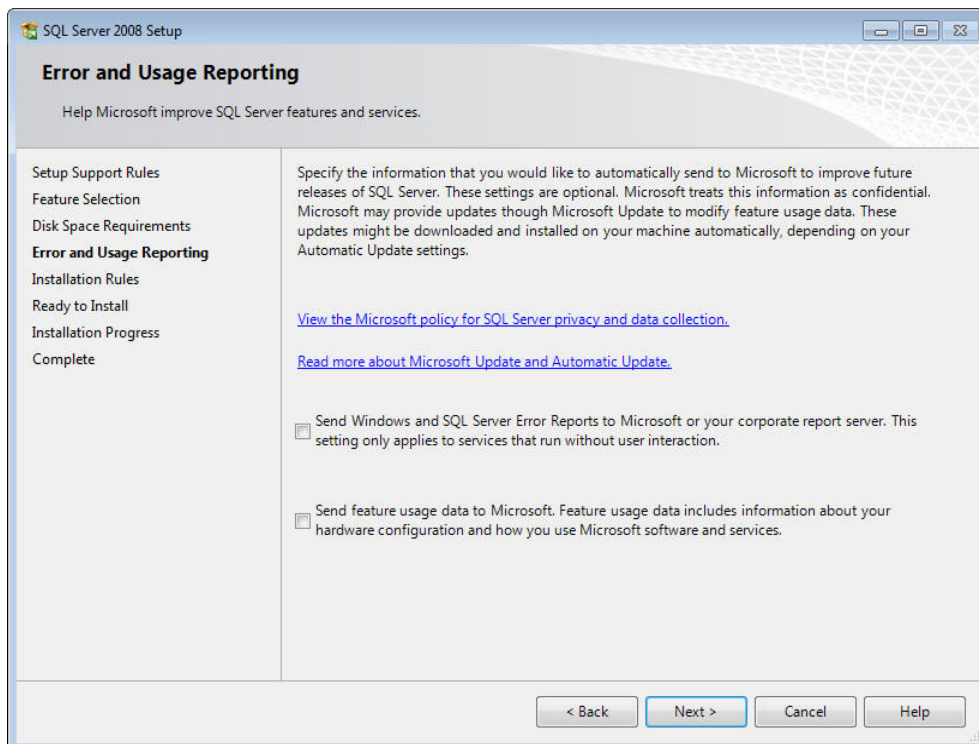


Figure 2-8-2-15

Check any warnings then click “Next” to continue (figure 2-8-2-16)

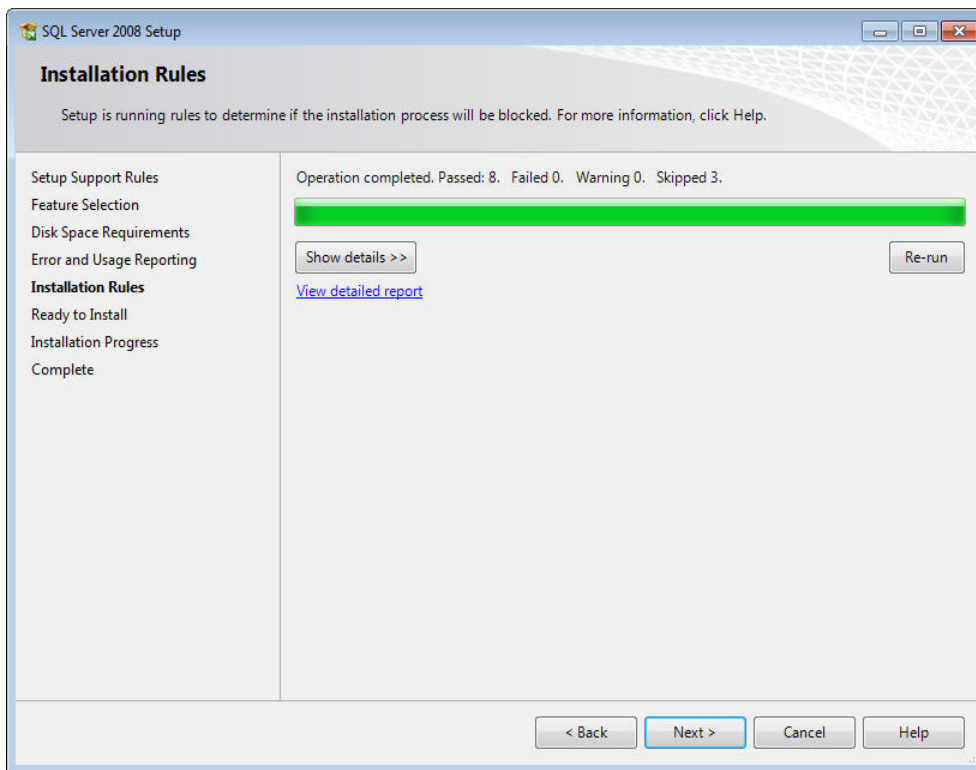


Figure 2-8-2-16

Click “Install” to continue (figure 2-8-2-17)

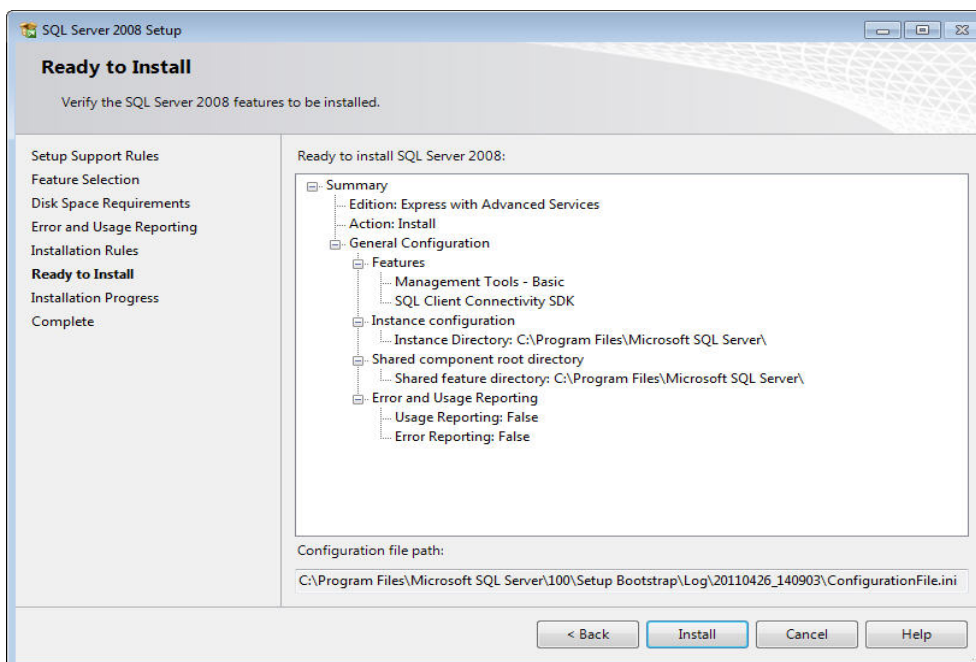


Figure 2-8-2-17

The installation can take 5-10 minutes depending upon the speed of the computer (figure 2-8-2-18)

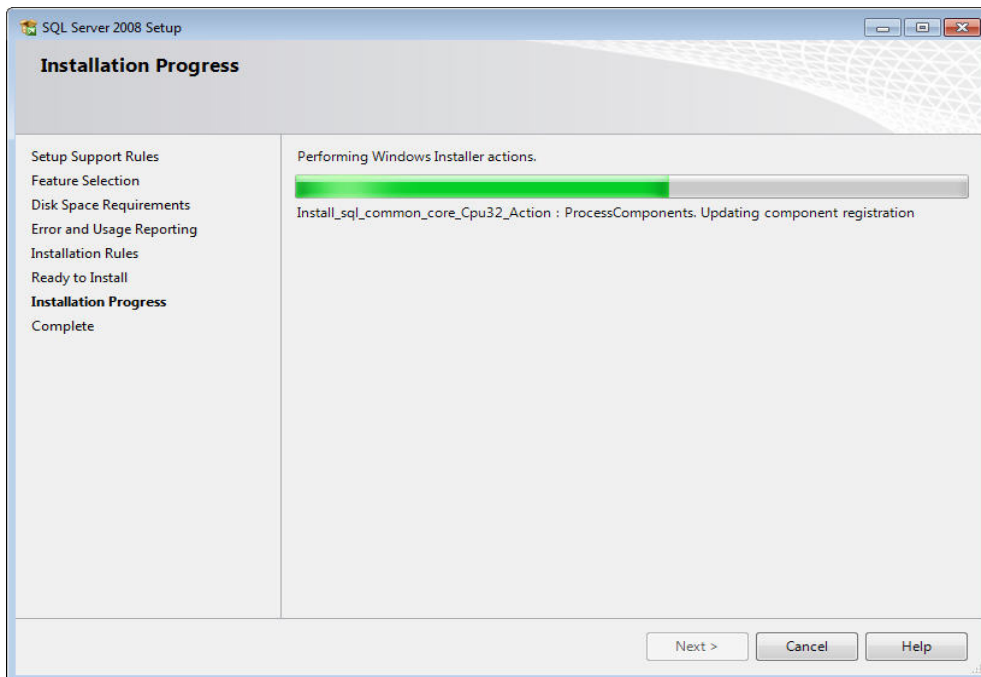


Figure 2-8-2-18

Should the installation fail then try again. If it fails a 2nd time, remove the program by uninstalling it through Windows control panel, reboot, then try again. If successful click “Next” to continue (figure 2-8-2-19)

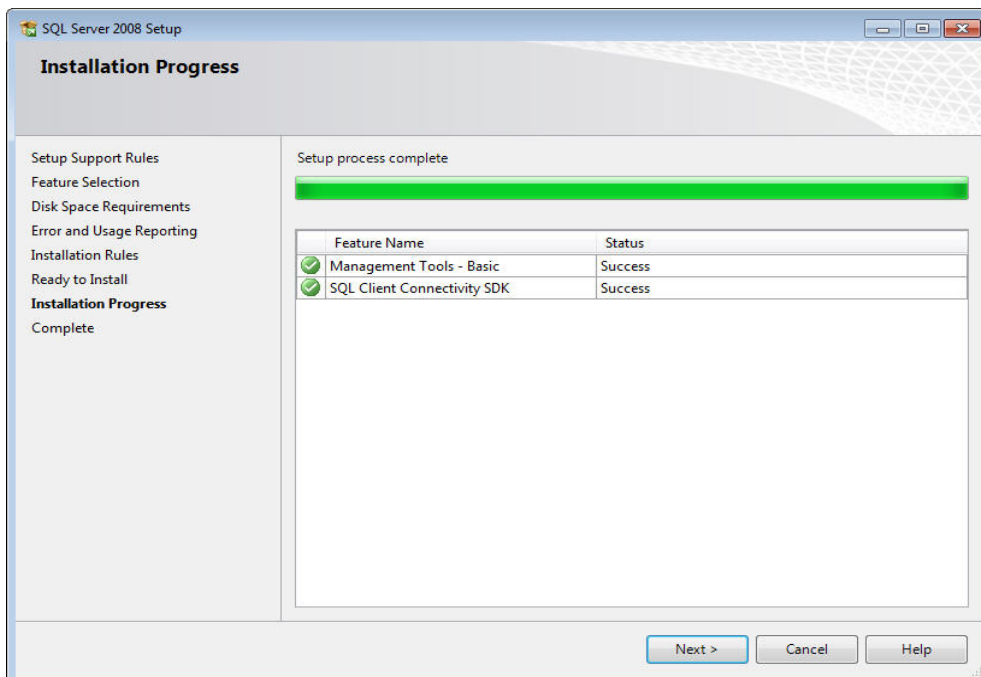


Figure 2-8-2-19

The installation has completed successfully, click “Close” to continue (figure 2-8-2-20)

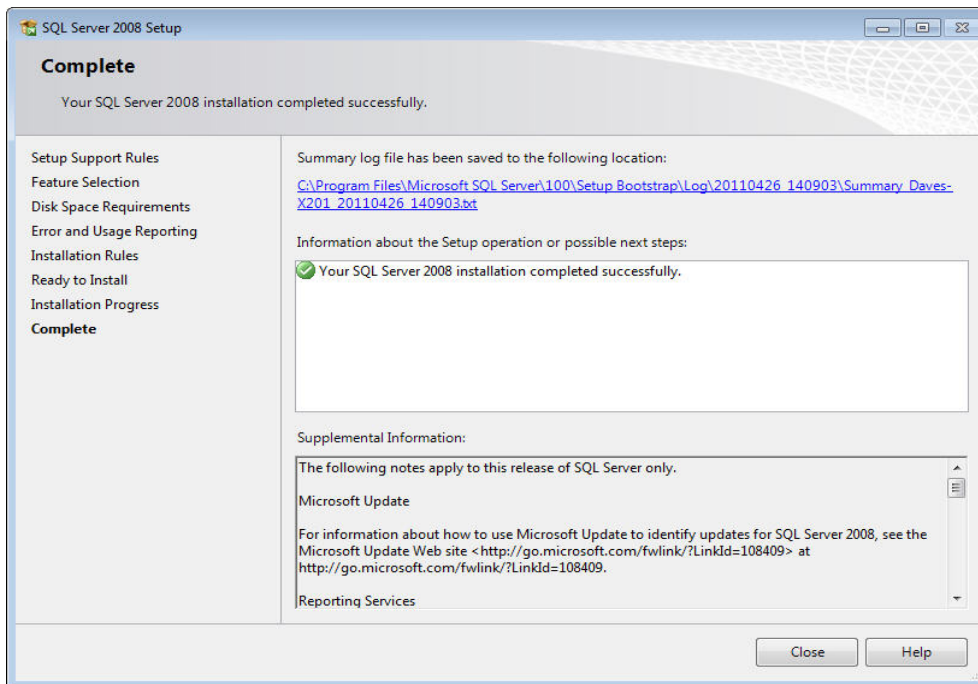


Figure 2-8-2-20

SQL Server 2008 Express now needs to be installed. Go to Section 2.9 to install SQL Server 2008 Express

2.9 Microsoft Server Express 2008 for Windows 7

If Microsoft Windows 7 is being used and no SQL installation is available then Microsoft Server Express 2008 must be downloaded and installed prior to running the SECUSYS 2000 software. The bundled SQL Database, MSDE, is not compatible with Windows 7. **Note that because SQL Server Express is a free cut down version of SQL (like MSDE), there are limitations so Microsoft SQL Studio Management needs to be download and installed prior to the installation of SQL Server Express 2008.**

2.9.1 Downloading of Microsoft SQL Server 2008 Express

SQL Server 2008 Express SP2 (figure 2-9-1-1) is a free edition of SQL Server that is ideal for learning and building desktop and small server applications. This is available from the Microsoft web site or click or paste the following link:

<http://www.microsoft.com/downloads/en/details.aspx?FamilyID=40acf55f-0715-4bb0-9735-d02fc2c8a7af&displaylang=en>

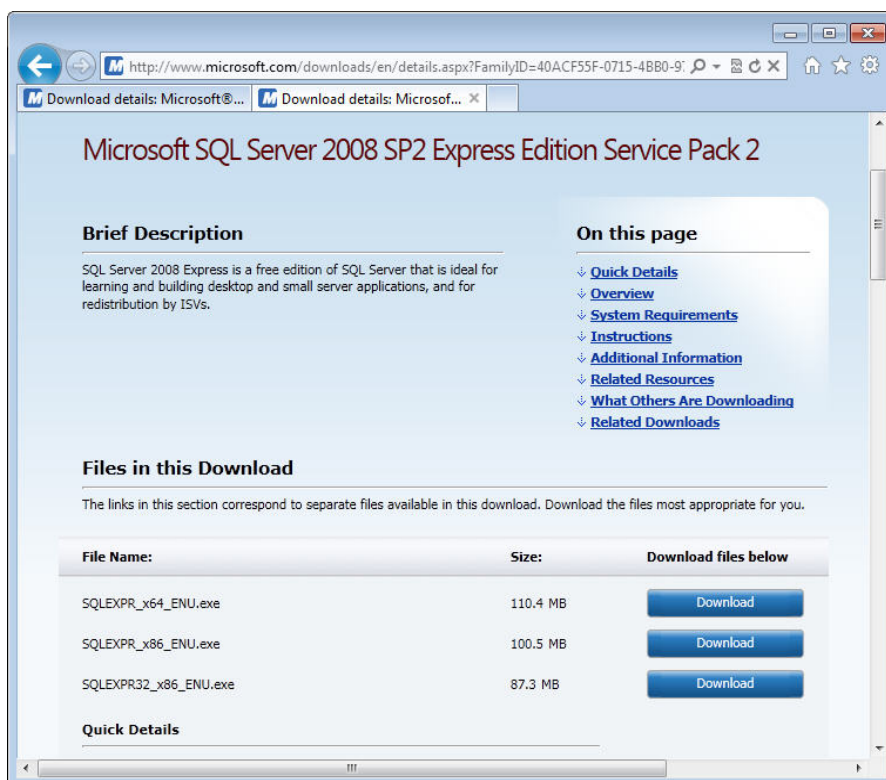


Figure 2-9-1-1

Once again click on the download button for the required 32 or 64 bit file and Save As to the "Security" folder. The 32 bit file required is SQLEXPR32_x86_ENU (figure 2-9-1-1).

2.9.2 Installation of Microsoft SQL Server 2008 Express

Once the installation of Microsoft .NET and Microsoft SQL Studio Management is complete, then Microsoft SQL Server 2008 SP2 Express Edition needs to be installed.

Navigate to the “Security” folder where the files from section 2.9.1 have been downloaded and click on the SQLEXP32_x86_ENU.exe file (or the corresponding 64 bit version) to install Microsoft SQL Server 2008 Express (figure 2.9-2-1)

Note that if Server Express is attempted to be installed without Microsoft.NET the warning in Section 2.7 will appear (figure 2-7-1-2) Microsoft .Net Framework must be installed prior to SQL Server Express 2008.

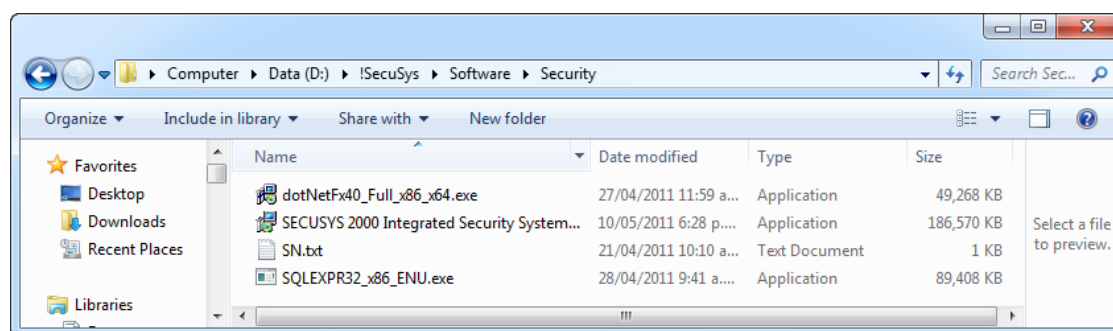


Figure 2-9-2-1

Click “Run” at the security warning (figure 2-9-2-2)

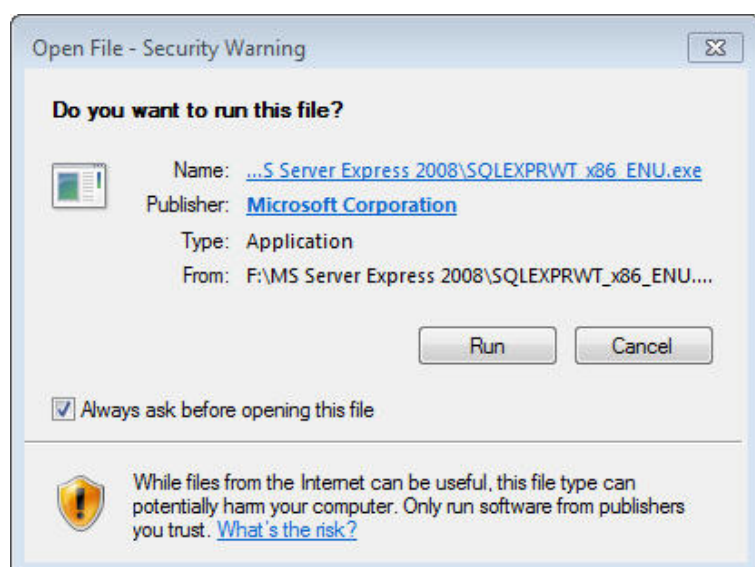


Figure 2-9-2-2

Click “Yes” to allow the installation to continue (figure 2-9-2-3). Note that this will not appear if User Account Control has been disabled.

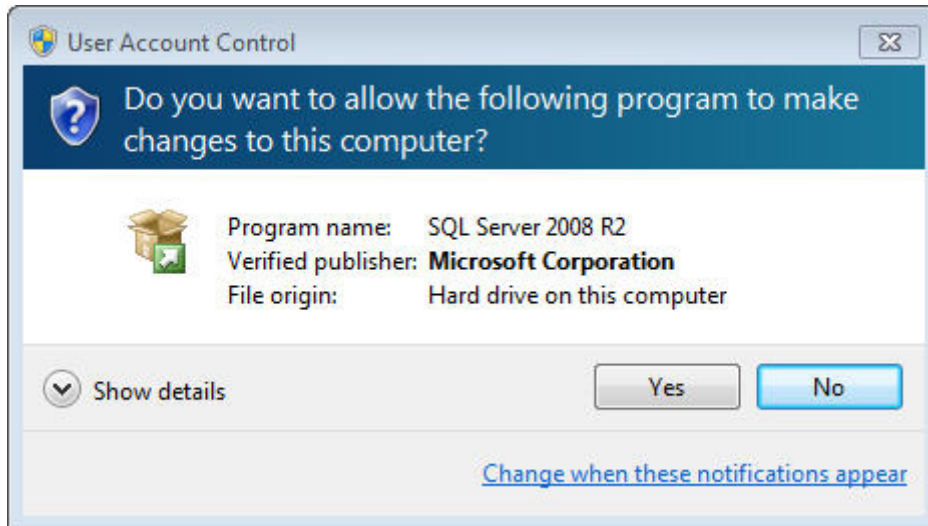


Figure 2-9-2-3

The SQL Server Installation window will appear after several minutes (figure 2-9-2-4) Click on the word “Installation” in the left hand menu to proceed.

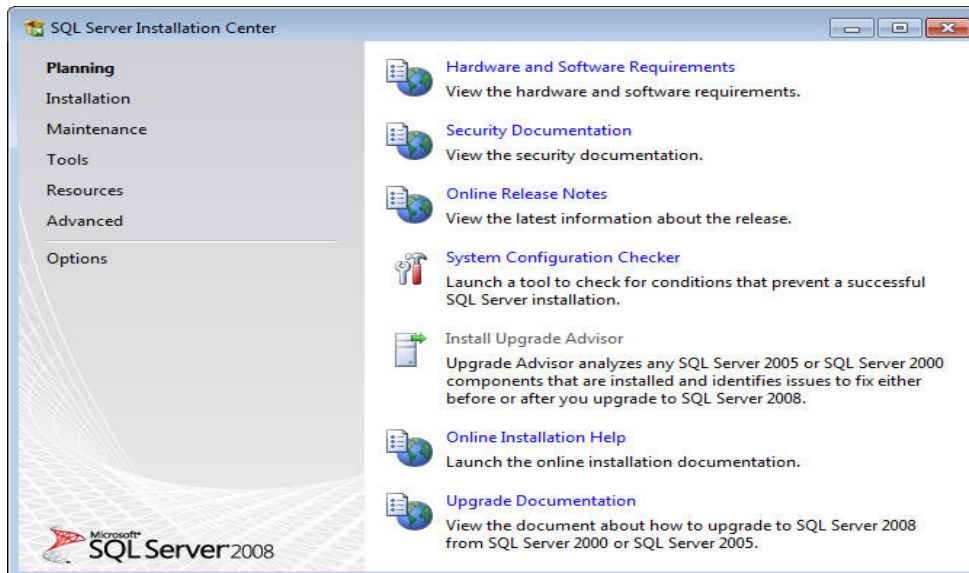


Figure 2-9-2-4

Click “New SQL Server stand-alone installation” (figure 2-9-2-5)



Figure 2-9-2-5

Click “OK” to proceed if there are no warnings (figure 2-9-2-6)

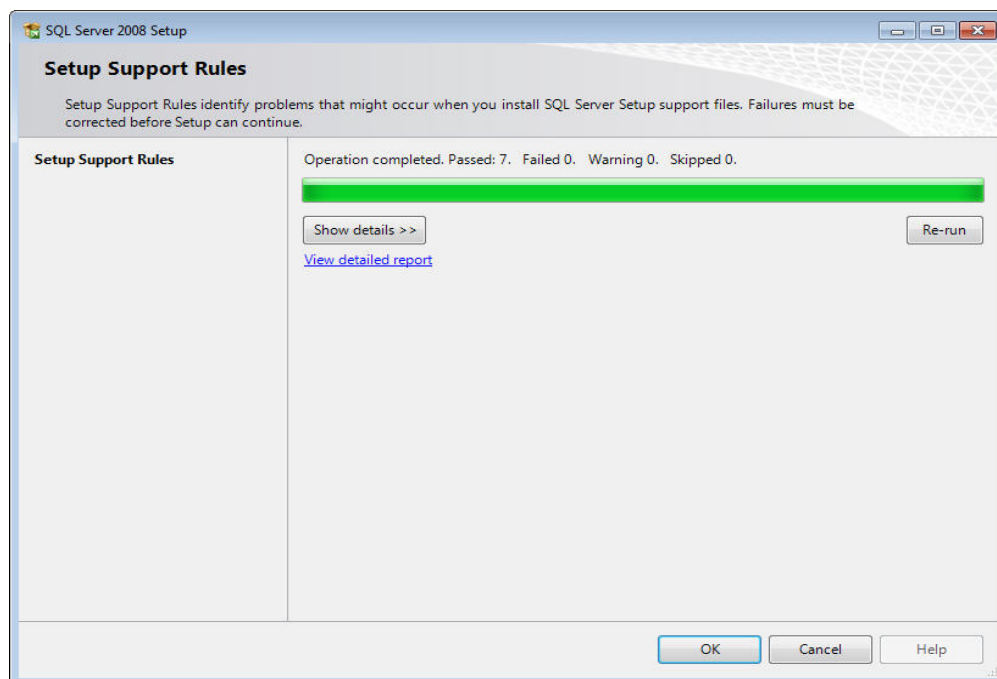


Figure 2-9-2-6

If SQL has previously been installed on this particular machine then the order for the following slides will differ. The sequence shown here is for a fresh installation of SQL Server Express 2008 on a new copy of Windows 7. Click “Next” to proceed (figure 2-9-3-9)

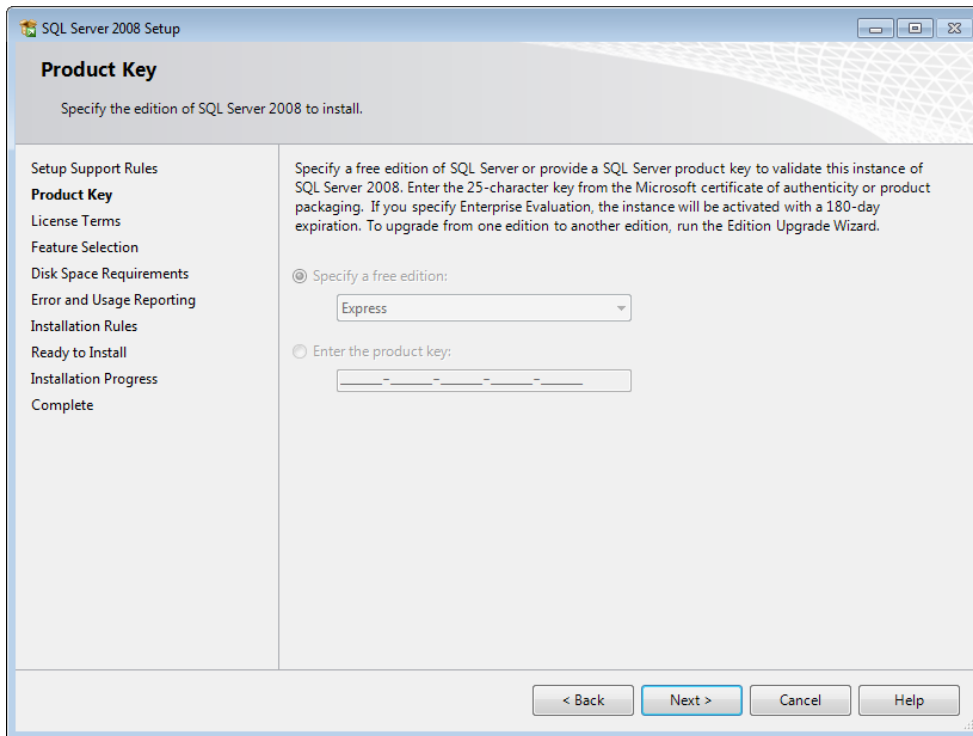


Figure 2-9-2-7

Accept the license terms then click “Next” to continue (figure 2-9-2-8)

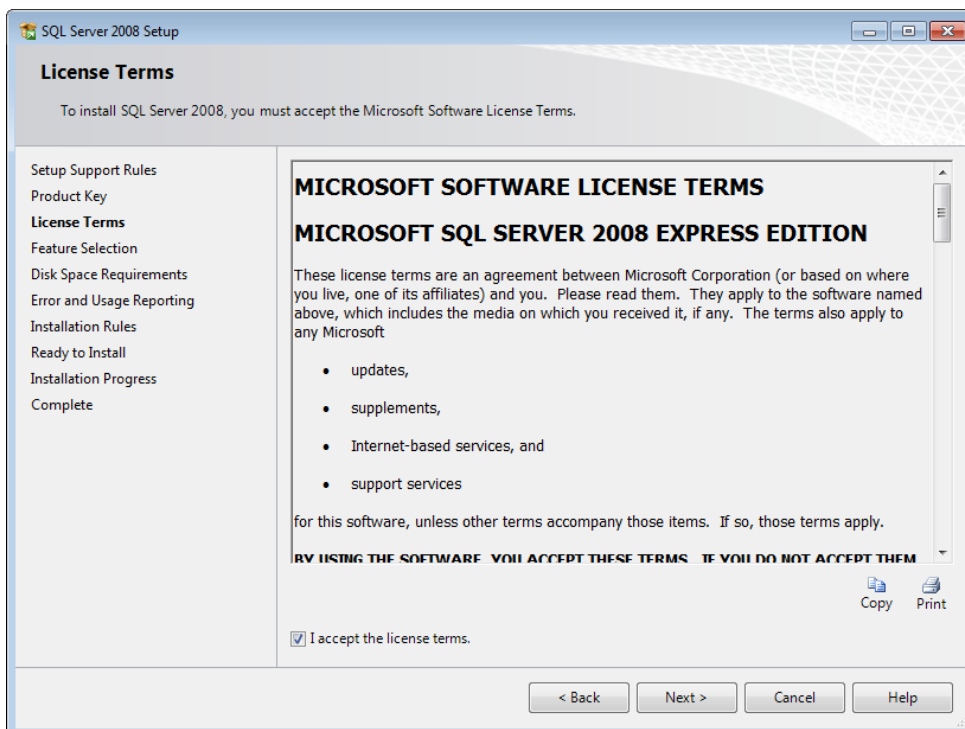


Figure 2-9-2-8

Click “Install” to proceed (figure 2-9-2-9)

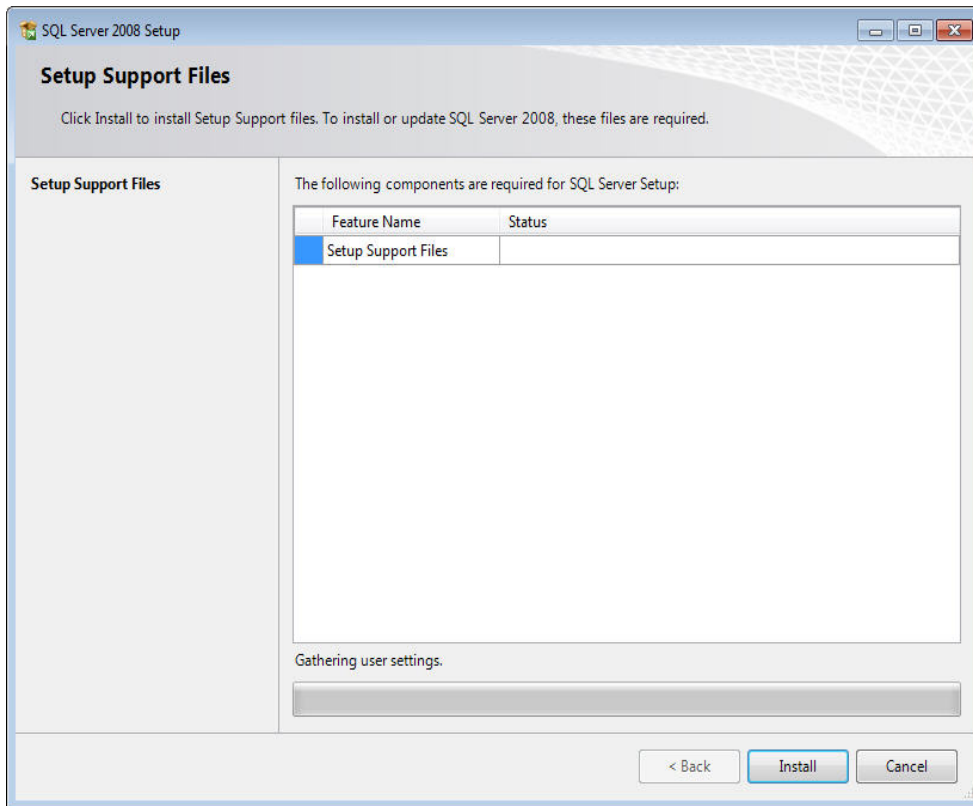


Figure 2-9-2-9

“Select All” then click “Install” to proceed (figure 2-9-2-10), again this can take several minutes

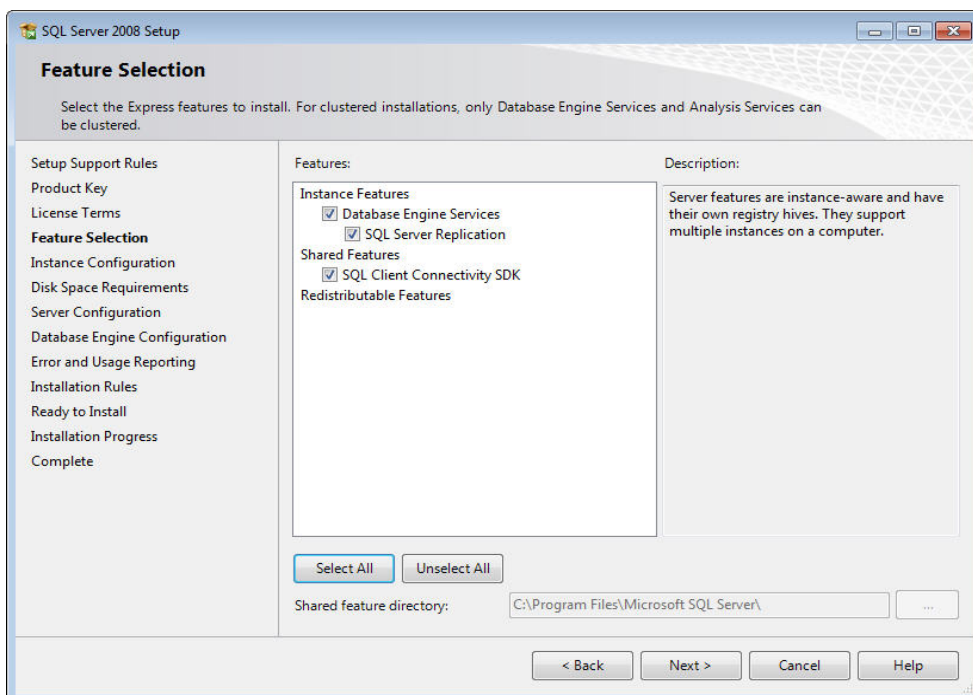


Figure 2-9-2-10

View any warnings then click “Next” to continue. Ignore the warning about the Windows firewall at this stage (figure 2-9-2-11)

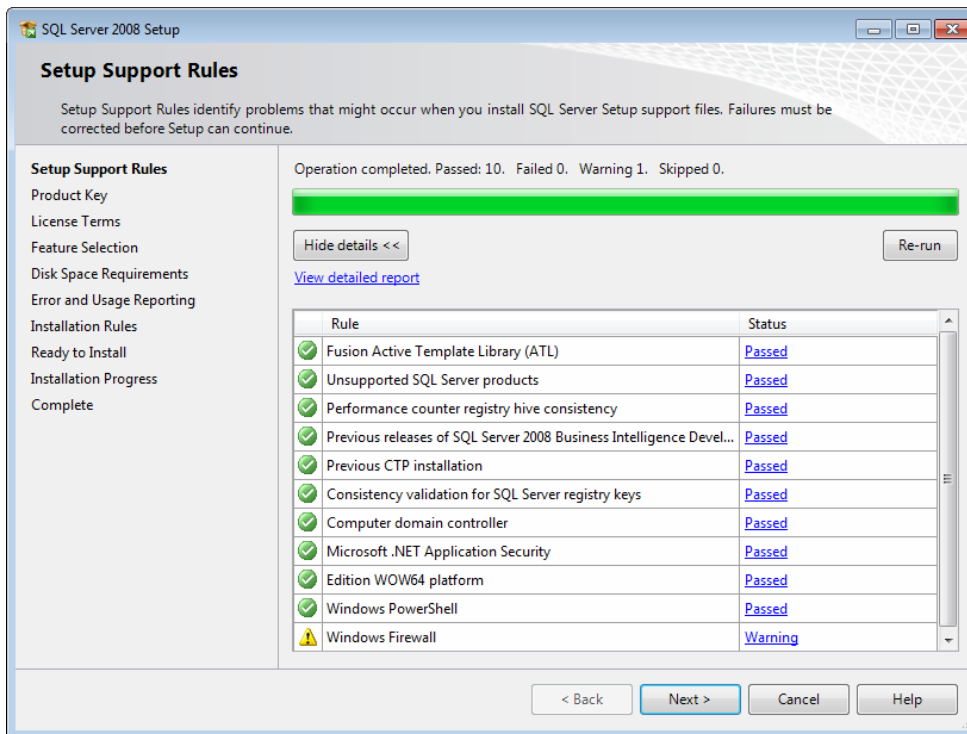


Figure 2-9-2-11

Select All then click “Next” to proceed (figure 2-9-2-12)

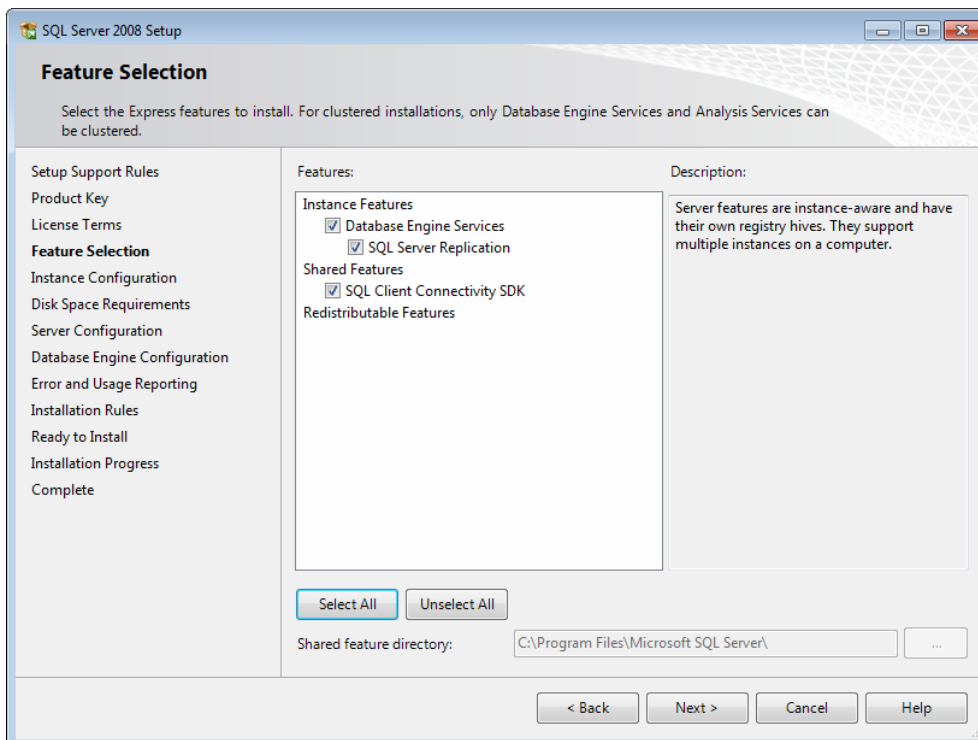


Figure 2-9-2-12

Click “Next” to proceed (figure 2-9-2-13)

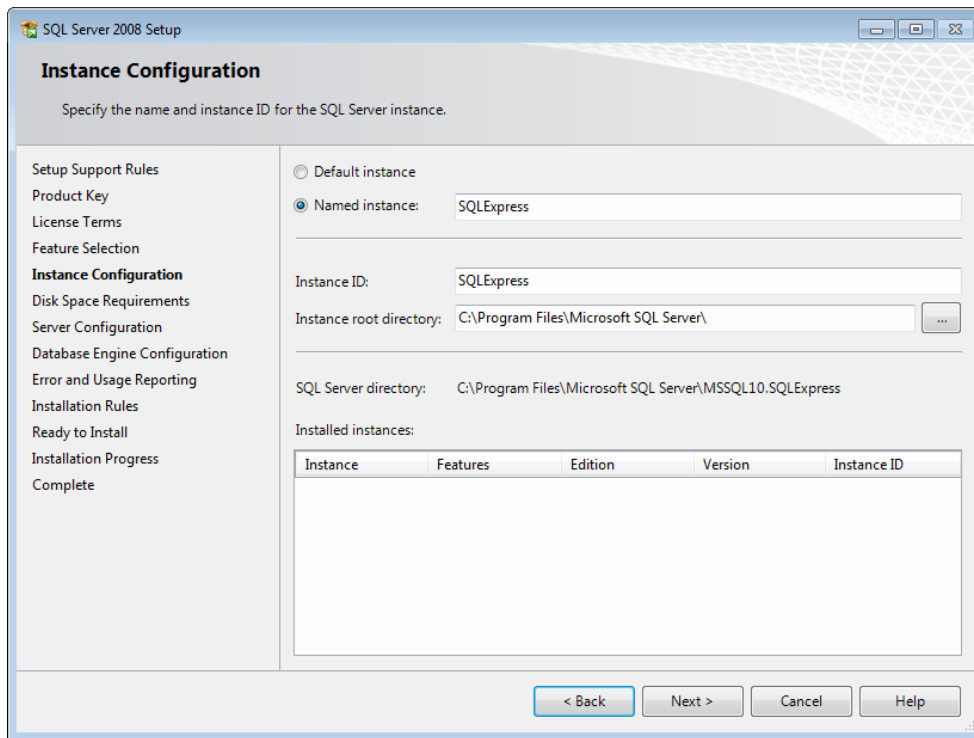


Figure 2-9-2-13

Check that there is enough available space then click “Next” to proceed (figure 2-9-2-14)

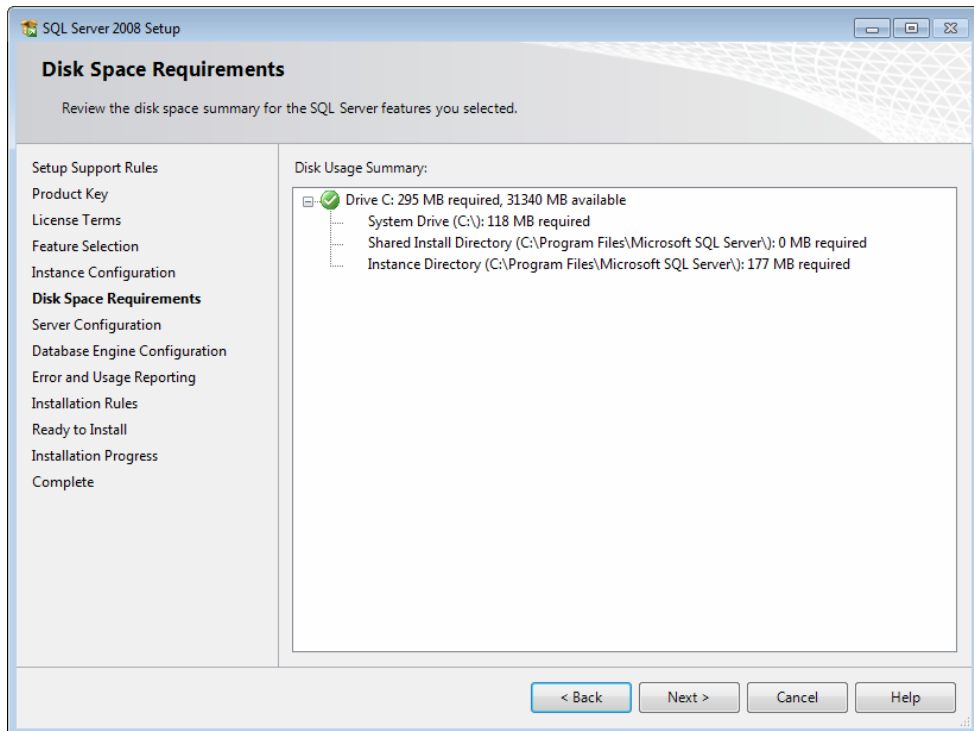


Figure 2-9-2-14

From the drop down menu select NT Authority\System then click “Next” to continue (figure 2-9-2-15)

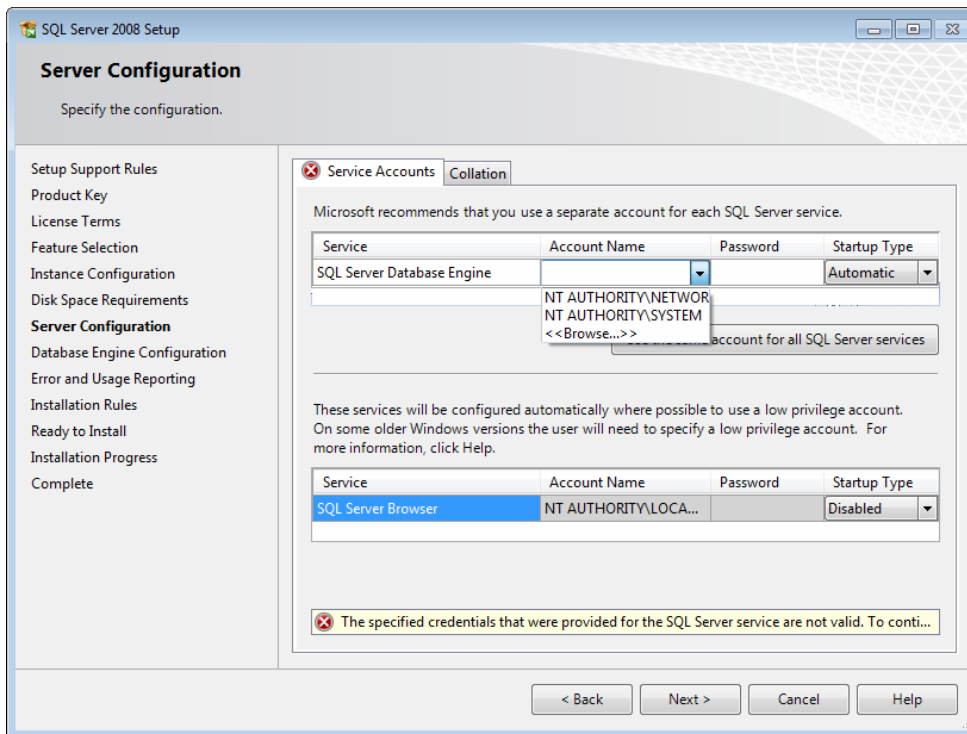


Figure 2-9-2-15

Select “Mixed Mode”, enter “secusys” as the password and confirmation then click “Add Current User” to add a SQL Administrator then click Next” to proceed (figure 2-9-2-16)

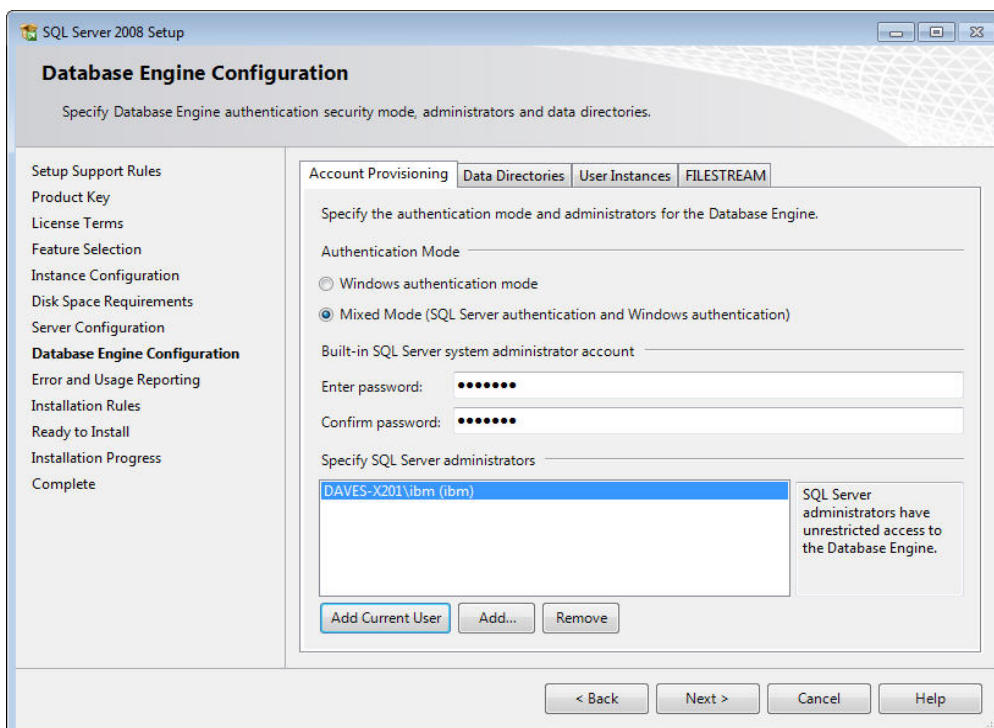


Figure 2-9-2-16

Click “Next” to proceed (figure 2-9-2-17)

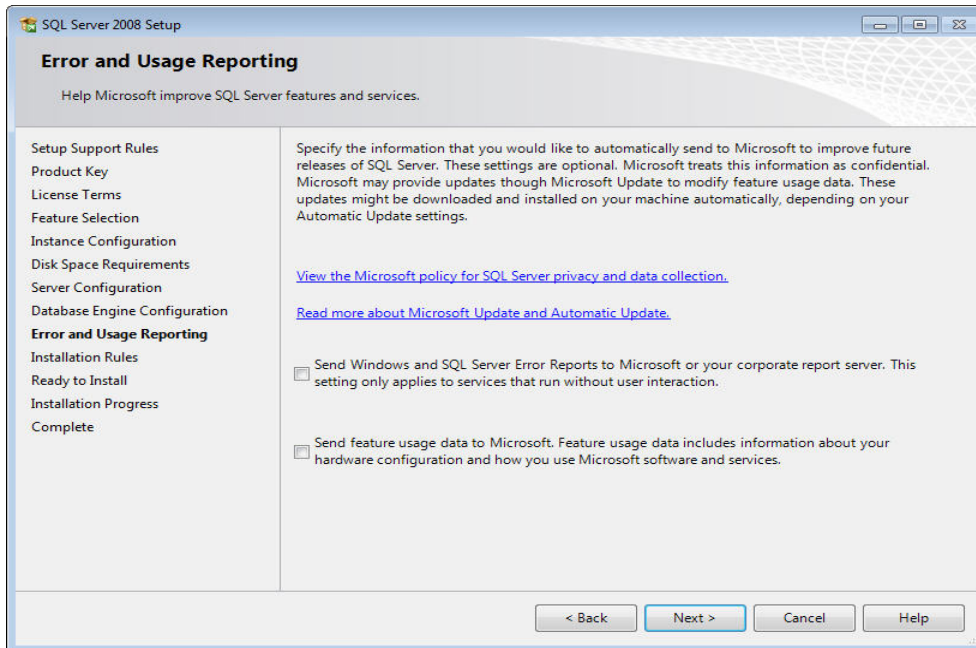


Figure 2-9-2-17

Click “Next” to proceed (figure 2-9-2-18) Note also the installation rules failure screen below (figure 2-9-2-19) If there are failure errors that prevent the installation of continuing then cancel the setup, repair the errors and try again.

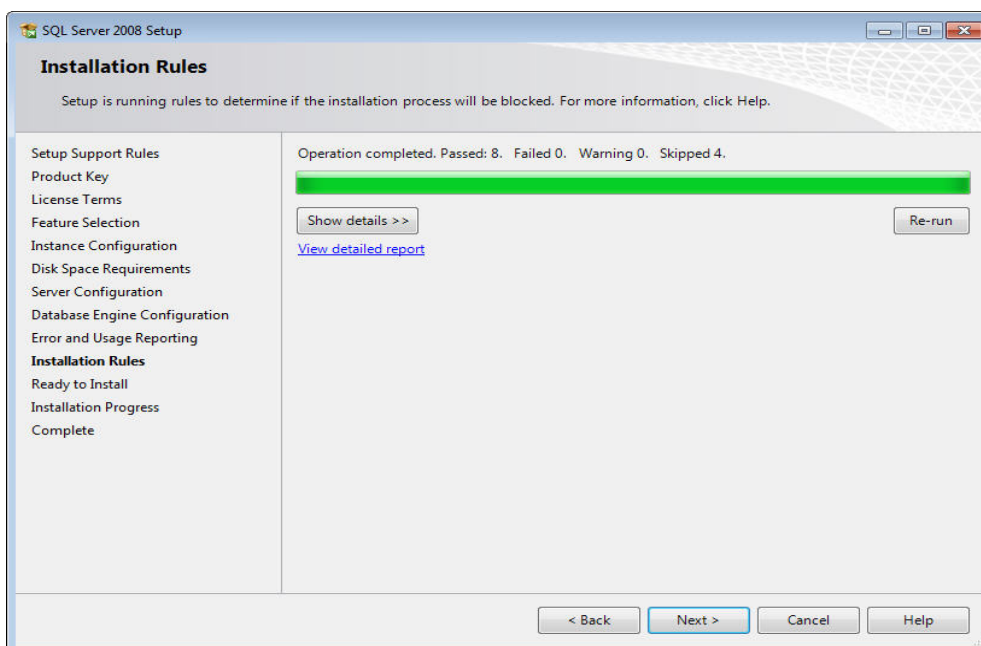


Figure 2-9-2-18

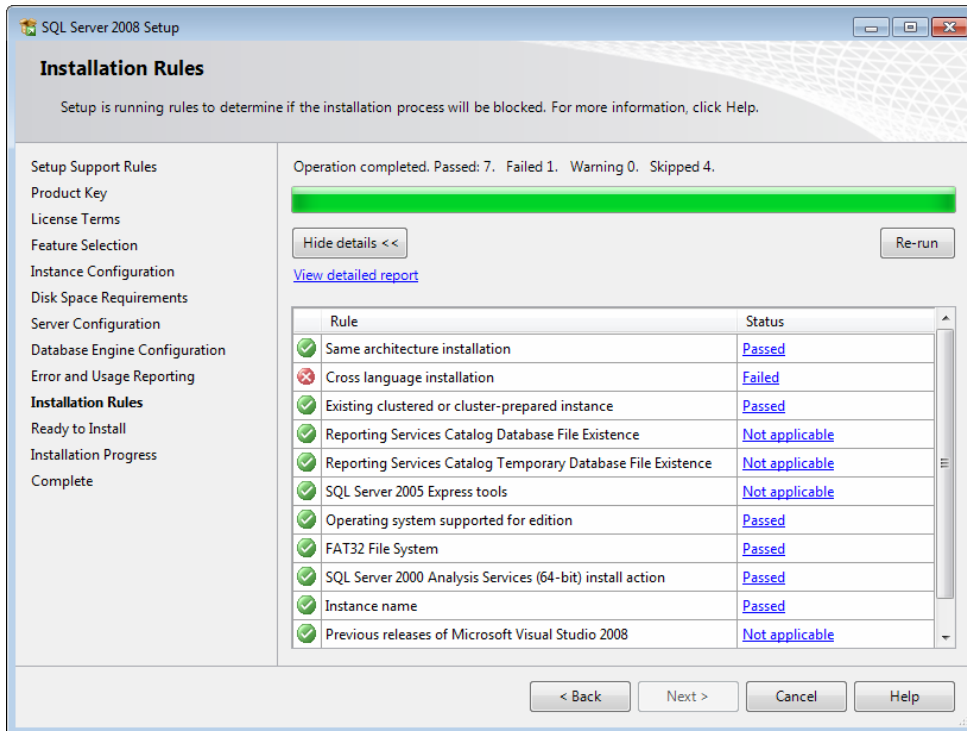


Figure 2-9-2-19

Click "Install" to proceed (figure 2-9-2-20)

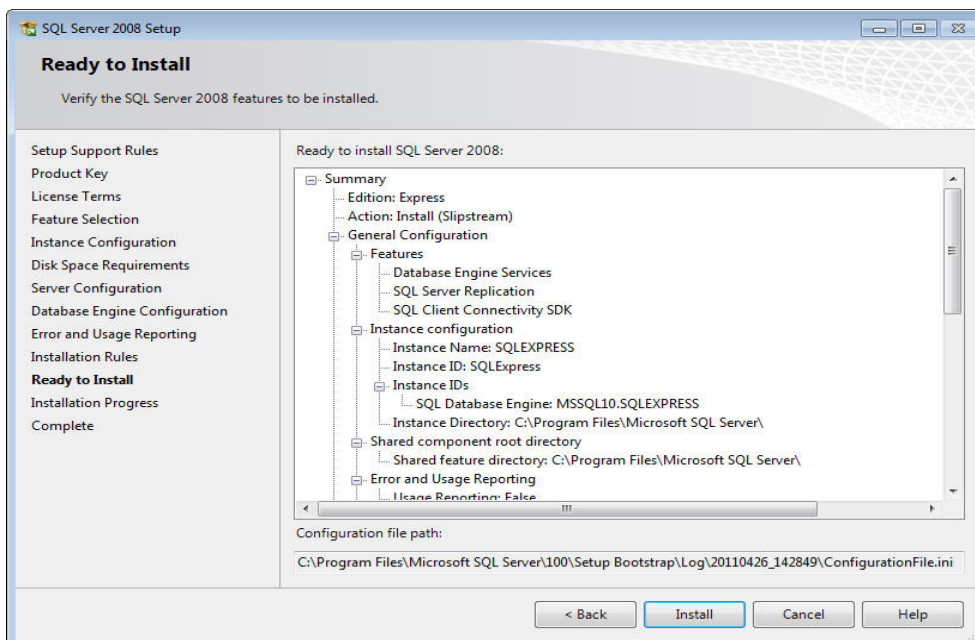


Figure 2-9-2-20

The installation can take 5-10 minutes depending upon the speed of the computer (figure 2-9-2-21)

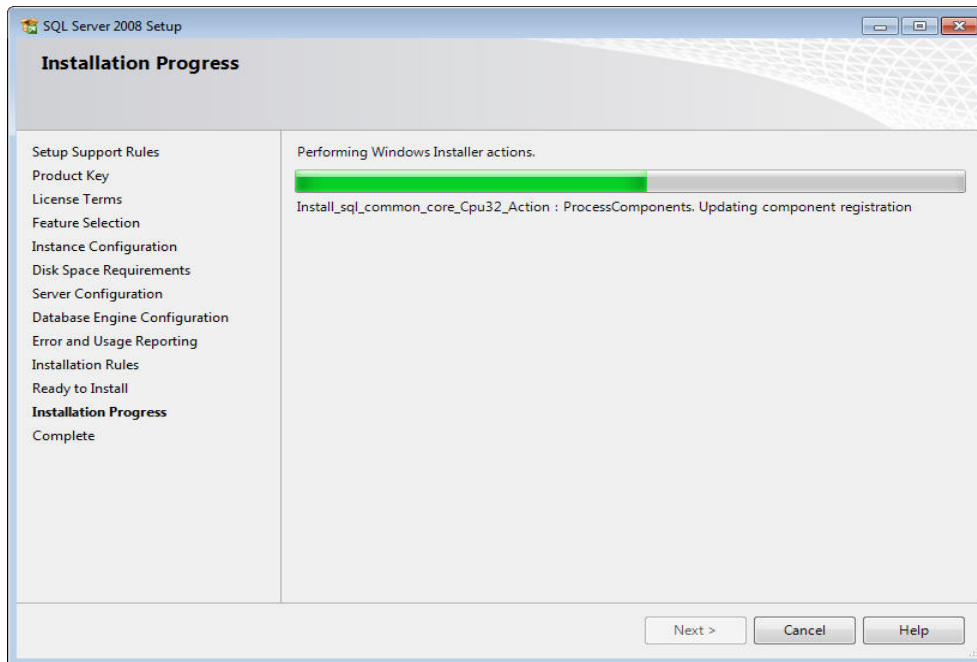


Figure 2-9-2-21

Check that all have installed correctly then click “Next” to proceed (figure 2-9-2-22)

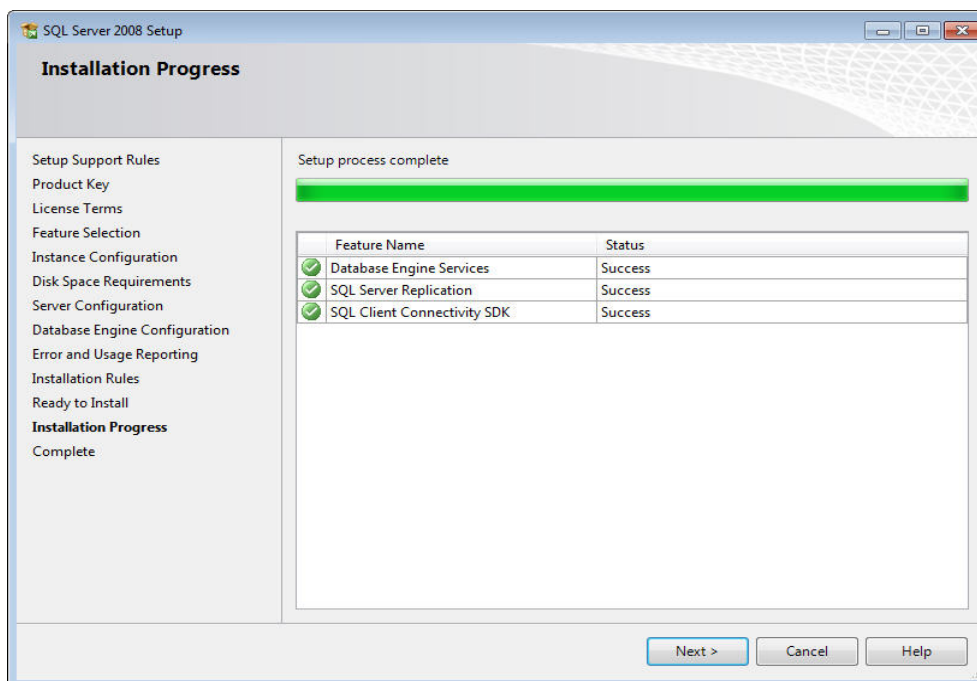


Figure 2-9-2-22

The installation is complete, click “Close) to exit (figure 2-9-2-23)

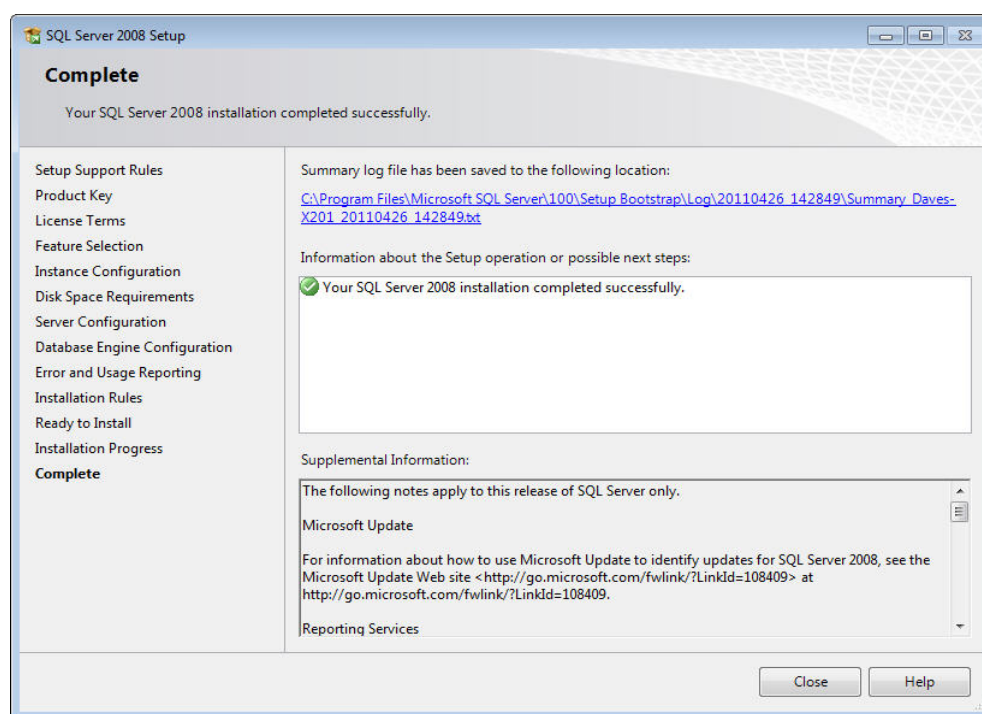


Figure 2-9-2-23

The PC will now need to be rebooted to make sure that the SQL server starts successfully.

Chapter 3 System Setup

3.1 Notes for Windows XP and Windows 7 Operating Systems

If Microsoft Windows 7 is being used then Microsoft .NET and Microsoft Server Express 2008 must have been downloaded and installed prior to running the SECUSYS 2000 software. Refer to Section 2.8.

The bundled SQL Database, MSDE, is not compatible with Windows 7.

Note that the following screen shots for the Microsoft Access and Microsoft Server Express 2008 are taken from a PC running the Windows 7 Operating System. If the software is being installed on PC running the Windows XP SP3 Operating System then screen shots may differ slightly. The screen shots for the MSDE installation are taken from a PC running Windows XP, SP3.

Windows 7 uses “User Account Control”. User Account Control should be turned off when running the SECUSYS 2000 Integrated Security Systems software. To turn off User Account Control go Start, Control Panel, System & Security, Change User Account Control Settings (figure 3-1-1). Move the slider to the “Never Notify” position then click OK.

Choose when to be notified about changes to your computer

User Account Control helps prevent potentially harmful programs from making changes to your computer.
[Tell me more about User Account Control settings](#)

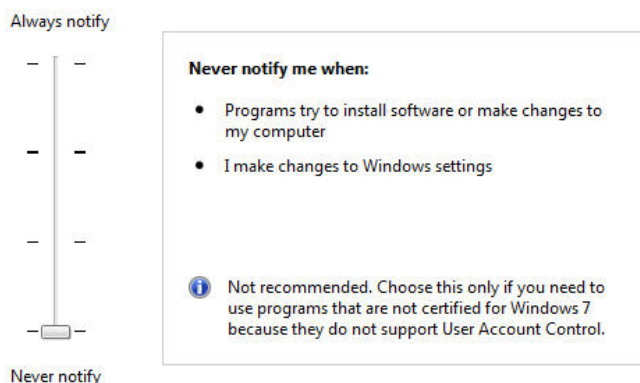


Figure 3-1-1

3.2 Opening the Software

Make sure the PC is directly connected to the SECUSYS access controller, or to the converter in the case of RS-232/485 connection, or is on the TCP/IP network if a TCP/IP connection to the controller is being used. ***If the PC does not have a serial port and a USB to RS-232 convertor is being used then refer to section 3.8 for setup.***



Figure 3-2-1

Click on the “SECUSYS 2000” Desktop Icon (figure 3-2-1) or click “Start, (All) Programs, SECUSYS 2000 Integrated Security Systems, SECUSYS 2000” to load the software. **Note that for the initial software running there will be a delay of a few seconds or so while the software attempts to connect to the default database. This is normal.**

Allow the firewall to access both Private and Public networks for Windows 7 (figure 3.2-2) or unblock for Windows XP (figure 3-2-3)



Figure 3-2-2



Figure 3-2-3

3.3 Selecting the Language

This screen is only shown once, (figure 3-3-1) however the language can also be changed from within the software. Click on the arrow to bring up the drop down menu then scroll to the required language, select it and click “OK”.



Figure 3-3-1

3.4 Selecting the Database – MS Access or MS SQL

An error message will now appear saying that the software cannot find the database, this is normal for the 1st time the software is run, (figure 3.4-1). Click “Yes” to proceed.

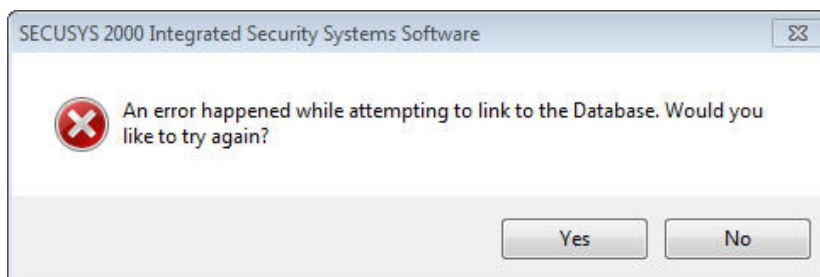


Figure 3-4-1

Select the database you wish to use then click “Next” to proceed (Figure 3-4-2). Note that the database can also be changed from within the software (refer to Section 6.6). For normal operation on a live site then **SQL should** be selected. SQL can be either the free versions of SQL, MSDE or Server Express 2008, or a licensed copy of Microsoft SQL 2005 or later. However for demonstration and training and testing purposes where only a single PC is being used then MS Access may be selected.

Note that Microsoft Access is not suitable for a live site where there are multiple PC’s accessing the SECUSYS Software.

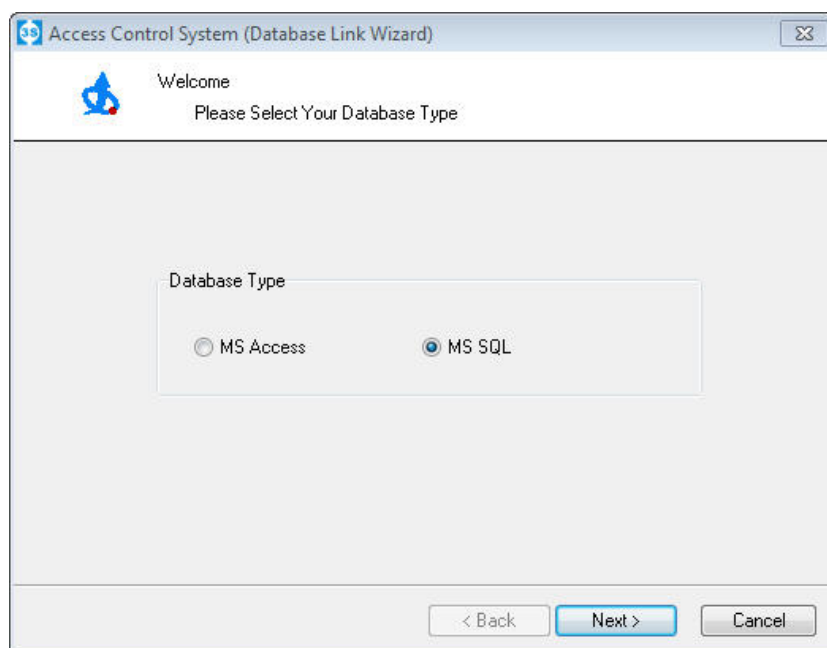


Figure 3-4-2

3.5 Microsoft Access Database Setup

If Microsoft Access has been selected as the preferred database, then proceed with section 3.5. If MS SQL MSDE has been selected as the preferred database then proceed with Section 3.6. If MS SQL Server Express 2008 has been selected as the preferred database then proceed with Section 3.7.

Select the MS Access Database file path (figure 3-5-1) by clicking on the file button to the right of the path. Normally this will be "C:\Program Files\SECUSYS\SECUSYS 2000 Integrated Security Systems\Data\Secusys 2000.mdb" A list of available Access Database files will be shown (figure 3-5-2). Double click the required database file (figure 3-5-2) then click ok to proceed (figure 3-5-3)

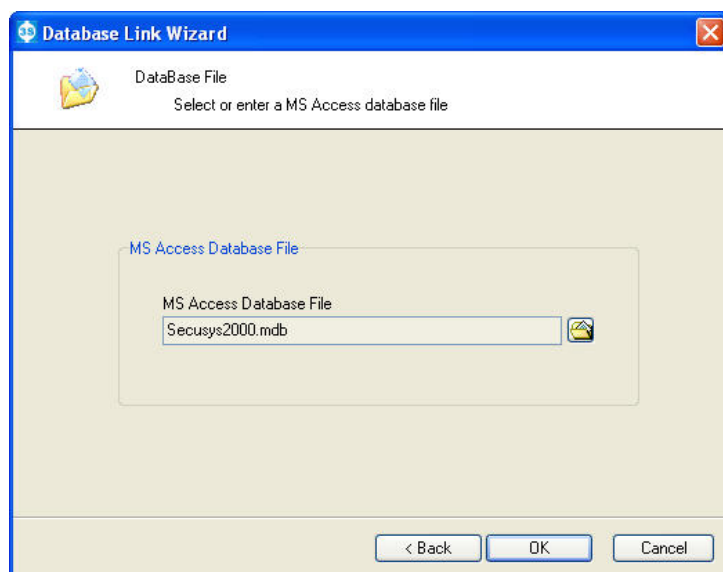


Figure 3-5-1

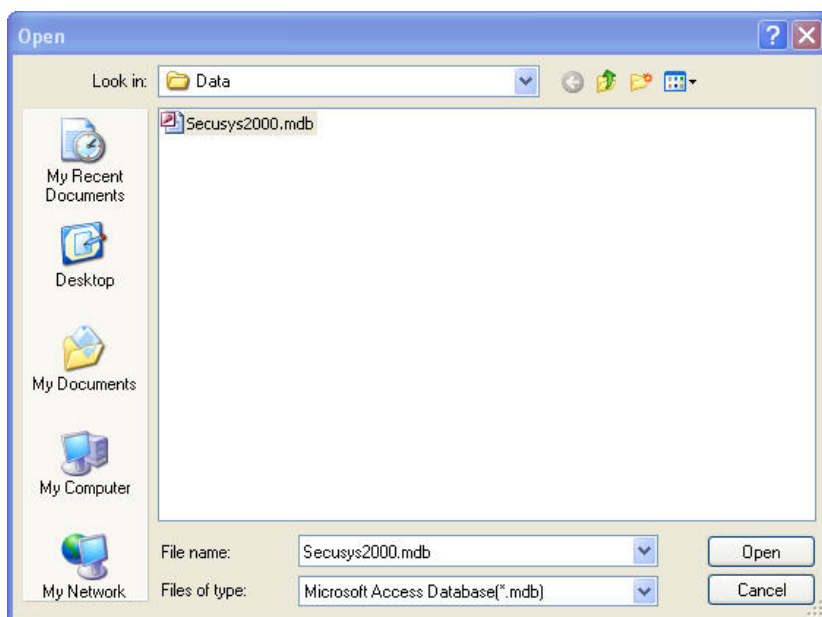


Figure 3-5-2

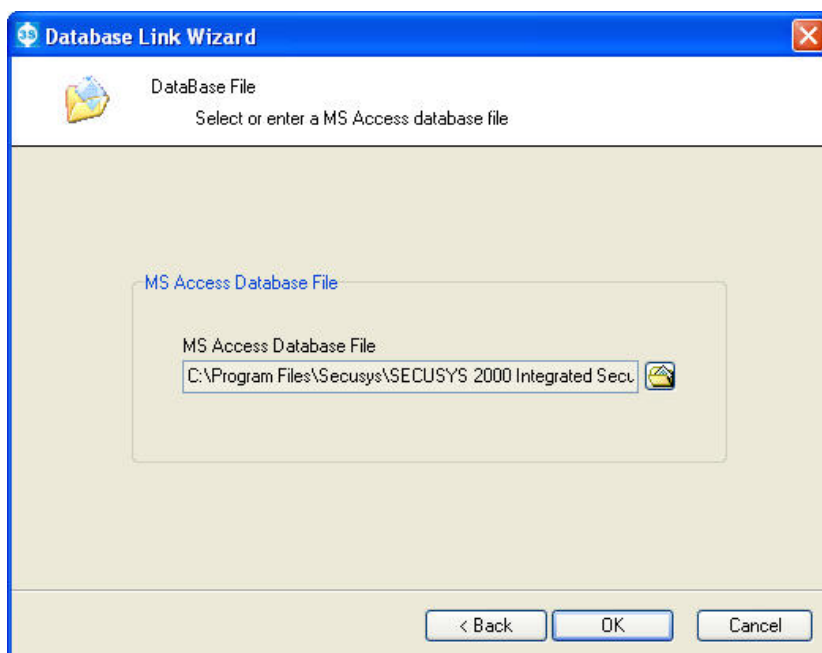


Figure 3-5-3

If an "Access Denied" message appears on a computer using the Windows 7 Operating System (figure 3-5-4) it means that User Account Control has not been disabled. Refer Section 3.1

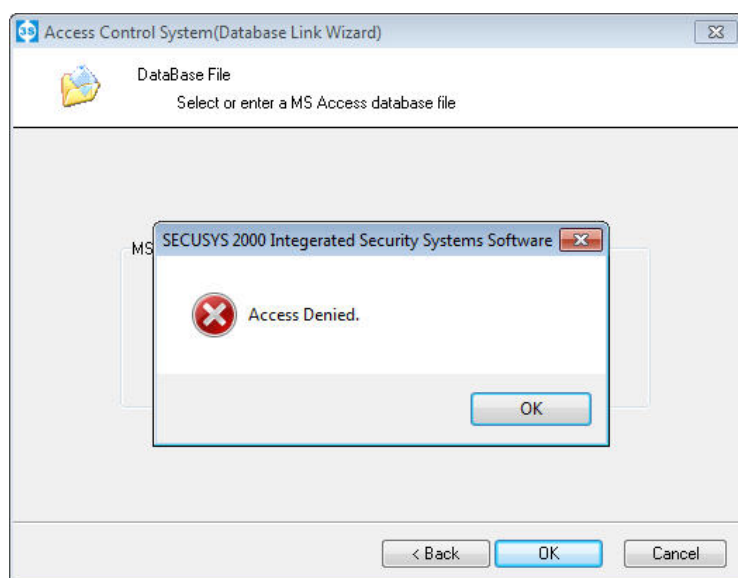


Figure 3-5-4

Click "OK" to proceed and it will take 10-20 seconds or so to set up the new database then either the login screen will appear (figure 3-5-5) or a message re the SECUSYS Dongle will appear (figure 3-5-6). Either way proceed to section 3.8.



Figure 3-5-5

Click "OK" to exit the MS SQL Connection Settings screen and it will take 10-20 seconds or so to set up the new database then either the login screen will appear (figure 3-6-6) or a message re the SECUSYS Dongle will appear (figure 3-6-7). Either way proceed to section 3.8.

3.6 Microsoft SQL MSDE Database Setup

If Microsoft Access has been selected as the preferred database, then proceed with section 3.5. If MS SQL MSDE has been selected as the preferred database then proceed with Section 3.6. If MS SQL Server Express 2008 has been selected as the preferred database then proceed with Section 3.7.

This section sets up Microsoft SQL MSDE as the database and is only to be used on a PC running the Windows XP, SP3 Operating System. MSDE is incompatible with Microsoft Windows 7.

Before proceeding with this section please ensure that the SQL MSDE database is installed and running. If the database is running an icon will appear on the taskbar (figure 3-6-1)



Figure 3-6-1

Right or double clicking this icon will bring up the SQL Server Manager window. This shows the machine name, S10-2 and shows with the green arrow that the SQL MSDE service is running. If MSDE has been installed as part of the SECUSYS software installation and has not started then it may need to be started manually or the computer will need to be rebooted.

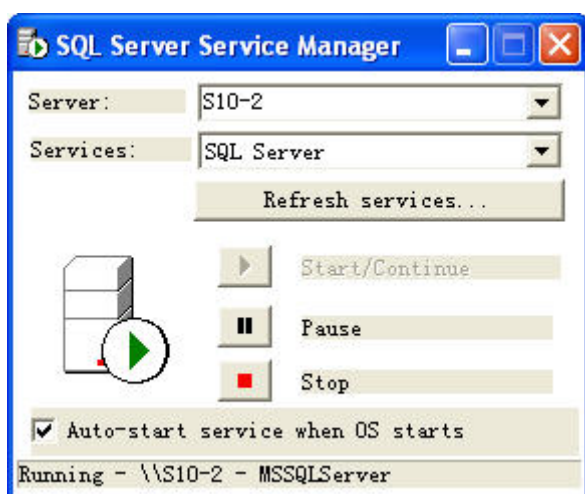


Figure 3-6-2

Once SQL has been selected as the database of preference (figure 3-4-2) then the MS SQL Connection Settings screen will appear (figure 3-6-3)

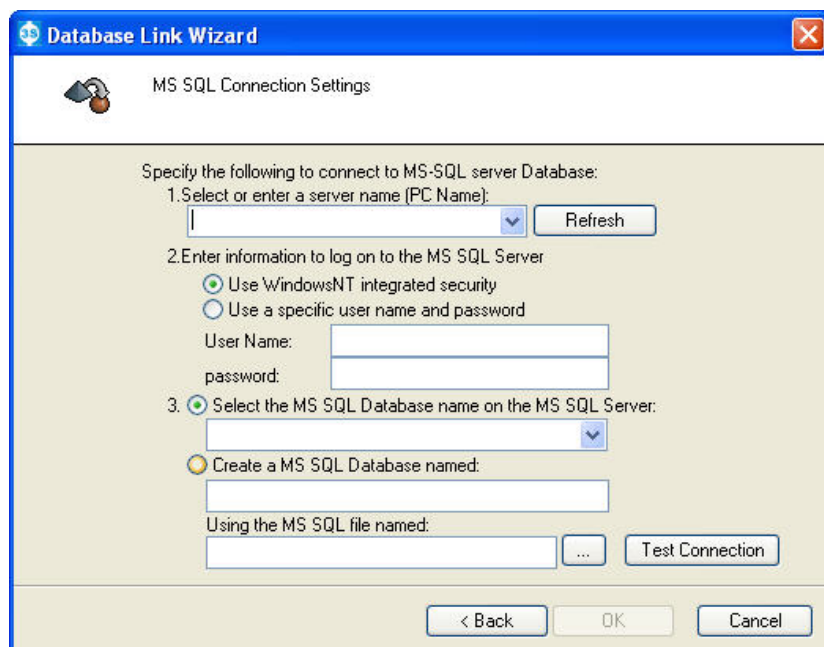


Figure 3-6-3

Prior to completing this screen the server name needs to be known. The server name can be found from the SQL Server Manager (figure 3-6-2) or right click the My Computer icon and go to the computer name tab (figure 3-6-4).

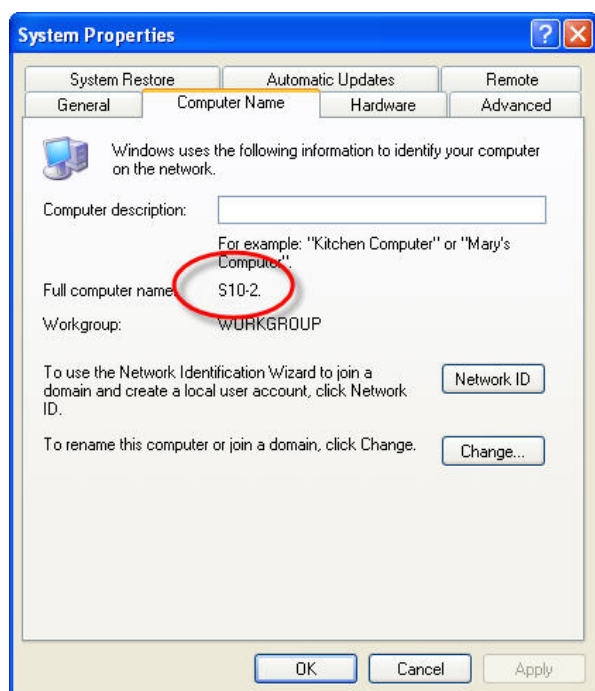


Figure 3-6-4

There are a few steps in completing the MS SQL Connection settings box.

The 1st step is to select a server name. This is the name of the PC that is running SQL and will normally be the same machine that the SECUSYS Integrated Security System software is being installed on and will be the same name as appears in figures 3-6-2 and 3-6-4 on the preceding pages. In the example below the server name is S10-2 (figure 3-6-4). To select this computer click on the arrow to the left of the refresh button (figure 3-6-2) and select the required computer name. If the computer name does not appear in the list click on the refresh button.

The 2nd step is to select how to login to the SQL Server. The default is to use WindowsNT integrated security although there is a user name and password option. Contact the IT Department for advice. For the user name and password option the user name is “sa” and the password is “secusys”. Refer to the text file that came with the software (figure 2-3-9).

The 3rd step is to select the database name and location. The 1st time this screen is accessed, the user needs to select the “Select the MS SQL database name on the SQL server” option, click on the drop down box arrow and select the “Secusys 2000” database.

Once these steps are completed then click on the test connection button (figure 3-6-4)

Database Link Wizard

MS SQL Connection Settings

Specify the following to connect to MS-SQL server Database:

1. Select or enter a server name (PC Name):

S10-2 Refresh

2. Enter information to log on to the MS SQL Server

☐ Use WindowsNT integrated security

☒ Use a specific user name and password

User Name: sa

password:

3. ☒ Select the MS SQL Database name on the MS SQL Server:

Secusys2000

☐ Create a MS SQL Database named:

Secusys2000

Using the MS SQL file named:

C:\Program Files\Secusys\SECUSYS 2000 In ... Test Connection

< Back OK Cancel

Figure 3-6-4

If the database can be found the “Connection Tested Successfully” box will appear (figure 3-6-5). Click “OK” to exit back to the MS SQL Connection Settings screen.

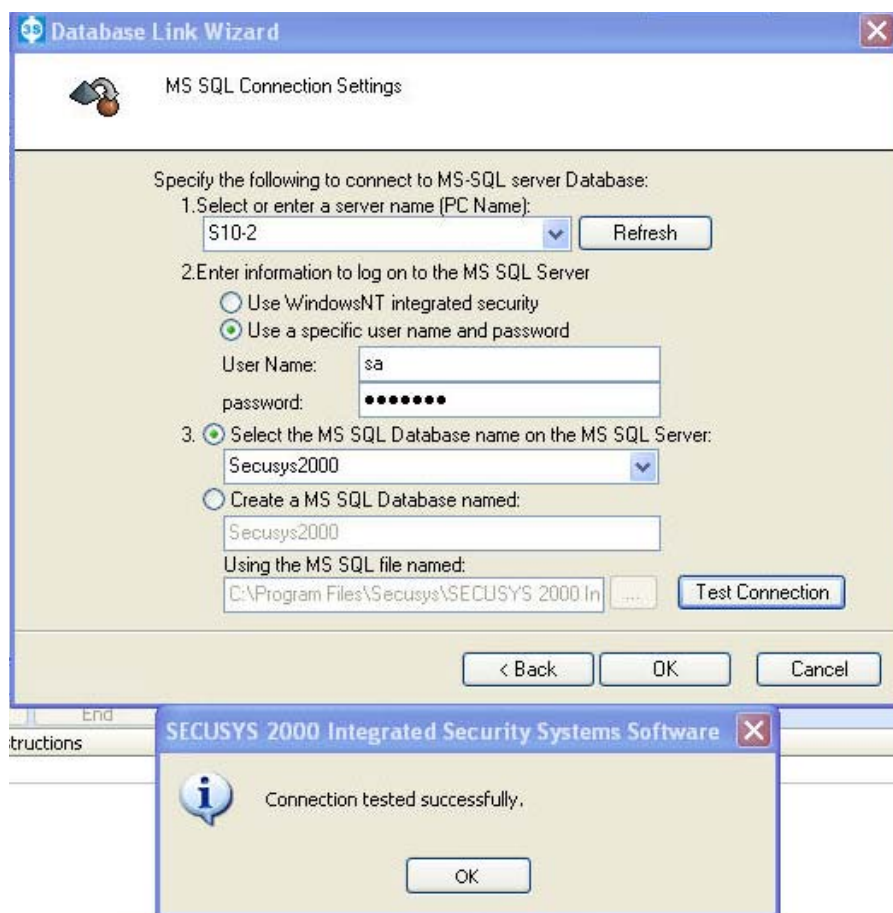


Figure 3-6-5

Click "OK" to exit the MS SQL Connection Settings screen and it will take 10-20 seconds or so to set up the new database then either the login screen will appear (figure 3-6-6) or a message re the SECUSYS Dongle will appear (figure 3-6-7). Either way proceed to section 3.8.



Figure 3-6-6

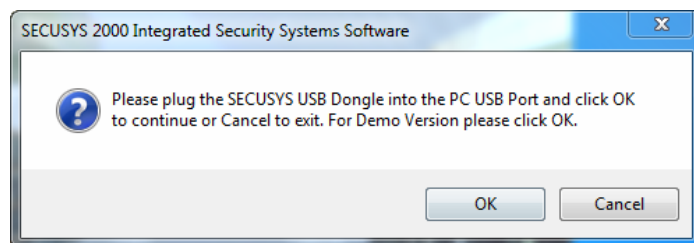


Figure 3-6-7

3.7 Microsoft SQL Server Express 2008 Setup

If Microsoft Access has been selected as the preferred database, then proceed with section 3.5. If MS SQL MSDE has been selected as the preferred database then proceed with Section 3.6. If MS SQL Server Express 2008 has been selected as the preferred database then proceed with Section 3.7.

Note that if SQL Studio Management is to be used then this needs to be installed prior to SQL Server Express 2008.

This section sets up Microsoft SQL Server Express 2008 as the database. Before you select the “MS SQL” option, please ensure that SQL Server (SQLEXPRESS) is running. If the MSSQL Service is not running then an error will result (figure 3-7-1). **The computer will need a reboot after the installation of SQL Server Express.**

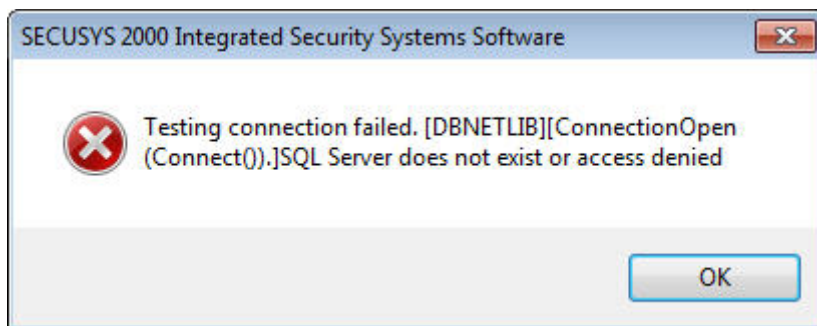


Figure 3-7-1

To check that the service is running Click Start, (All) Programs, Microsoft SQL Server 2008, Configuration Tools, SQL Server Configuration Manager (figure 3.7-2)

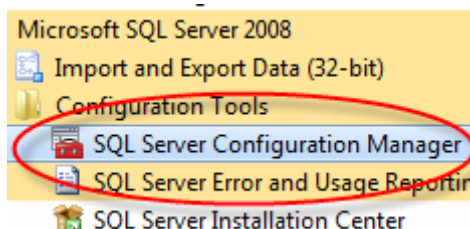


Figure 3-7-2

The top line shows that the SQL Server (SLEXPRESS) is running (figure 3-7-3).

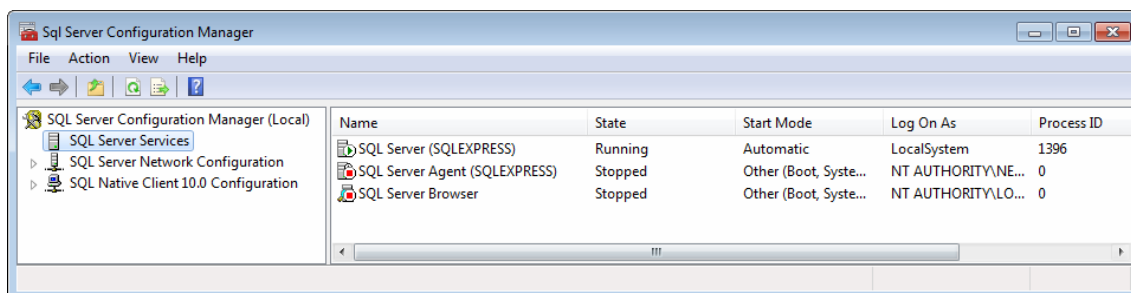


Figure 3-7-3

Another way is to go to the Task Manager, click on Services and check that the MSSQL Service is running (figure 3-7-4)

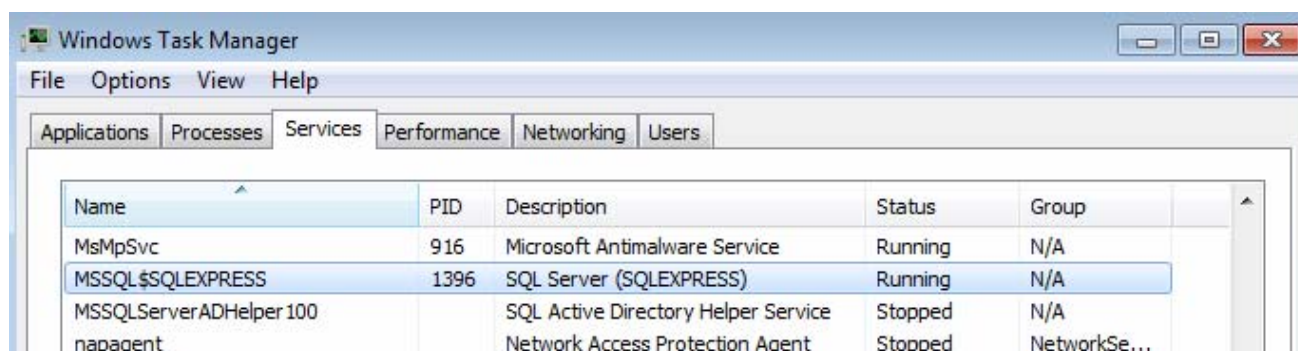


Figure 3-7-4

Once SQL has been selected as the database of preference (figure 3-4-2) then the MS SQL Connection Settings screen will appear (figure 3-7-5)

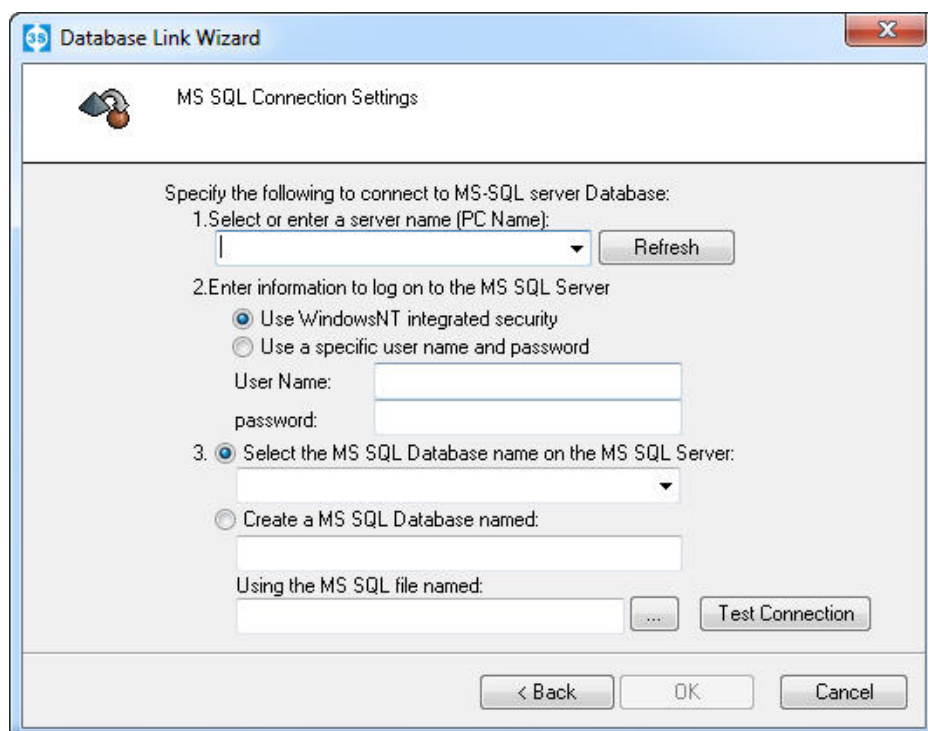


Figure 3-7-5

The 1st step is to name the server. Click on the drop down box under the "Select or enter a server name" and the PC name should appear. If it does not then click refresh. If it still does not then right click on the "My Computer" icon and Click Properties (figure 3-7-6) The machine name is listed as the Computer Name. Enter this PC name in manually (Once entered type the following after the server name without the quotation marks "SQLEXPRESS" (figure 3-7-7).

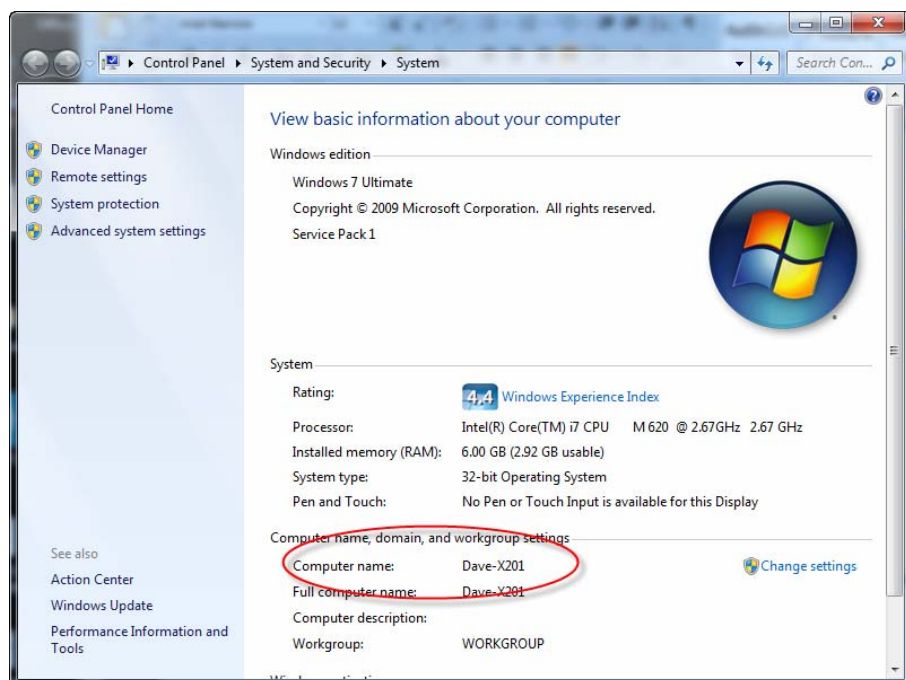


Figure 3-7-6

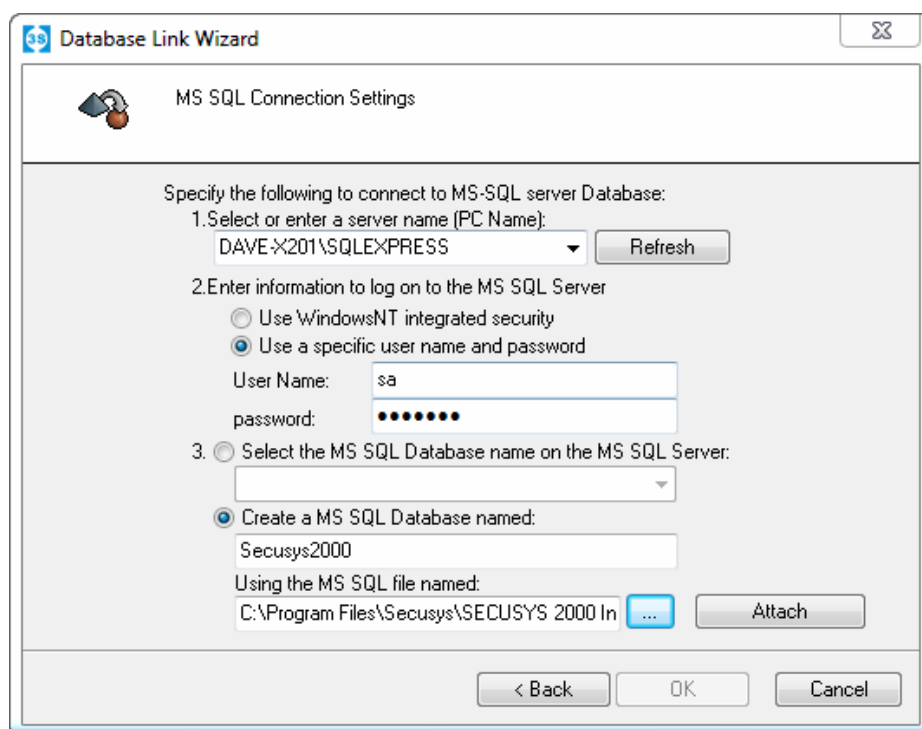


Figure 3-7-7

The 2nd step is to enter a User Name and Password. These are in the original SN.txt file supplied with the software and are “sa” for the user name and “secusys” for the password.

The 3rd step is to Create a SQL Database. Select “Create a MS SQL Database named” then click on the 3 dots to the left of the Test Connection button. The supplied Secusys 2000 database is located by default at C:\Program Files\Secusys\Secusys 2000 Integrated Security Systems\Data” (figure 3-7-8).

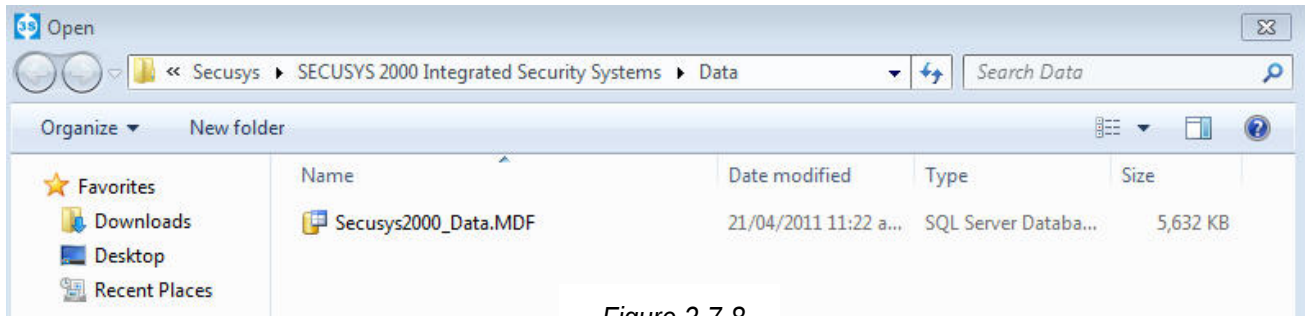


Figure 3-7-8

Double click this database and it will appear under “Using the MS SQL file named” box (figure 3-7-7). Then check the option next to No 3 and click on the drop down box under the “Select the MS SQL Database name on the MS SQL Server” box. Select SECUSYS 2000 (figure 3-7-9). The screen should now look identical to the screen below with the exception of the server name (figure 3-7-9)

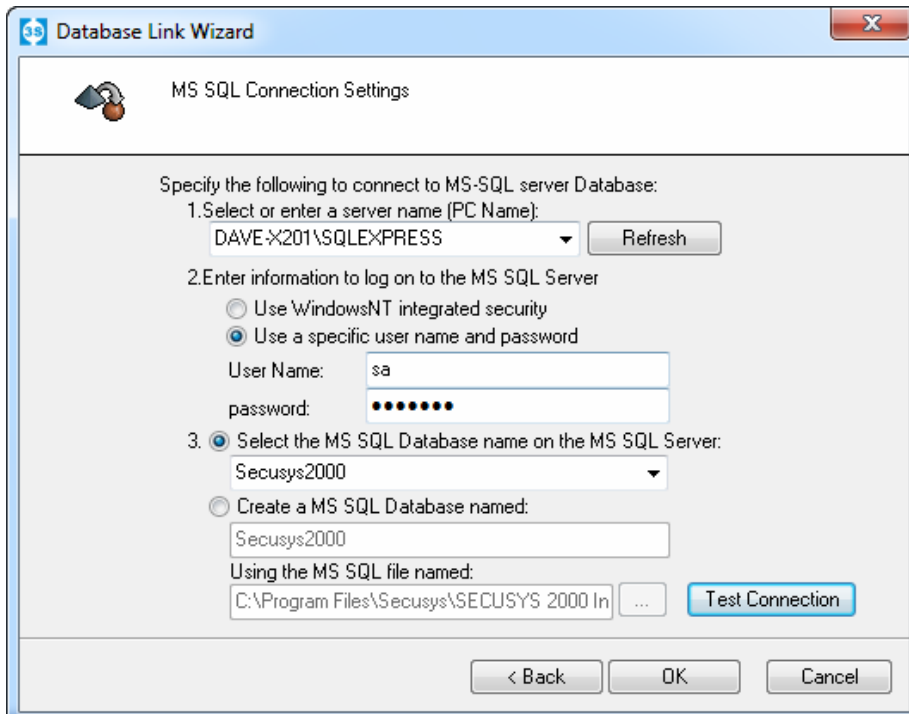


Figure 3-7-9

Click on the Test Connection box and the “Connection tested successfully” box will appear (figure 3-7-10)

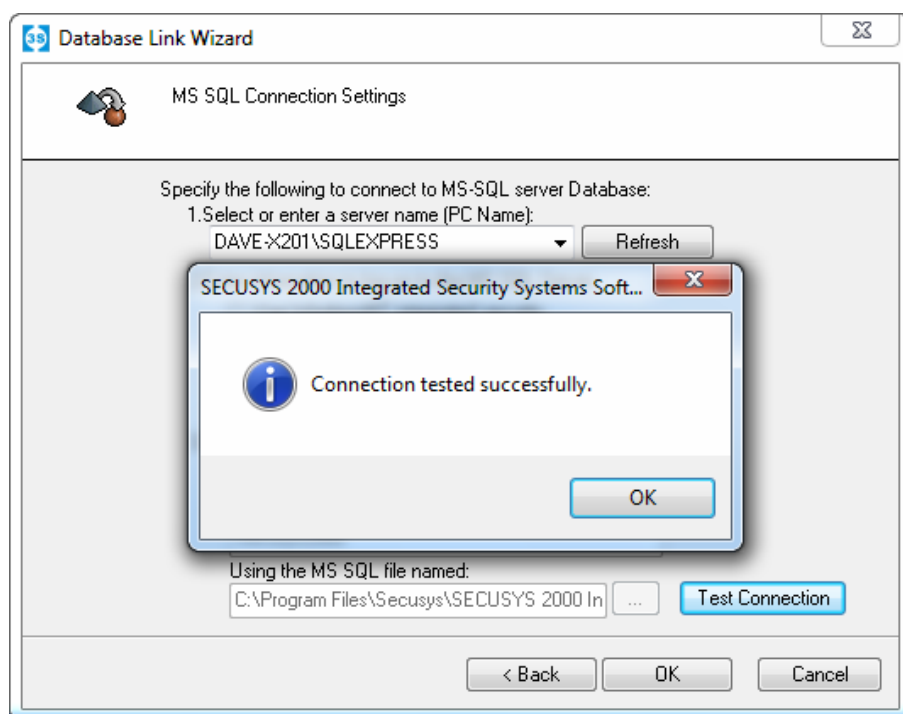


Figure 3-7-10

Click “OK” to exit the MS SQL Connection Settings screen and it will take 10-20 seconds or so to set up the new database then either the login screen will appear (figure 3-7-11) or a message re the SECUSYS Dongle will appear (figure 3-7-12). Either way proceed to section 3.8.



Figure 3-7-11

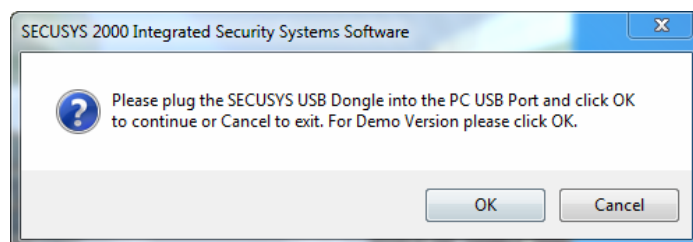


Figure 3-7-12

3.8 Hardware Key & SECUSYS Main Login Window

Once the respective database has been set up then the software will automatically continue to the main login screen (figure 3-8-2). However the software is protected by a USB Hardware Key which must be inserted into a USB port before the software will load. If the hardware key has not yet been plugged into a USB port on the same computer then do it now and click “OK” (figure 3-8-1). Note that Demo versions do not require the use of a Hardware Key. If a Demo version is being used then click “OK” without inserting the hardware key. In Demo mode the software will still run but functions will be limited.

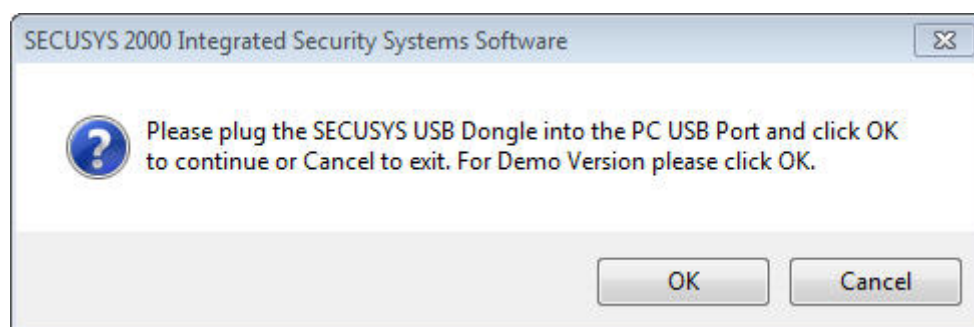


Figure 3-8-1

The login welcome screen will appear (figure 3-8-2). The default login is “Administrator” and the default login password is “secusys”. Enter “secusys” and click “Login”



Figure 3-8-2

The SECUSYS 2000 Integrated Security Systems software main screen will now appear (figure 3-8-3)

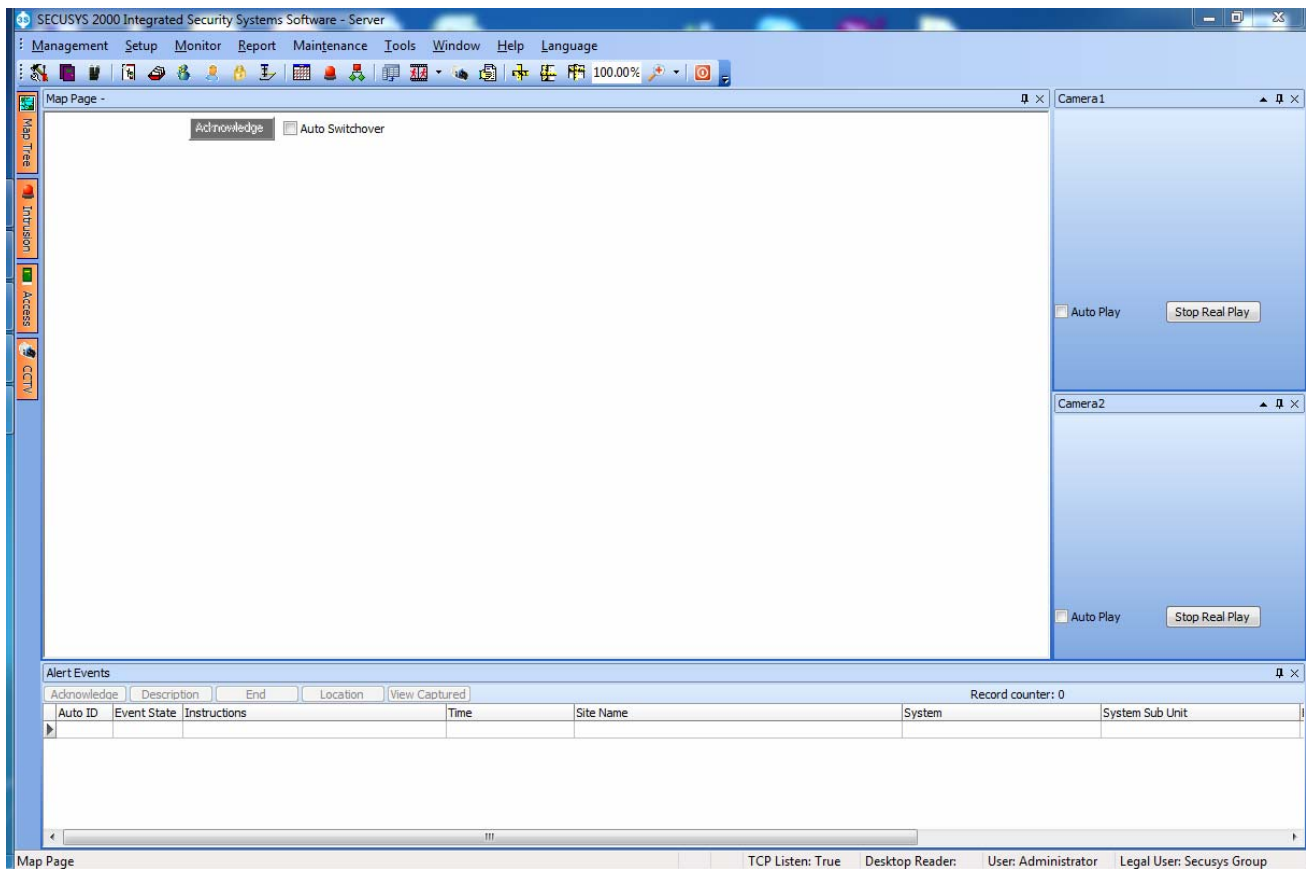


Figure 3-8-3

3.9 USB to RS-232 Adapters

SECUSYS does not recommend the use of portable USB to RS-232 convertors. Many of these devices in the market are unstable and do not offer a true RS-232 Port. The preferred option is for the server PC to have a serial card inserted into the PC. However if a portable USB to RS-232 adaptor is used then the following section should be read.

If the PC being used does not have an internal RS-232 Serial Port and an external USB to RS-232 adaptor is required, then this adaptor needs to be set up prior to running the SECUSYS software. If no adaptor is required then proceed to section 5.

Note the following screen shots are from Windows XP. The same logic applies if Windows 7 is being used.

Plug in the adaptor into a free USB port and run the software provided **or** run the software provided with the adaptor first then plug the adaptor in when requested to.

Windows allocates different Com Port addresses depending upon the USB port that the adapter is plugged into. To see what Com Port Windows has allocated, plug in the adaptor to a free USB port and open Device Manager. This can be done by right clicking on the “My Computer” icon on the desktop and selecting “Manage” from the drop down menu. (Figure 3-10-1) The Computer Management screen, (Figure 3-10-2) will appear.

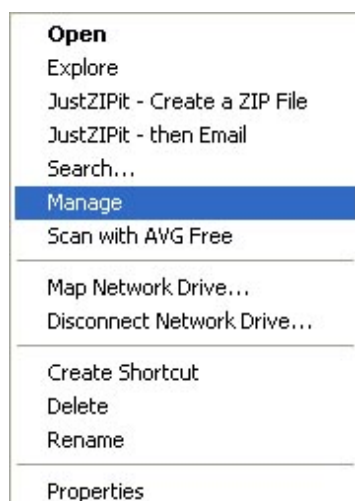


Figure 3-9-1

From the Computer Management screen (Figure 3-9-2), click on Device Manager in the left hand column then click on Ports in the right hand panel. Take note of the Com Port that Windows has allocated (Figure 3-9-2). If the Ports option does not appear in the right hand panel then Windows is not recognizing the Com Port. Make sure that the correct drivers that came with the USB to Serial adaptor have been loaded. The Com Port listed in Device Manager must be the same as the Com Port specified in the software under COM Port Settings. Make sure the Desktop reader COM Port is not set to the same COM Port as above (Section 7.8) or it will conflict.

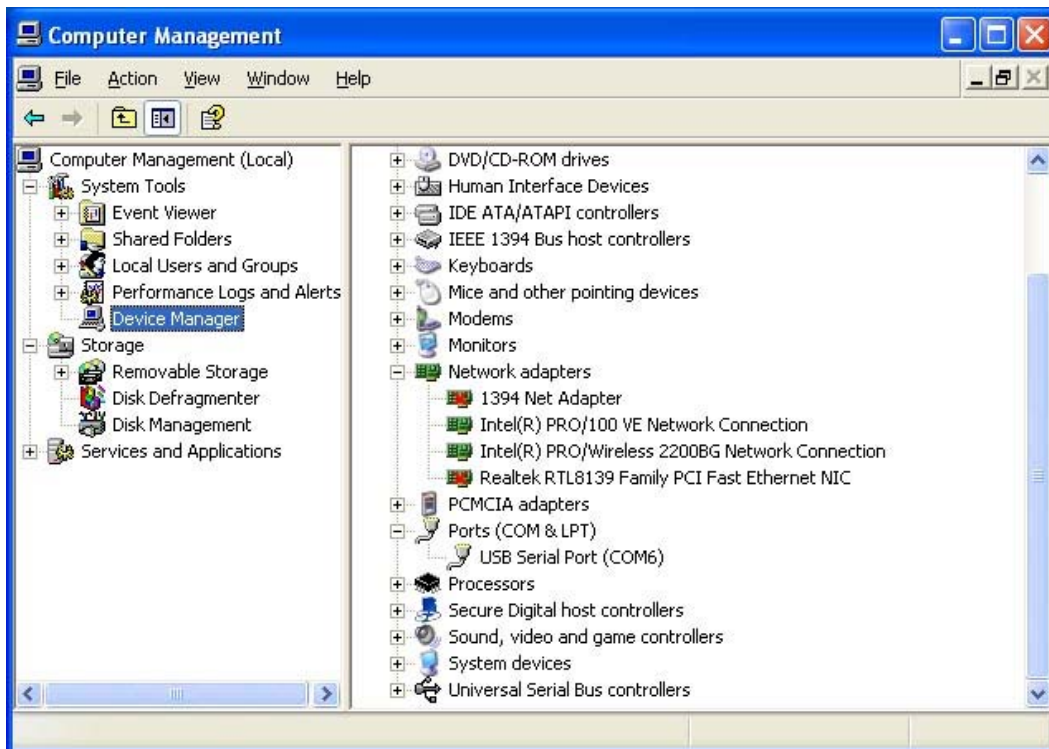


Figure 3-9-2

3.10 Installing a Client

The SECUSYS software allows for the installation of up to 100 Clients. A Client is a computer other than the Server computer that is running the SECUSYS 2000 software and needs to connect to the server database.

3.10.1 Microsoft Access Client

Microsoft Access is suitable for a single machine only. It is not suitable for larger sites or where the database needs to be connected to by remote clients. However should the Access Database need to be viewed from a Client PC then proceed with the following:

The 1st step is the folder containing the MS Access database on the server machine must be shared. If you are using the default Access database and have installed it in the default directory then the path will be C:\Program Files\SECUSYS\SECUSYS 2000 Integrated Security Systems\Data. This Data directory needs to be shared.

For a PC running Windows 7 go start then your user name then in the left hand panel go to C:\Program Files\Secusys\Secusys 2000 Integrated Security Systems. Highlight the Data folder, right click then click Share With, Advanced Sharing. The Data Properties window will appear (figure 3-10-1-1) Click on the “Advanced Sharing” button

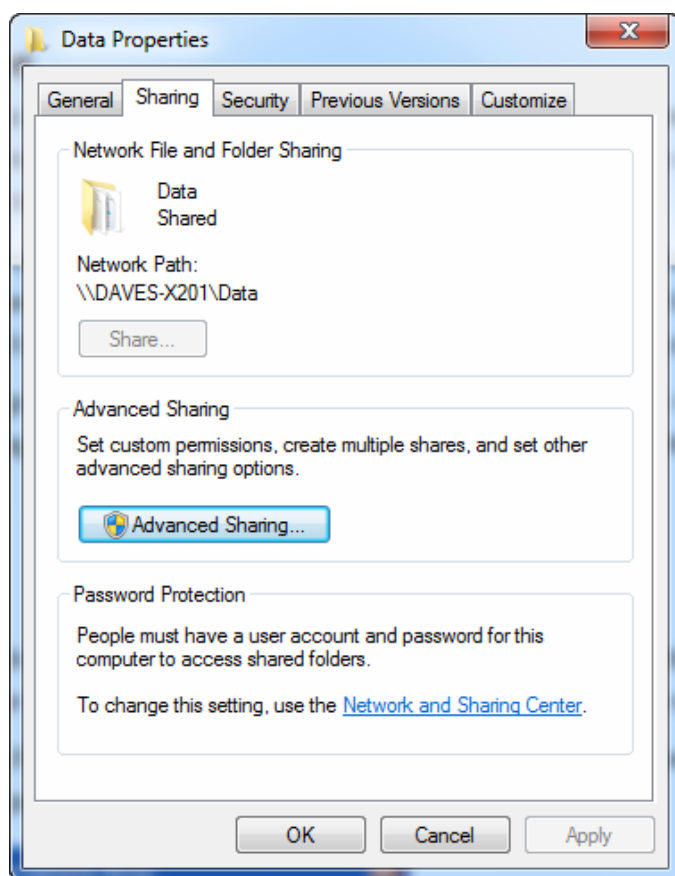


Figure 3-10-1-1

Tick the “Share this folder” box then click Permissions (figure 3-10-1-2)

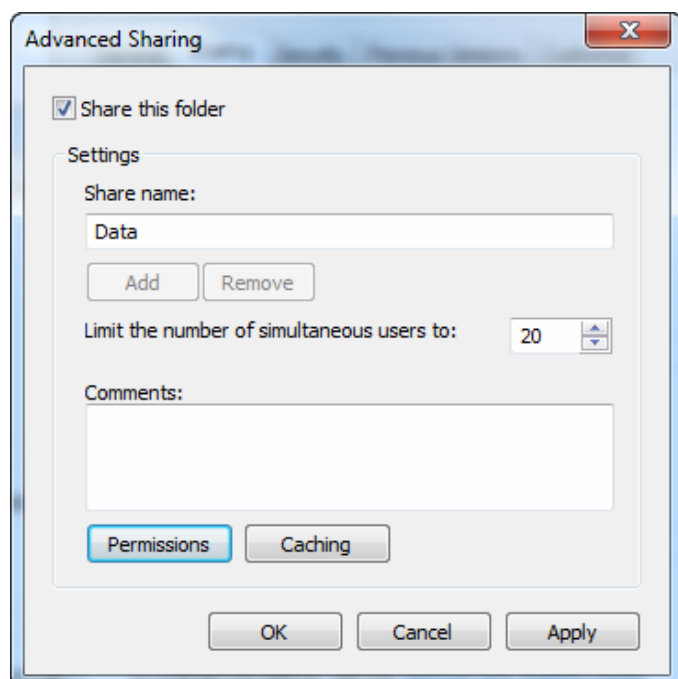


Figure 3-10-1-2

Check that Everyone has Change & Read permissions (figure 3-10-1-3) then click OK, Apply, OK, OK ,OK

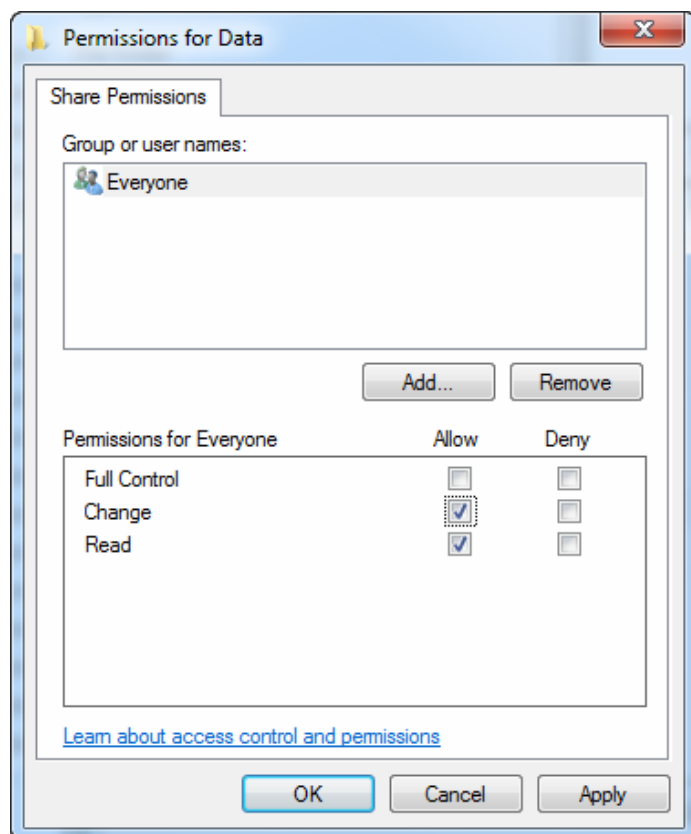


Figure 3-10-1-3

Once the “Data” directory is shared the 2nd step is to load the SECUSYS software on the client machine as per chapter 2.2 however select “Install the Client” at the Select Install Type screen (figure 3-10-1-4).

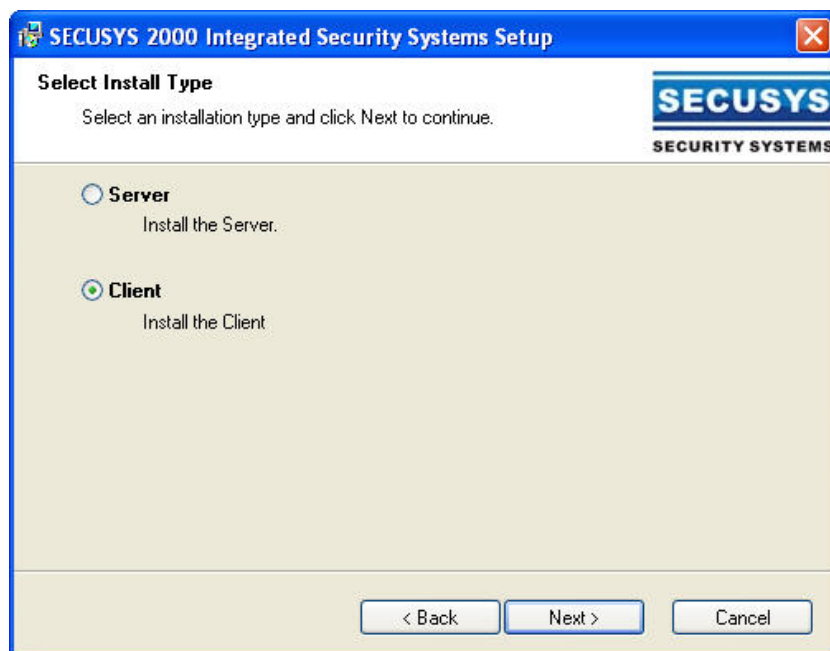


Figure 3-10-1-4

Enter the IP address of the server (figure 3-10-1-5) If this is unknown go to the server, open the CMD prompt and type IPCONFIG. The Servers IP address will be listed. Once entered click “Next”

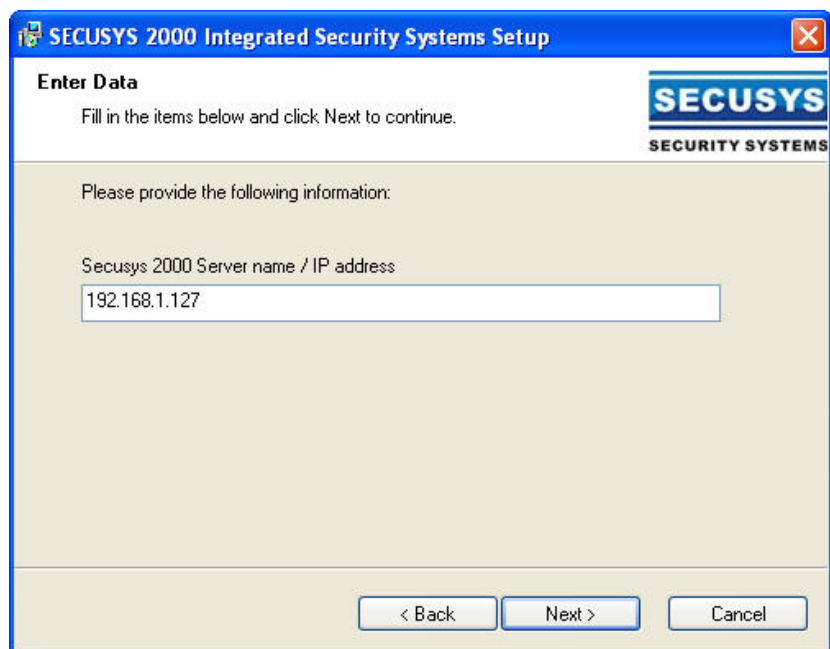


Figure 3-10-1-5

Remove all the ticks except for the SECUSYS basic software then click “Next” (figure 3-10-1-6).

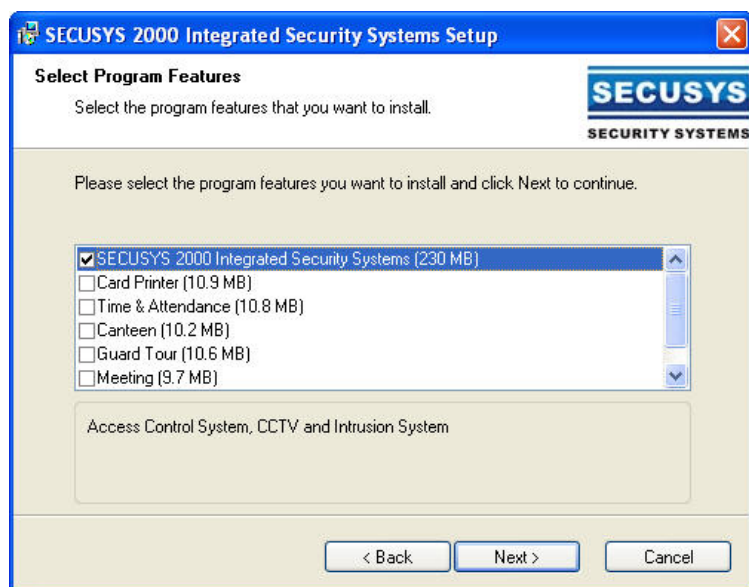


Figure 3-10-1-6

Keep on clicking next until the message re installing the Softdog Hardware Key drivers appears. Select “No” then “Finish” to exit the installer.

Once the program is installed on the client then run it on the client. The Database error screen will appear, click “Yes” to select the database type (figure 3-10-1-7)

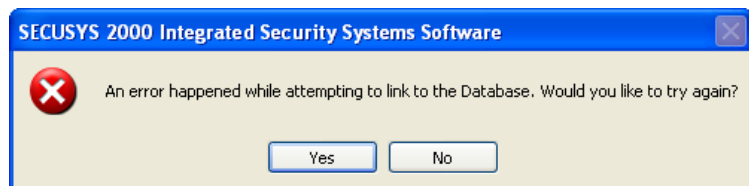


Figure 3-10-1-7

Click “MS Access” then “Next” (figure 3-10-1-8) and the next Database Link Wizard screen will appear (figure 3-10-1-10).

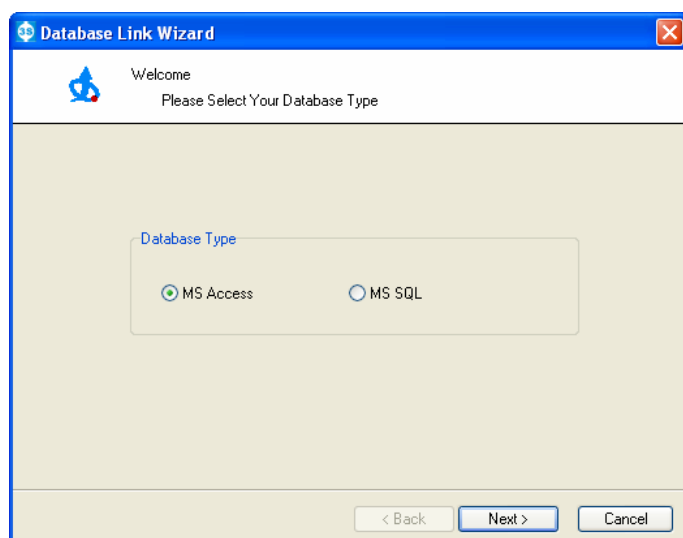


Figure 3-10-1-8

Click the folder to the right of the box (figure 3-10-1-10) and search the network for the server PC and click on the shared Data directory then highlight the Secusys2000.mdb file and click Open (figure 3-10-1-9)

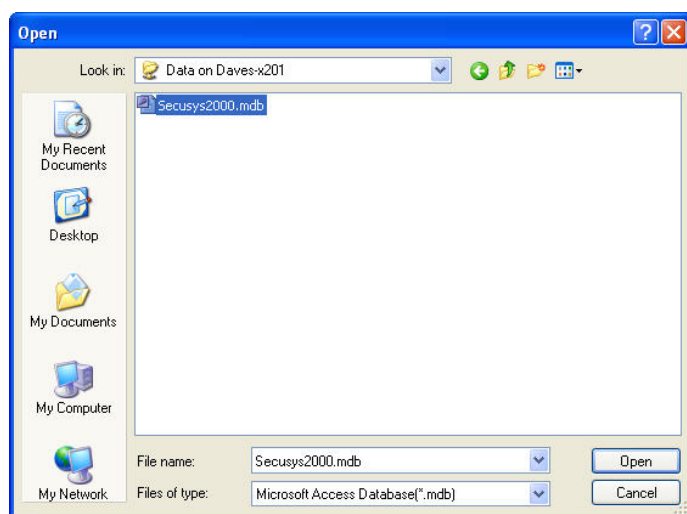


Figure 3-10-1-9

The correct path should now appear (figure 3-10-1-10). Click "OK" to continue.

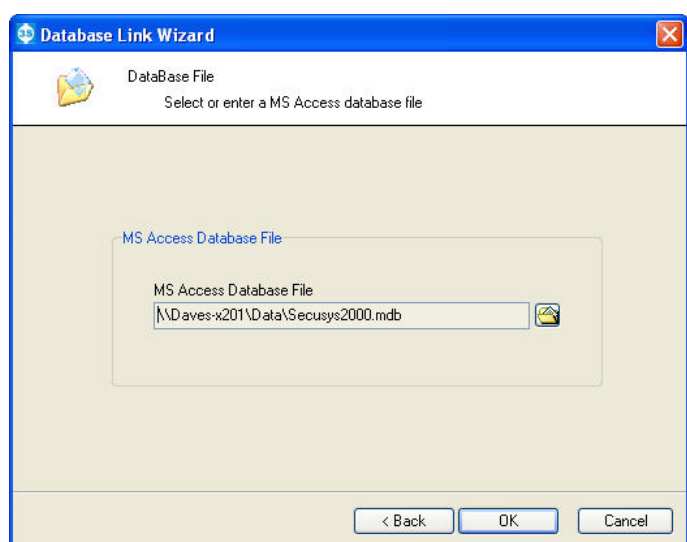


Figure 3-10-1-10

The main SECUSYS login window will now appear (figure 3-10-1-11) Login using the same credentials as the server.



Figure 3-10-1-11

3.10.2 Microsoft SQL Client

By default SQL Server Express 2008 does not allow remote connections. So before the client is configured the SQL Server Express 2008 needs to be configured. To enable remote connections on a Server running SQL Server 2008 the SQL Server Browser service needs to be running. (SQL Server Browser listens for incoming requests for Microsoft SQL Server resources and provides information about SQL Server instances installed on the computer) and the TCP/IP protocol for SQL Server 2008 Express to accept remote connections needs to be enabled.

Also it pays to make sure that the Server Authentication is SQL Server and Windows Authentication. By default, SQL Server 2008 Express allows only Windows Authentication mode so you can connect to the SQL Server with current user log-on credentials. If you want to specify a user for connection to the SQL Server, you have to change Server Authentication to SQL Server and Windows Authentication. This should have been set up when the SQL installation was done but check now.

To Enable the Browser service open SQL Server Configuration Manager. Click Start, Programs, Microsoft SQL Server 2008, Configuration Tools, SQL Server Configuration Manager (figure 3-10-2-1).

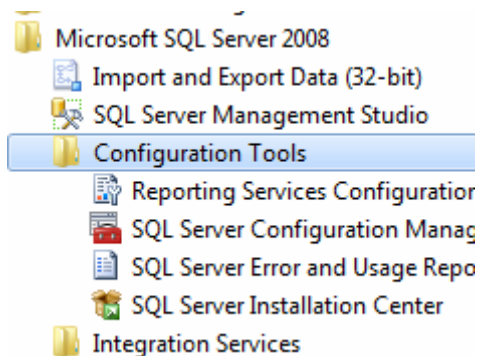


Figure 3-10-2-1

On the SQL Server Configuration Manager, select SQL Server Services in the left window. In the right window you will see three services. The SQL Server Browser services needs to be running (figure 3-10-2-2) If it is not running then it needs to be started.

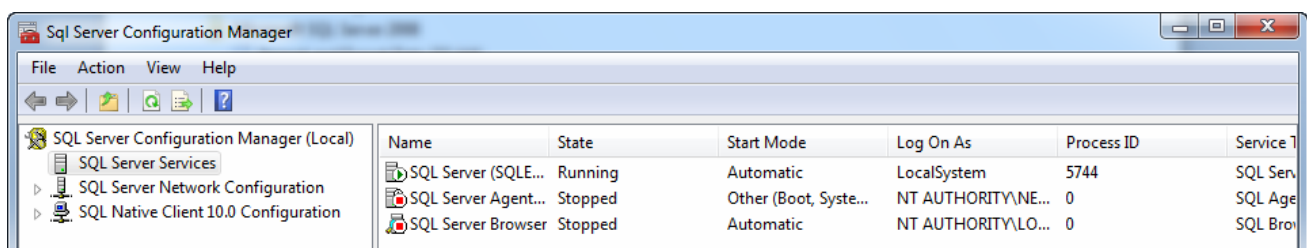


Figure 3-10-2-2

Double-click on the SQL Server Browser and the Properties window will appear. Set the account for starting SQL Server Browser Service as the Local Service account then click the “Start” button (figure 3-10-2-3).

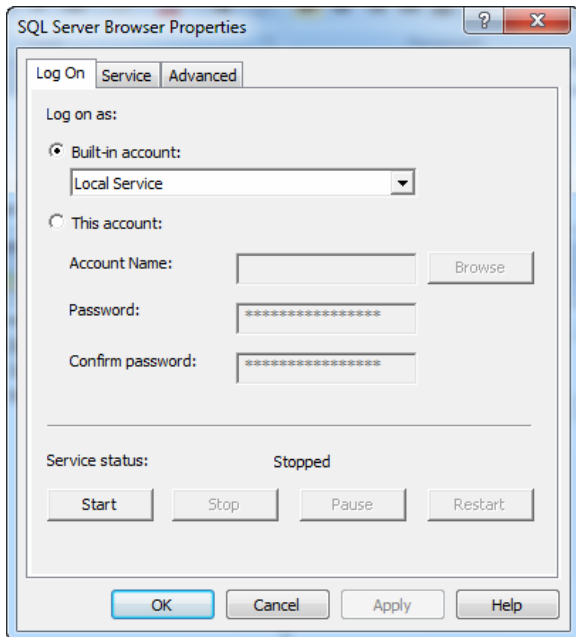


Figure 3-10-2-3

On the SQL Server Browser Properties screen, move to the Service tab and change the Start Mode to Automatic so the service starts automatically when the computer starts. Click “Apply” then “OK” (figure 3-10-2-4)

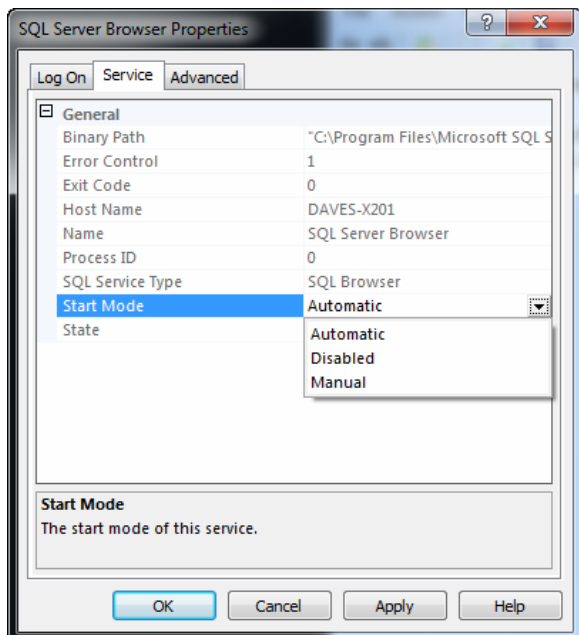


Figure 3-10-2-4

Go back to SQL Server Configuration Manager, right-click on SQL Server Browser on the right window and select Start to start the service (figure 3-10-2-5).

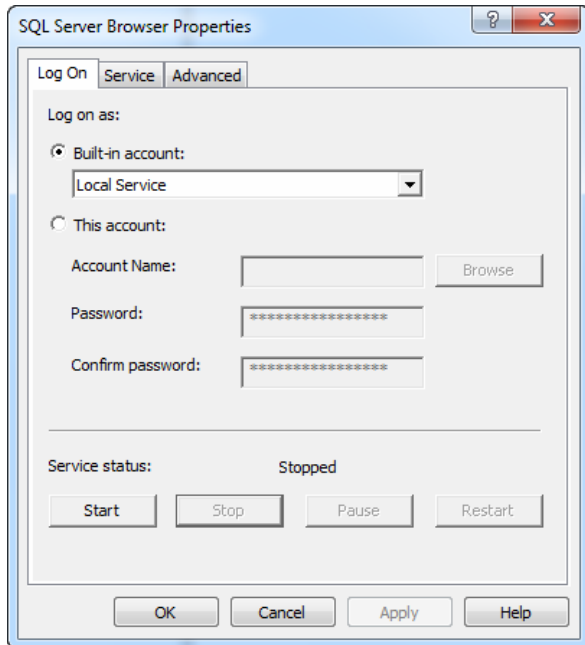


Figure 3-10-2-5

The SQL Server Browser Service should now be running (figure 3-10-2-6).

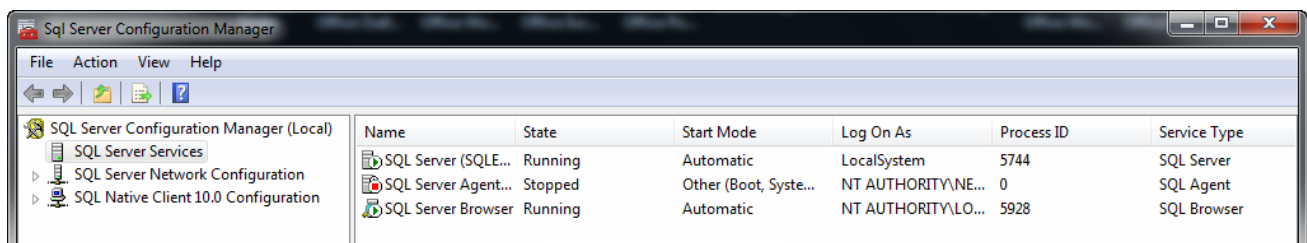


Figure 3-10-2-6

To Enable the TCP/IP Protocol, in the left window, expand SQL Server Network Configuration then click on Protocols for SQLEXPRESS. The TCP/IP Protocol is disabled by default (figure 3-10-2-7).

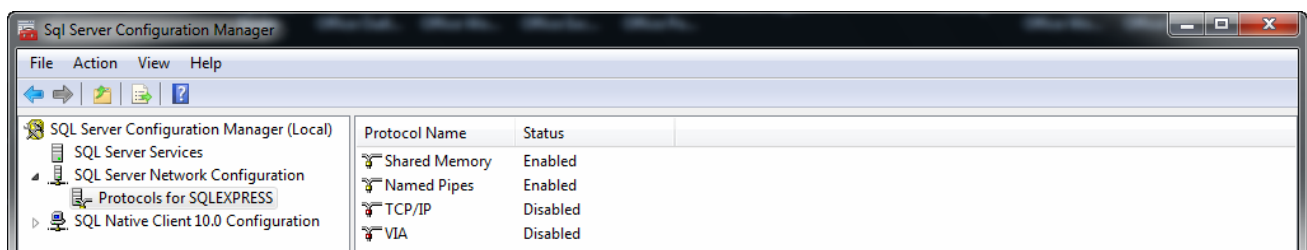


Figure 3-10-2-7

Highlight then click on TCP/IP in the right hand panel to bring up the TCP/IP Properties window. Click on the arrow to the right of Enabled and select “Yes (figure 3-10-2-8)” Click Apply and the Warning screen will appear (figure 3-10-2-9) Click “OK” then “OK” on the TCP/IP Properties window to exit. Check that TCP/IP is now enabled (figure 3-10-2-10)

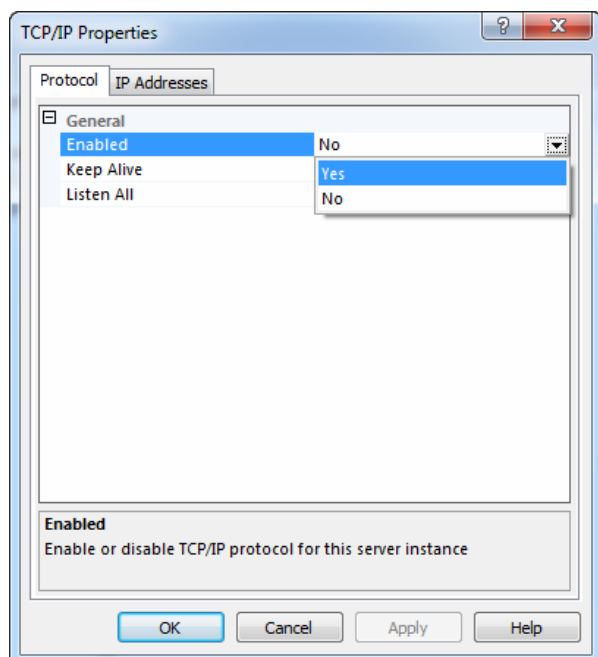


Figure 3-10-2-8

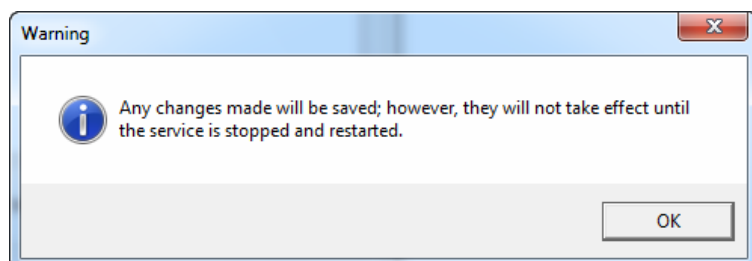


Figure 3-10-2-9

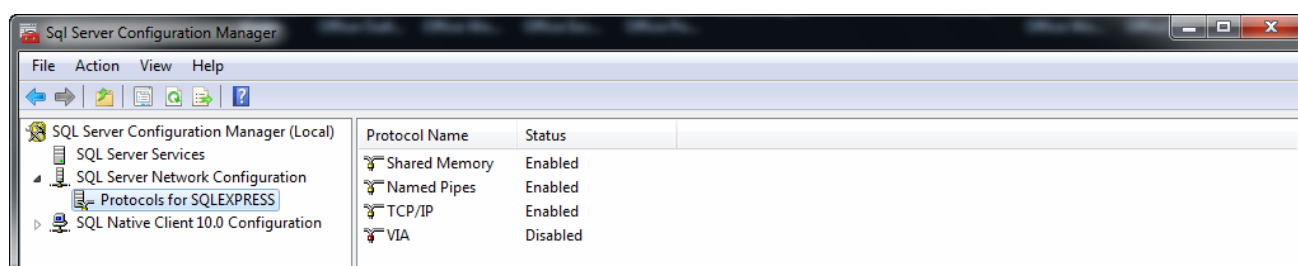


Figure 3-10-2-10

On the left window, select SQL Server Services. Select SQL Server (SQLEXPRESS) on the right window, right click to bring up the menu then click “Restart” (figure 3-10-2-11) The SQL Server service will restart.

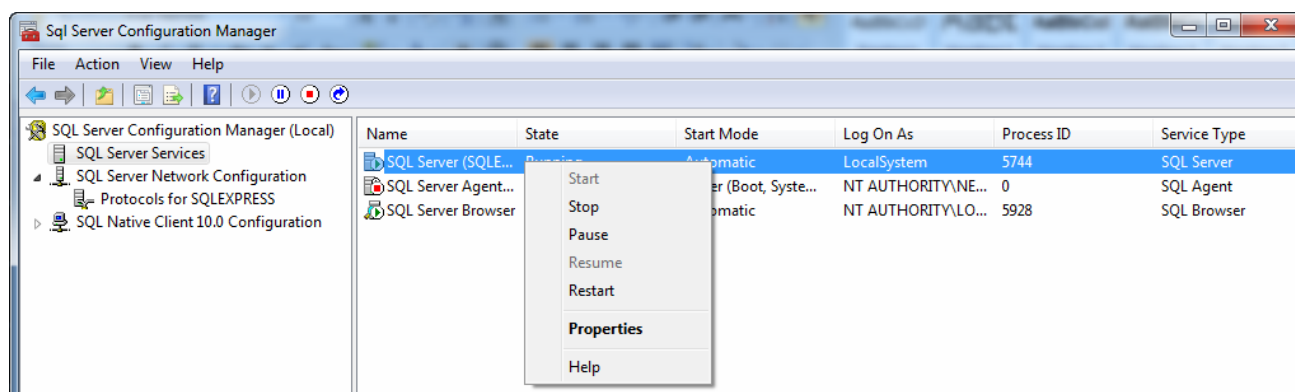


Figure 3-10-2-11

The next step is to check that the Server Authentication is SQL Server and Windows Authentication. This should have been configured using the installation but it pays to check it now. Open Microsoft SQL Server Management Studio (figure 3-10-2-12).

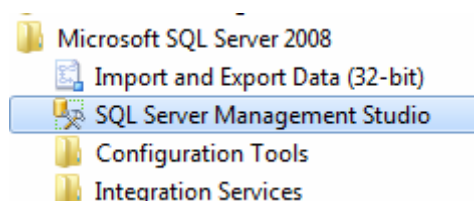


Figure 3-10-2-12

The SQL Connect to Server window will appear. Click “Connect” to connect to SQL Server 2008 Express. (figure 3-10-2-13)

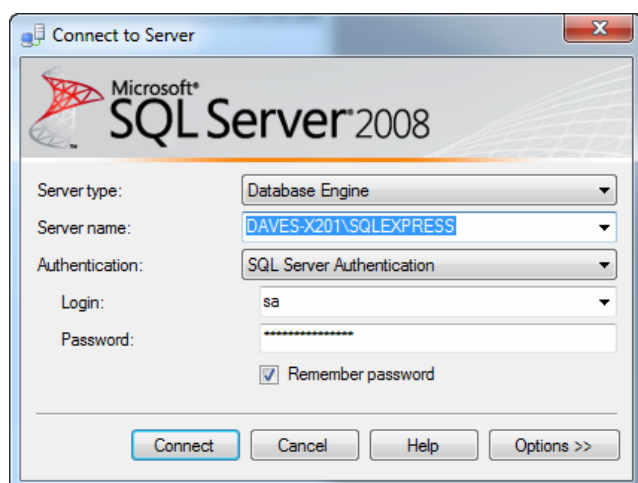
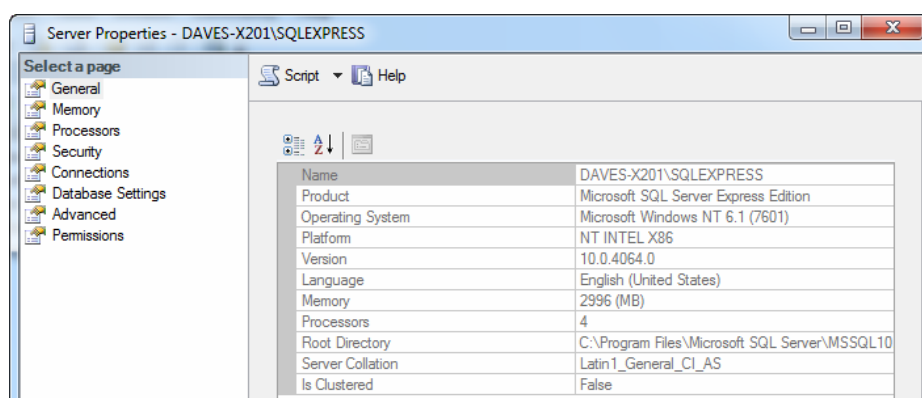
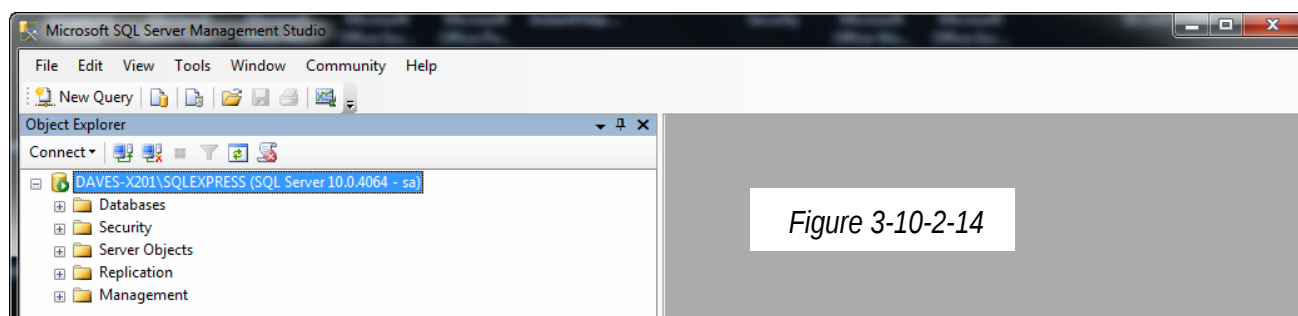


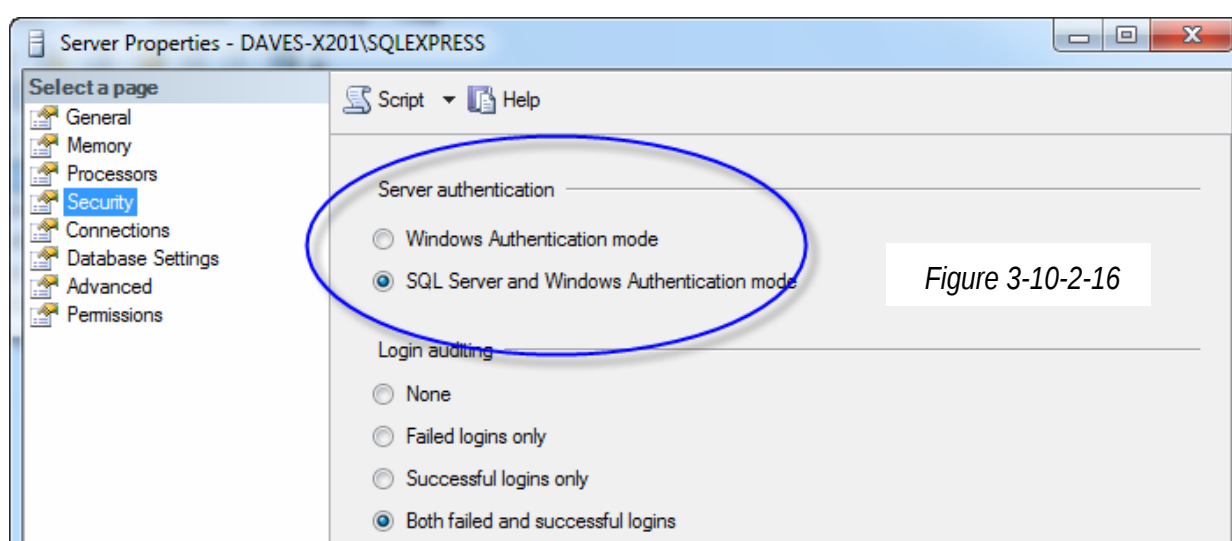
Figure 3-10-2-13

When the SQL Server Management Studio screen opens (figure 3-10-2-14), right click on the Server Instance

and select Properties. The Server Properties screen will open (figure 3-10-2-15)



On the Server Properties screen, select Security in the left window, then check that the SQL Server and Windows Authentication mode box is ticked (figure 3-10-2-16). If not, tick it, accept the warning, then right click on the Server Instance and restart the server for the changes to take effect.



Now that the SQL Server has been configured to allow remote connections the client can be set up.

Run the SECUSYS installation file as if installing a server, enter your name, organization and the serial number however when the screen appears asking if you want to install a server or client, select the Client box and click "Next" (figure 3-10-2-17)

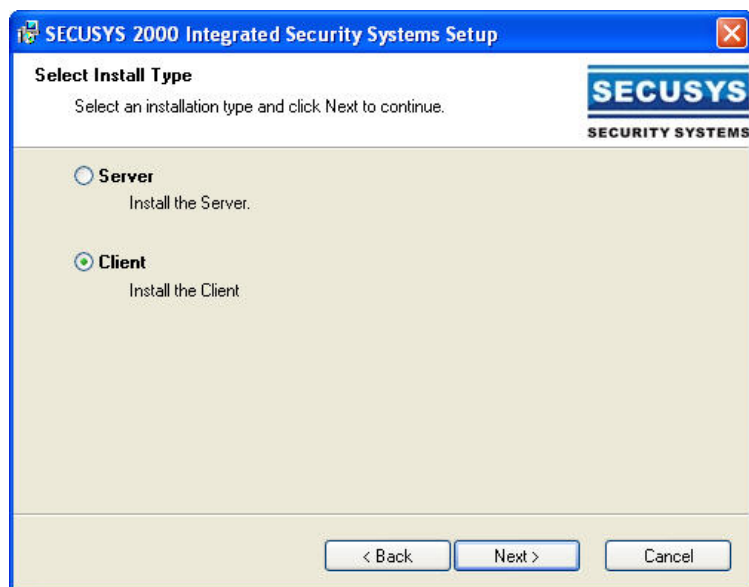


Figure 3-10-2-17

Enter the IP address of the server (figure 3-10-2-18) If this is unknown go to the server, open the CMD prompt and type IPCONFIG. The Servers IP address will be listed. Once entered click "Next"

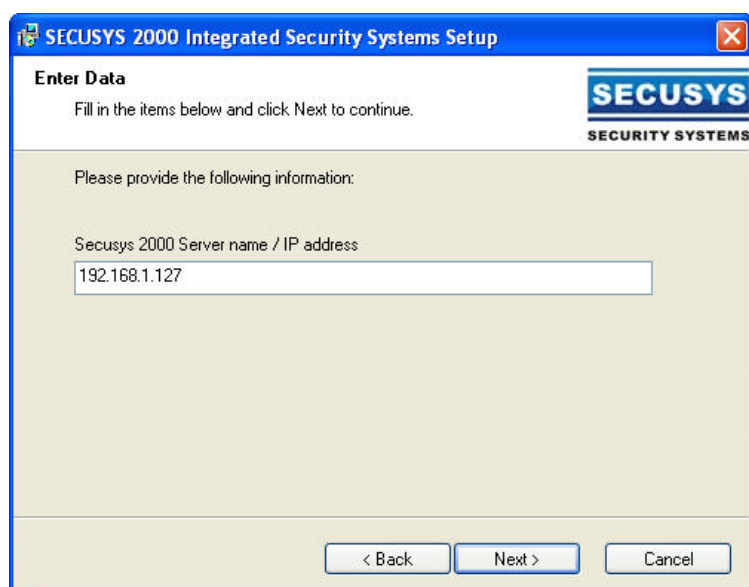


Figure 3-10-2-18

Remove all the ticks except for the SECUSYS basic software then click “Next” (figure 3-10.2-19).

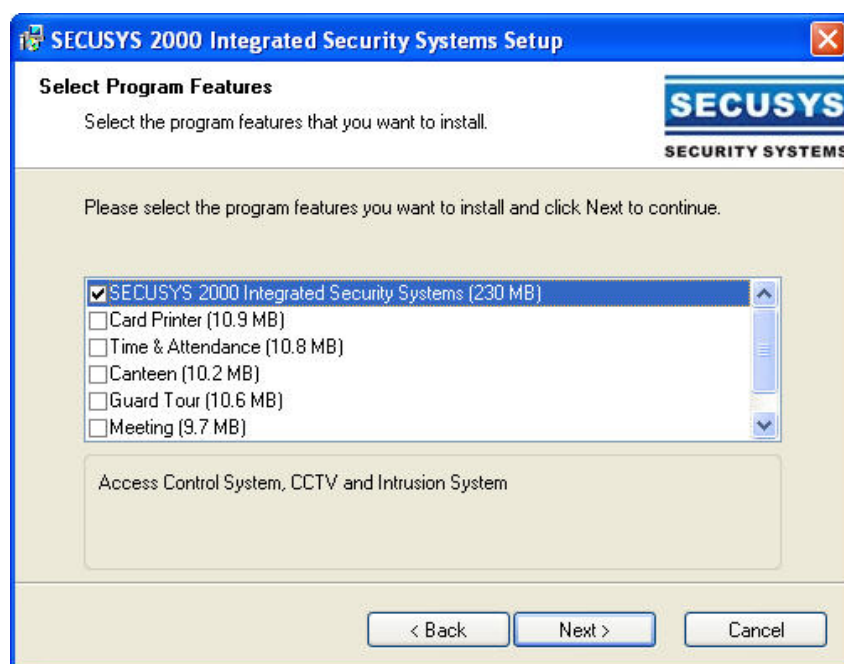


Figure 3-10-2-19

Keep on clicking next until the message re installing the Softdog Hardware Key drivers appears. Select “No” then “Finish” to exit the installer.

Double click on the SECUSYS icon on the clients desktop to start the program. Because this is the 1st time that it has been run on the client it may take 1-2 minutes before the database error screen appears (figure 3-10-2-20). Click “Yes” to start the process to link to the Server Database.

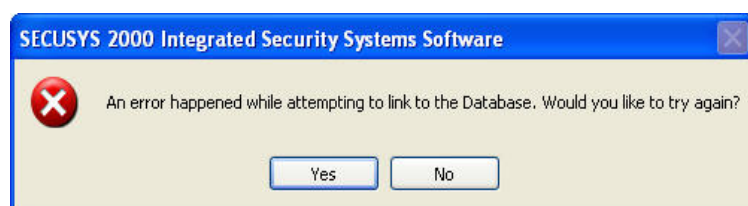


Figure 3-10-2-20

Select MS SQL then click on the “Next” button (figure 3-10-2-21)

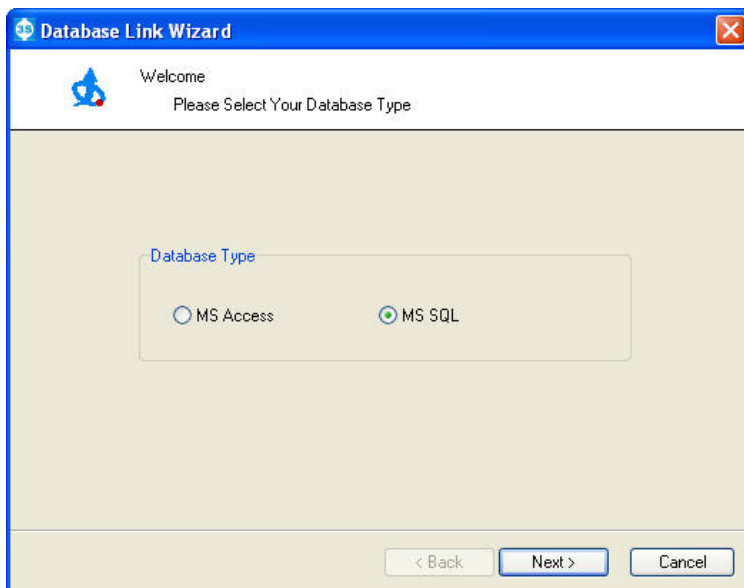


Figure 3-10-2-21

The SQL connections screen will appear (figure 3-10-2-22)

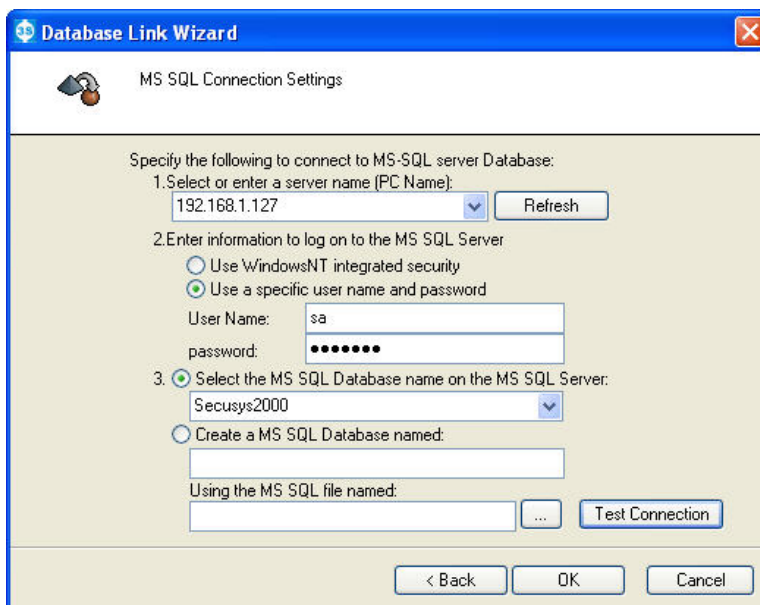


Figure 3-10-2-22

If the SECUSYS server is using Microsoft SQL Server Express 2008 then amend the PC name to read the server PC IP address followed by \SQLEXPRESS (figure 3-10-2-23) Set up as per the below example then click on the “Test Connection” button to check that the database is accessible.

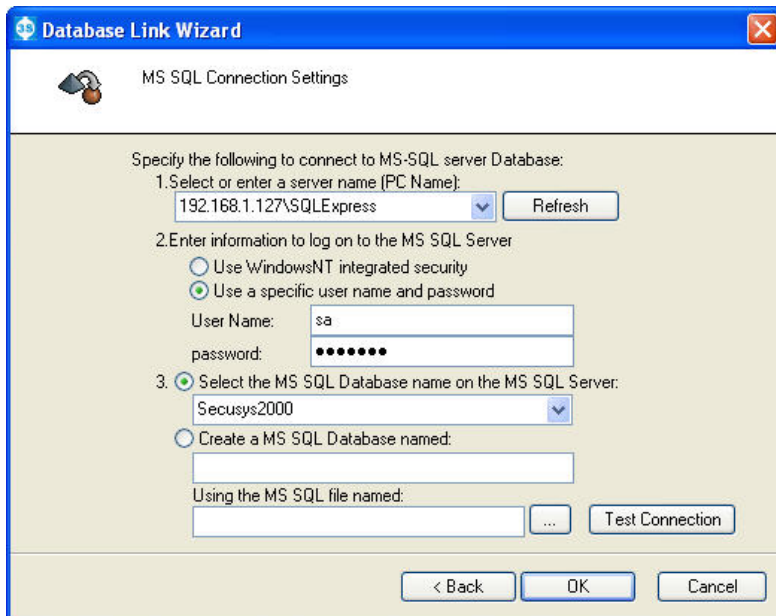


Figure 3-10-2-23

If the Database can be accessed then the Connection Tested Successfully message will appear (figure 3-10-2-24)

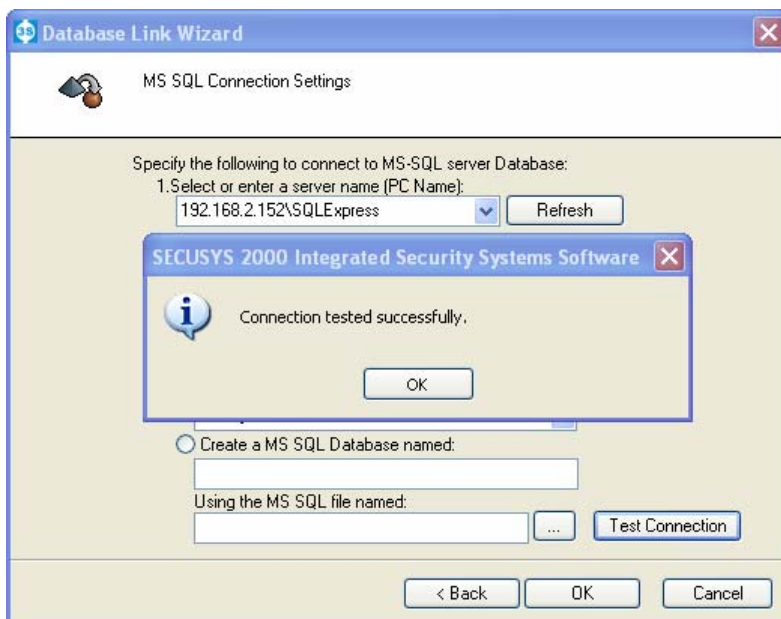


Figure 3-10-2-24

If instead of the Tested Successfully Message, an error message appears then there is something stopping the connection (figure 3-10-2-25). The 1st thing to check is the Firewall on the server. Go Start, Control Panel, Windows Firewall to open the Windows Firewall (figure 3-10-2-26)

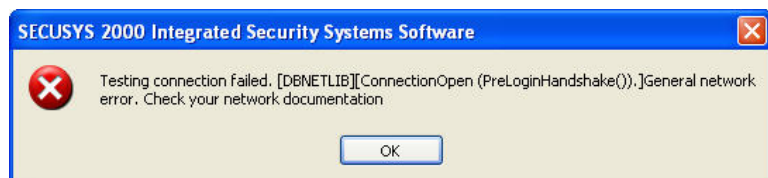


Figure 3-10-2-25

On Windows 7 there are two firewalls, one for a Home Network and one for a Public Network (figure 3-10-2-26). If the SQL server network is unknown then go Start, Programs, Network & Sharing Centre to see the network that the server is connected to and to see if it is a Home or Public Network (figure 3-10-2-27). As a temporary measure disable the respective Firewall and try and connect to the server again. If it works then the Firewall needs to be configured to allow remote client connections to the SQL Server. Re-enable the Windows Firewall before proceeding.

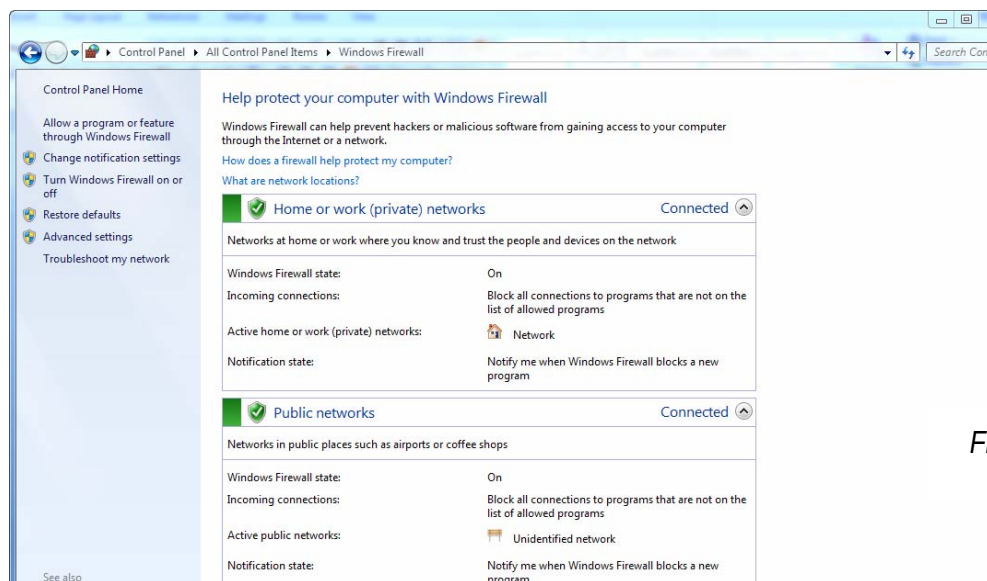


Figure 3-10-2-26

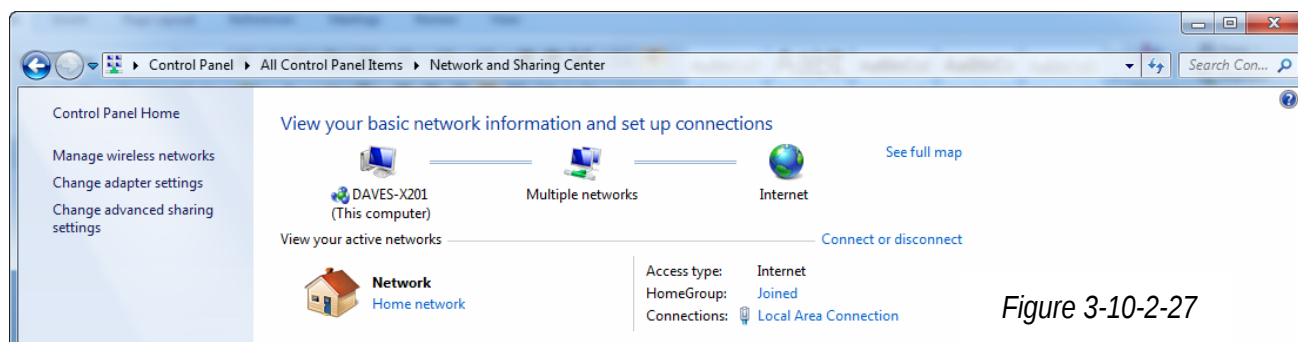


Figure 3-10-2-27

Go Start, Control Panel, Windows Firewall to open the Windows Firewall (figure 3-10-2-26) then click on “Advanced Settings” in the left hand panel to bring up the Advanced Security screen (figure 3-10-2-28)

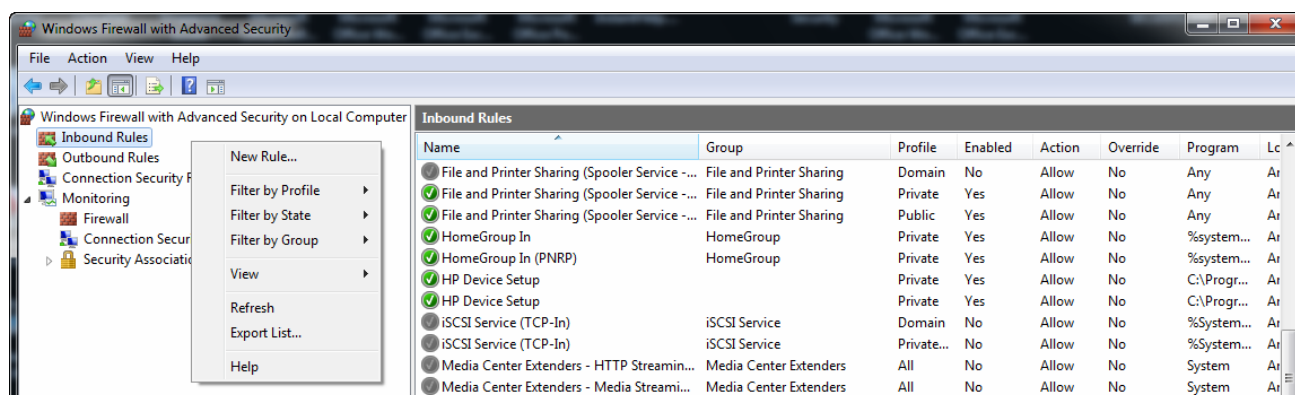


Figure 3-10-2-28

Click on the Inbound Rules option then right click to bring up the box menu. Click on “New Rule” (figure 3-10-2-28) to make a new rule. The New Rule Inbound Wizard will appear (figure 3-10-2-29). Select the Port option then click “Next”.

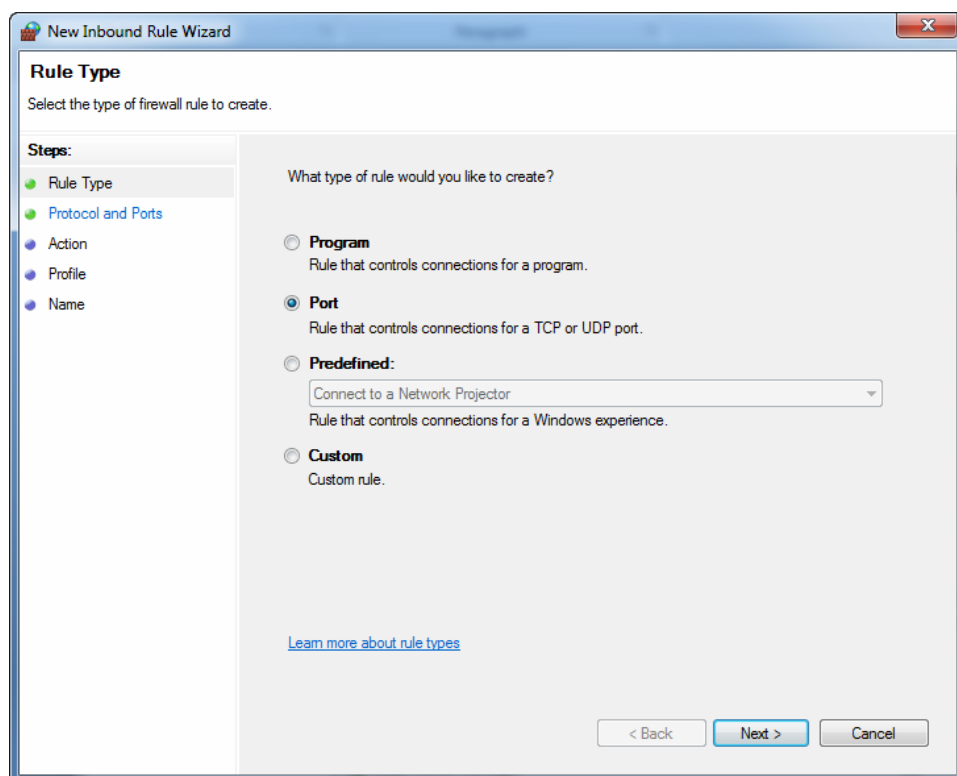


Figure 3-10-2-29

Make sure that TCP and Specific local ports are selected then enter 1433, 58604 to open both these TCP Ports (figure 3-10-2-30) then click “Next”.

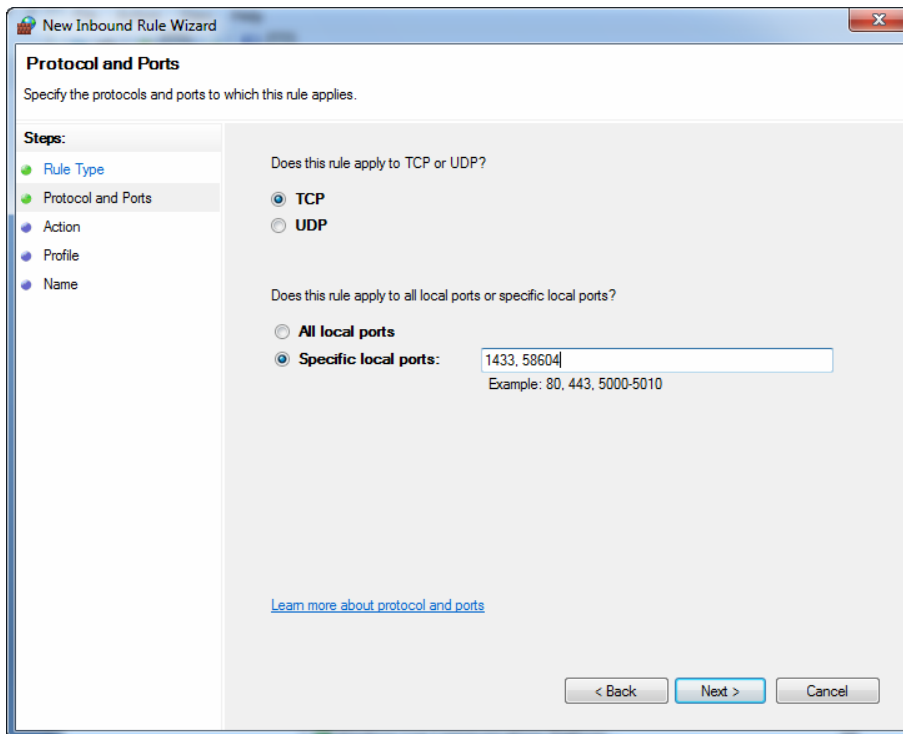


Figure 3-10-2-30

Make sure that “Allow the Connection” has been selected then click “Next” (figure 3-10-2-31)

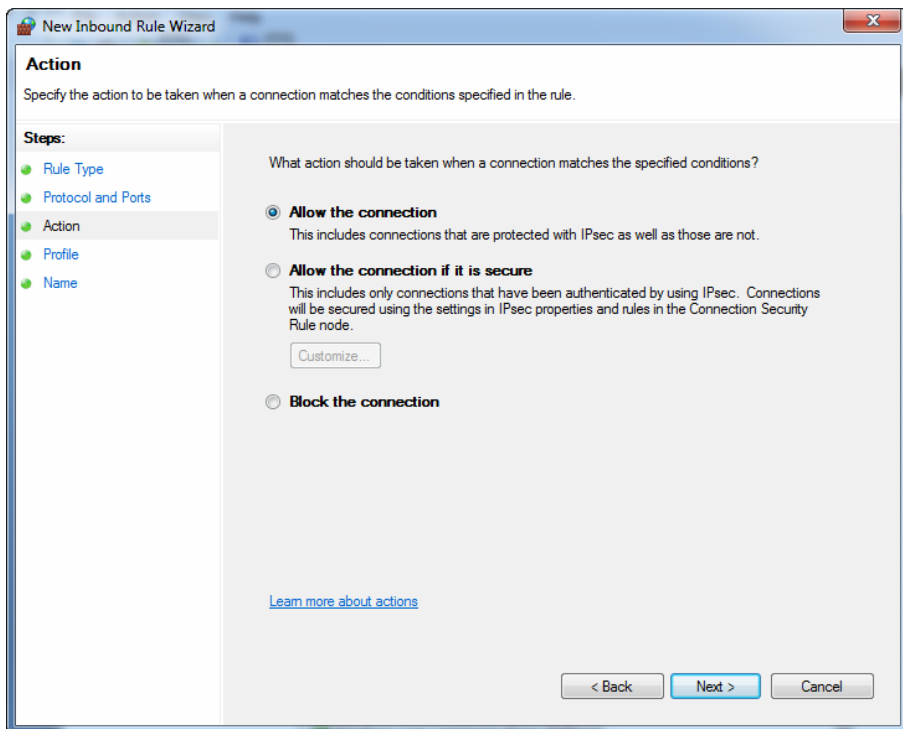


Figure 3-10-2-31

Select whichever options are appropriate for the server network then click “Next” (figure 3-10-2-32)

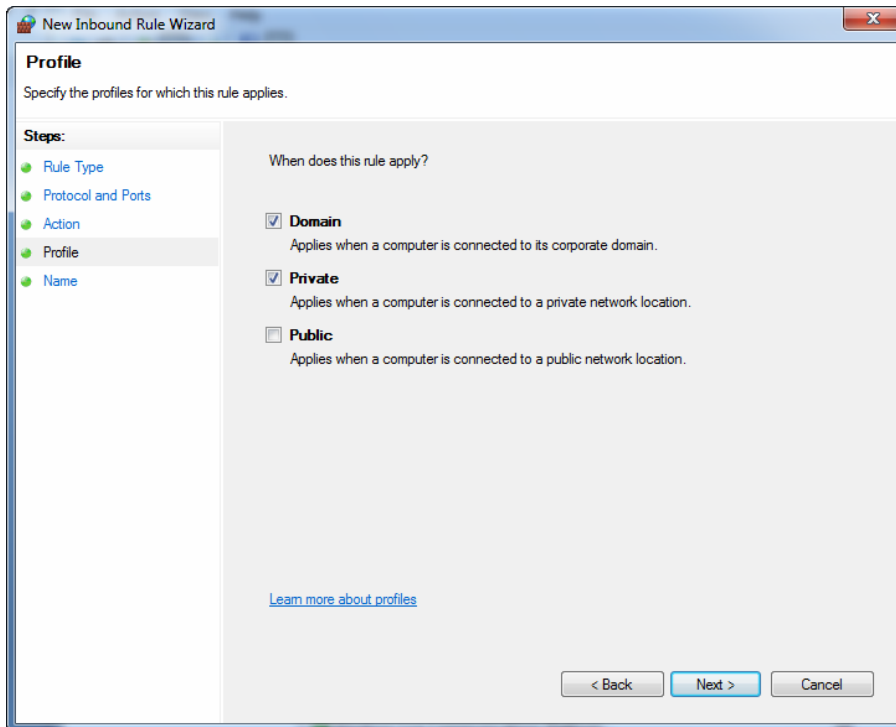


Figure 3-10-2-32

Give it a name like “SQL Ports for SECUSYS” then click “Finish (figure 3-10-2-33)

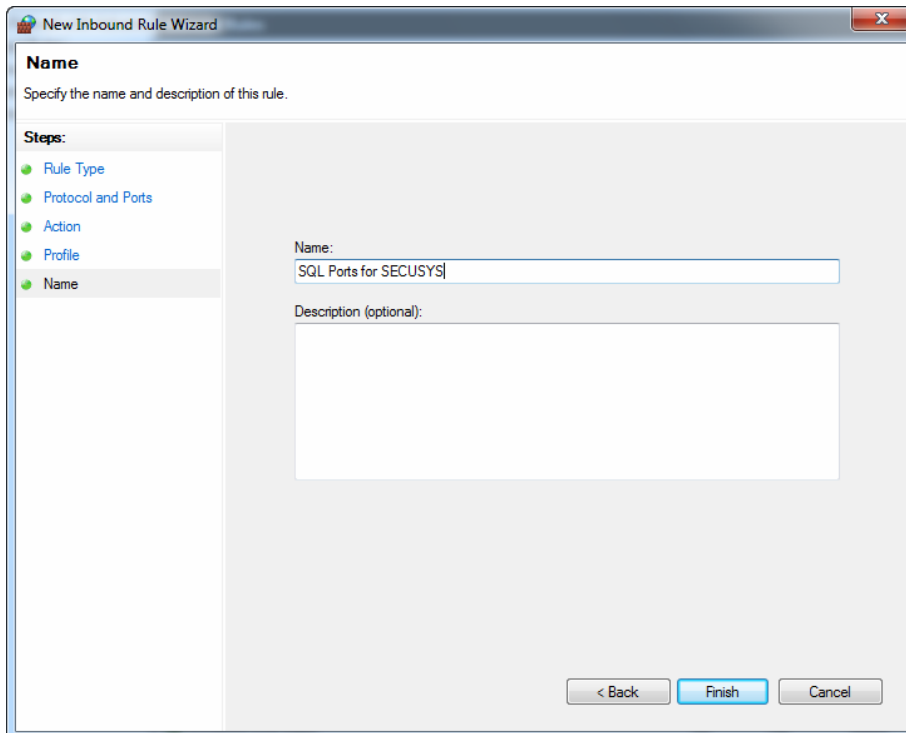


Figure 3-10-2-33

Check that the new rule appears and double click it if changes need to be made (figure 3-10-2-34)

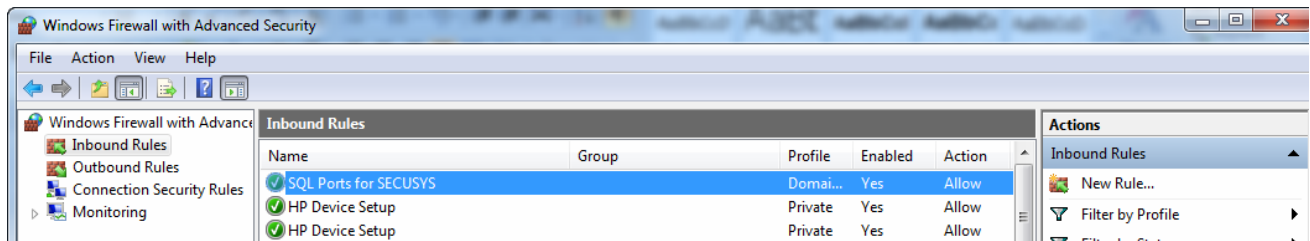


Figure 3-10-2-34

Make sure that the Windows Firewall has been turned on (figure 3-10-2-26) then try and connect from the remote client. You should see the Connection Tested Successfully message.

If there is still a problem connecting then go and check both the Ports are as per the default. Port 1433 can be checked from the SQL Server Configuration Manager screen, Network Client, Client Protocols, TCP/IP (figure 3-10-2-35).

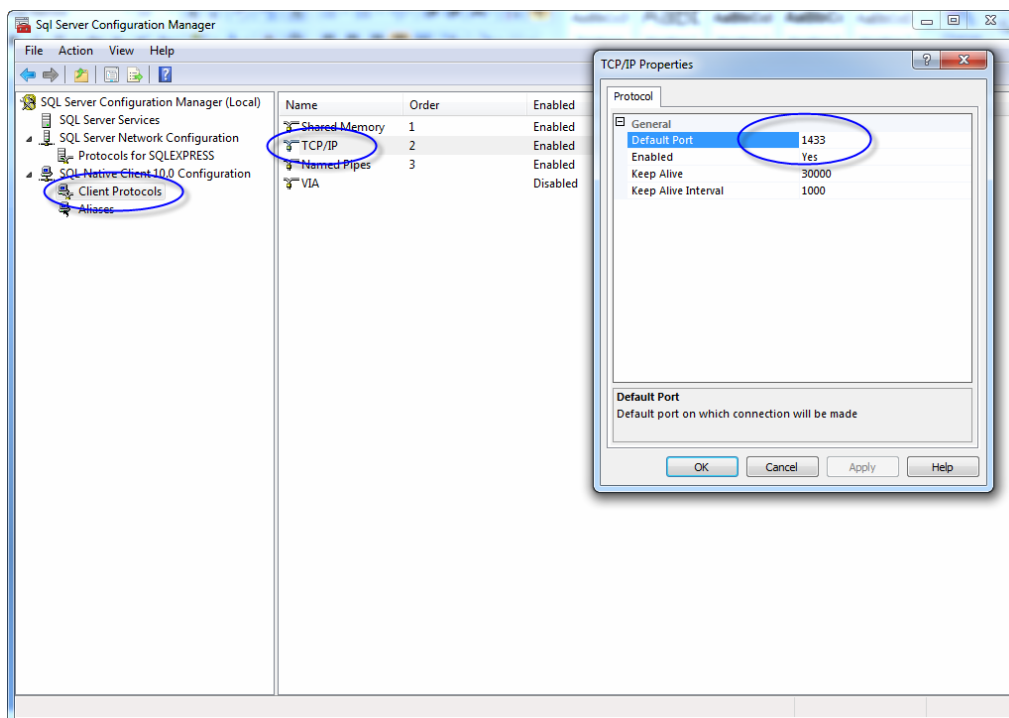


Figure 3-10-2-35

Port 58,604 can be checked from within the Windows Registry (figure 3-10-2-36) at:

HKEY_LOCAL_MACHINE\Software\Microsoft\Microsoft SQL Server\SQL
Express\MSSQLServer\SuperSocketNetLib\Tcp

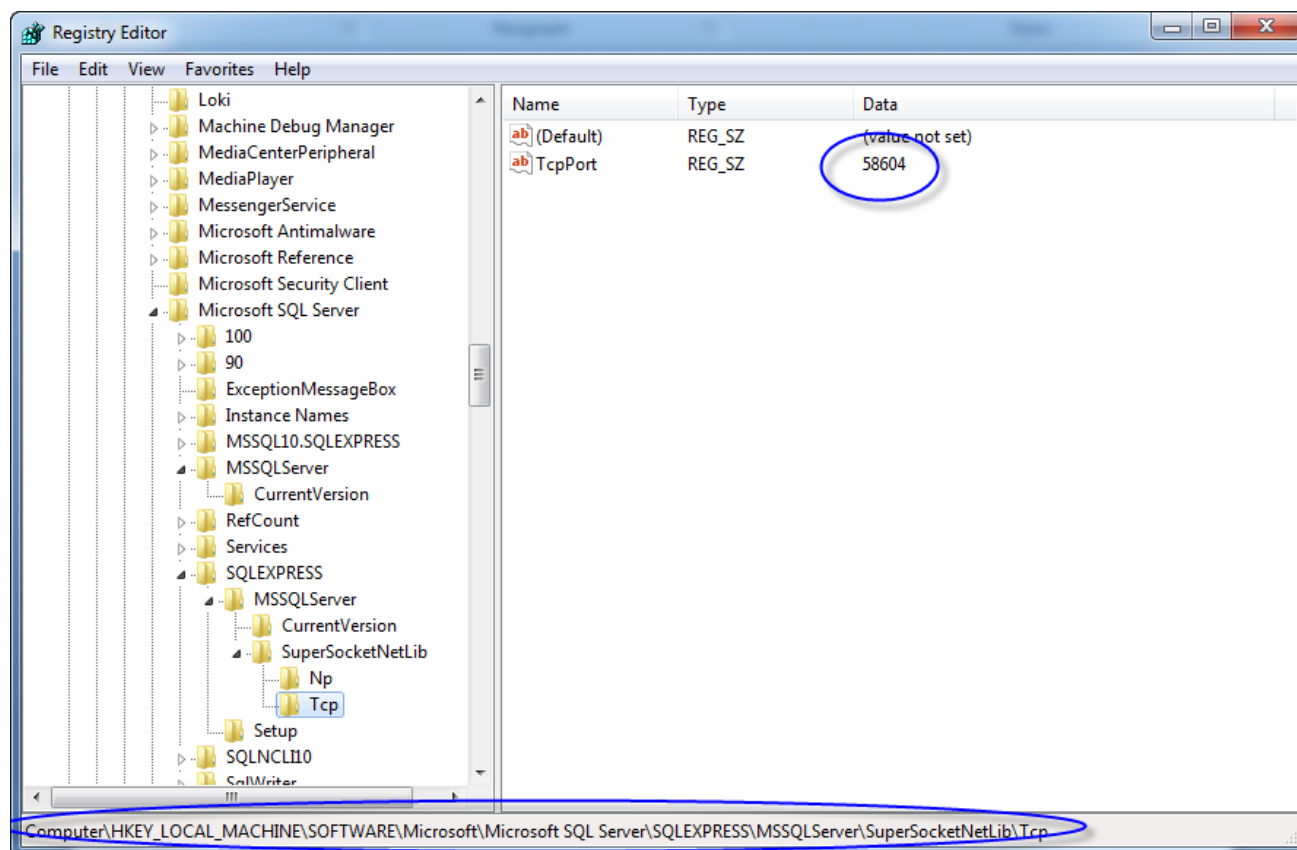


Figure 3-10-2-35

Chapter 4 Setup Quick Reference & Troubleshooting

4.1 Setup Quick Reference

Connect the all necessary cables and power up the controller (see Hardware Manual).

Setup the controller and any converter addresses (see Hardware Manual)

Install the software selecting the language and the database type (Section 3)

Run the SECUSYS 2000 Integrated Security System software and undertake the following:

- Setup the company structure (section 6-3-1)
- Setup user accounts (section 6.1)
- Setup the communication port (Section 7.-8, Communication Configuration)
- Search for a controller (Section 8.7.1.1.1)
- Setup the parameters of each door including Time Table (Section 7.1.4)
- Setup Departments and Sub Departments (Section 6.5.1)
- Add a Wiegand Format, if not already added (Section 7.6)
- Add a Person and their card and grant them an Access Level (Section 7.2.2.1)

Flash the persons card to a reader of a door which he has the Access Level to enter. The Lock relay should operate and a “Valid Card” event will appear in the “Events Monitor” (Section 9.1). If “Invalid Card” or “Invalid Time/Door” event appears please check the Access Level (communication is working). T

4.2 Troubleshooting

If no event appears in the “Events Monitor” screen then the software is not receiving events from the controller. Check on the controller itself that all connections are correct and that the RS-232/485 lights adjacent to the RS-232/485 connector block are flashing (for RS-232/485 communication) or that the two TCP/IP indicator lights at the bottom of the PCB are flashing (for TCP/IP communication). If no lights are flashing then there is no valid connection to the software. Check the wiring and communication port setup in the software, refer Sections 7.8, 8.7.1.1 .

A detailed troubleshooting section appears at the end of the Hardware manual.

Chapter 5 Main Operating Screen

5.1 Logon

To load the software, click on the “SECUSYS 2000 desktop icon (figure 5-1-1) or Click

“Start\Program Files\Secusys\SECUSYS 2000 Integrated Security Systems\SECUSYS 2000.exe”



Figure 5-1-1

The main logon screen will now appear (figure 5.1-2).

Logon with the default “Administrator” user or click the arrow to the right of the User name to logon with a different user. The default user is “Administrator and the default password is “secusys”.

Note that any additional users must first be setup as detailed in Chapter 6.



Figure 5-1-2

Once logged in, the main SECUSYS 2000 Integrated Security Systems software window will appear (figure 5-1-3). This window has a Menu Bar, a Shortcut Menu, a Controller Manager plus it shows the authorized user and the current user and shows if the PC is acting as a Server or a Client. These items are explained in more detail in the following sections.

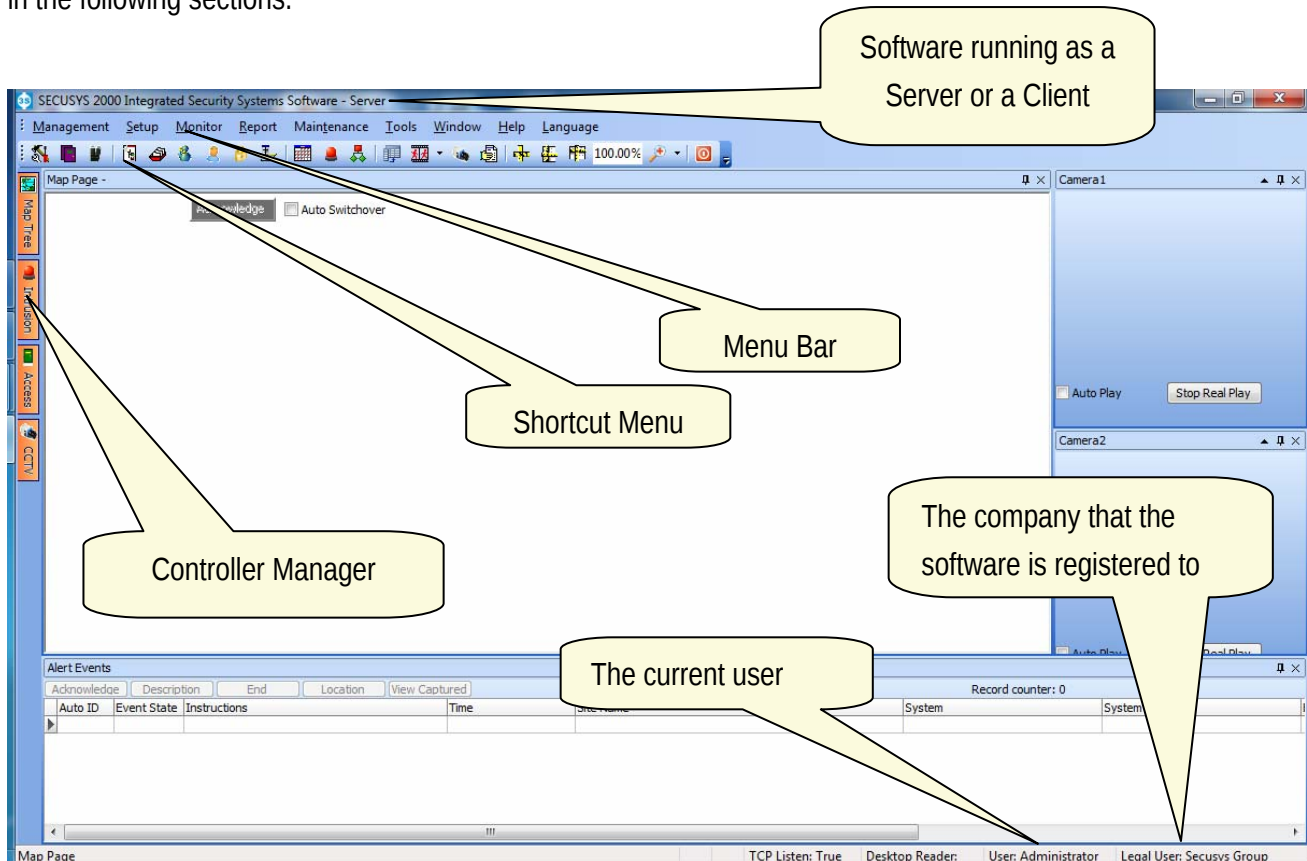


Figure 5-1-3

5.2 Server/Client

The SECUSYS 2000 Integrated Security System software can be run in either Server or Client mode. The initial installation will be the "Server" (figure 5-2-1) as the server contains the actual database. Subsequent installations on other computers will be "Clients" and these client computers will always connect to the database on the server. (figure 5-2-1)

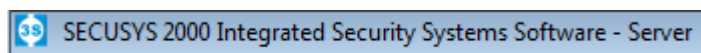


Figure 5-2-1

5.3 Menu Bar

The Menu Bar allows access to the entire program via a series of Sub-Menus (figure 5-3-1)

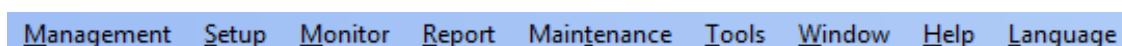


Figure 5-3-1

5.4 Shortcut Menu

The Shortcut Menu contains the most common icons (see figure 5-4-1).

- | | | |
|----------------------------|---------------------|-----------------------|
| ✓ Controller Configuration | ✓ Access Level | ✓ Multi View |
| ✓ Doors Configuration | ✓ Lift Access Level | ✓ Cards Events Filter |
| ✓ Fingerprint Reader | ✓ Holiday Setup | ✓ Fact Size |
| ✓ Organization Structure | ✓ Event Alerts | ✓ Fit Height |
| ✓ Cards List | ✓ Flow Control | ✓ Fit Width |
| ✓ Personnel List | ✓ Multi Site Setup | ✓ Exit |
| ✓ Visitor List | ✓ Events Monitor | |



Figure 5-4-1

Buttons can be added or deleted from the Shortcut Menu by clicking on the Add or Remove buttons arrow to the right of the Close Program icon (figure 5-4-2)

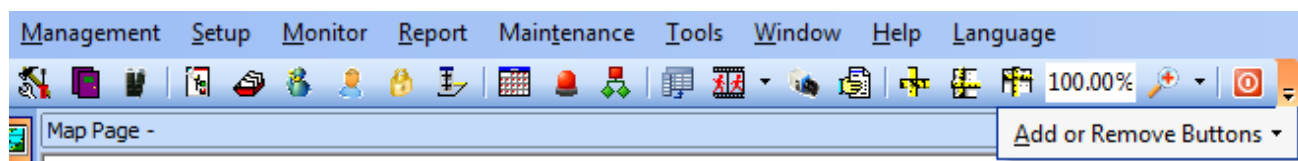


Figure 5-4-2

5.5 Controller Manager

The Controller Manager offers a quick way to access the Map Tree, the Intrusion Tree, the Access Tree and the CCTV Tree. Selecting the required item will open the respective window.

5.6 Bottom Notification Bar

The bottom Notification Bar shows four different items (figure 5-6-1) TCP Listen means that the TCP Port is open and listening for TCP/IP communications from TCP/IP enabled panels. Desktop Reeder: False = There is no desktop card reader attached to this computer. User is the current user that is logged on, in this case it is the Administrator. The Legal User is the company or user to which the hardware key is registered to. As a note users should have individual logins as user tracking is undertaken using these logins.

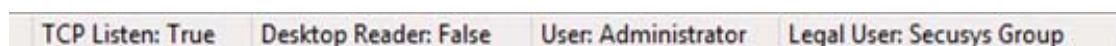


Figure 5-6-1

Chapter 6 Management Menu

Select “Management” from the main Menu Bar (figure 6.01) to bring up the Management sub menu.

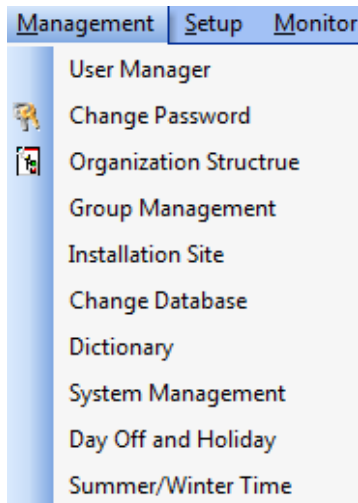


Figure 6-0-1



Figure 6-1-1

6.1 User Manager

The User Manager is a separate program that is normally accessed via the start menu. However clicking the User Manager option opens the User Manager program via a shortcut. A password screen may or may not appear (figure 6-1-1) depending upon the login rights of the current operator. If it does appear the default User Manager password is “secusys”

The SECUSYS 2000 Integrated Security Systems software allows multiple users (software operators) simultaneously and can give each user a different level of access. Only the System Manager (Administrator) can add or delete the users and modify/add/delete the permissions of users. It is important for the installer to set up individual users, as user logging is achieved through the individual users. The password length can be up to 20 digits and include any keyboard characters. Note that a user cannot edit themselves.

Clicking on the User Manager sub menu item opens the main User Manager screen (figure 6-1-2) Note that initially there is only a single user called “Administrator” with an “Administrator” Permission Set.

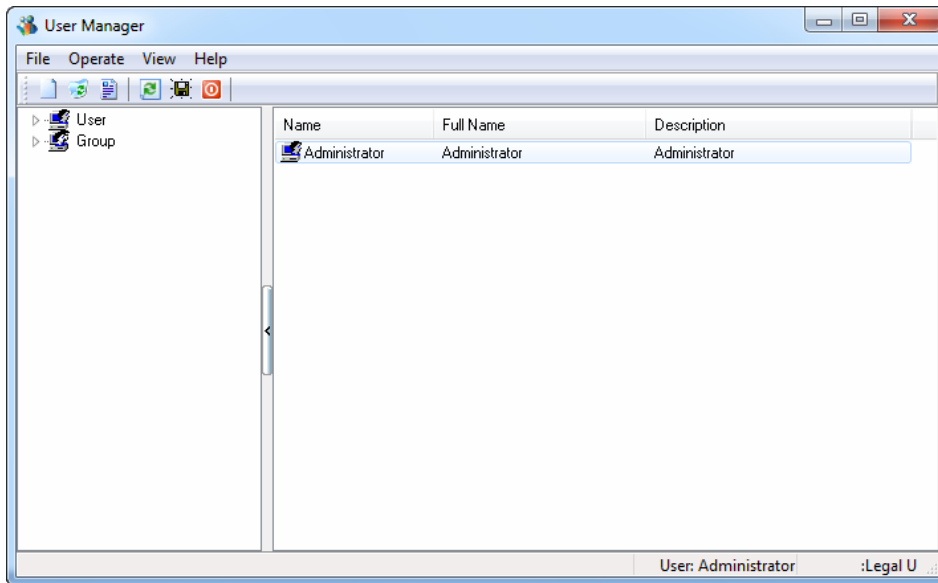


Figure 6-1-2

Prior to creating a User, a Group that the user belongs to needs to be setup. There are 5 default groups already setup: Access Control Users, Accounts Managers, Administrators, Guests and Security Guards. Every User needs to belong to a Group. (figure 6-1-3) The Group grants the privileges as to the operation functions that the User will be able to undertake. Also when defining a User the controllers/doors and departments/sub departments which are inherited from the Group are specified.

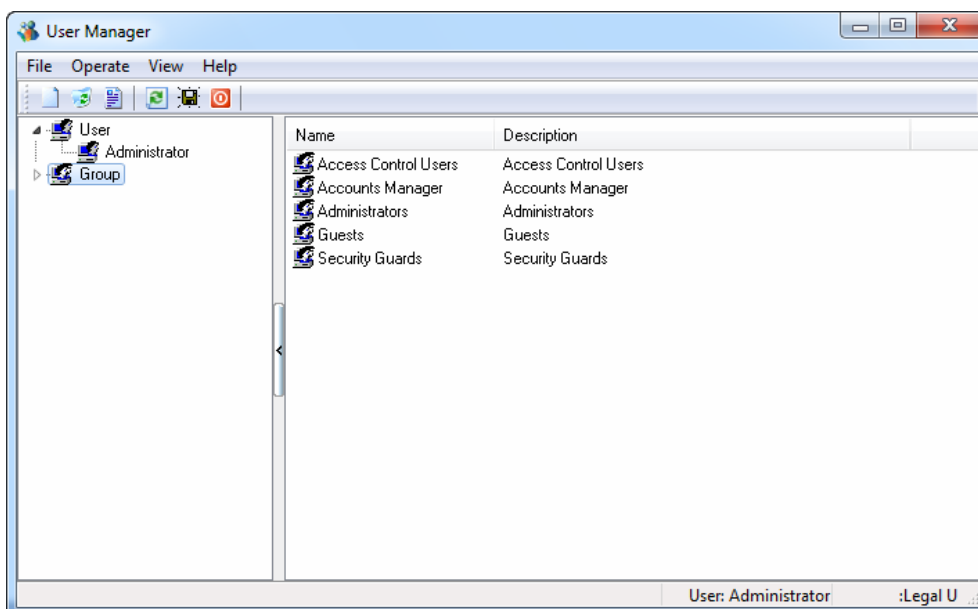


Figure 6-1-3

6.1.1 Adding a Group

To Add a Group select the "Group" list on the left panel and click the "Create a New Group" button (figure 6-1-1.1) The New Group screen will open (figure 6-1-1-2)

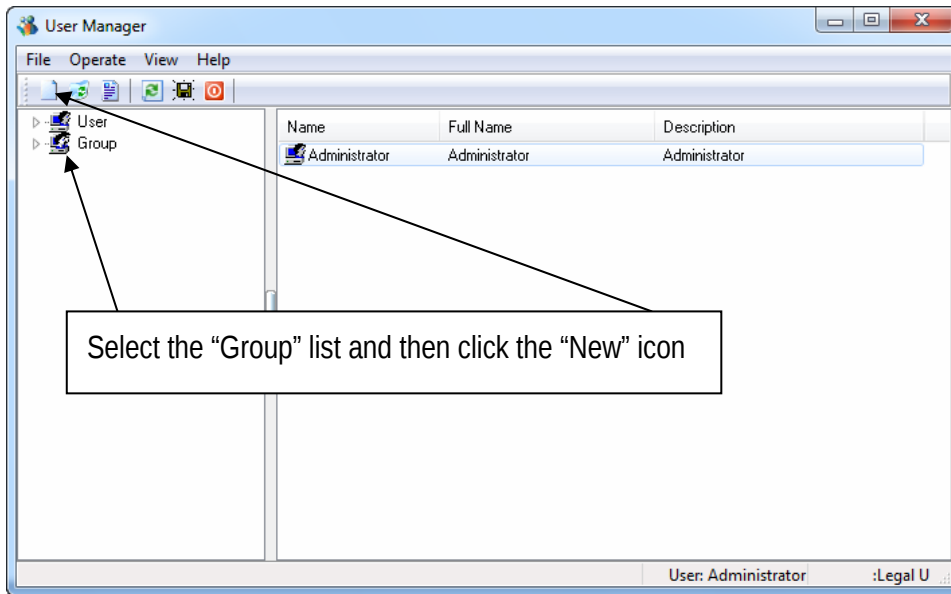


Figure 6-1-1-1

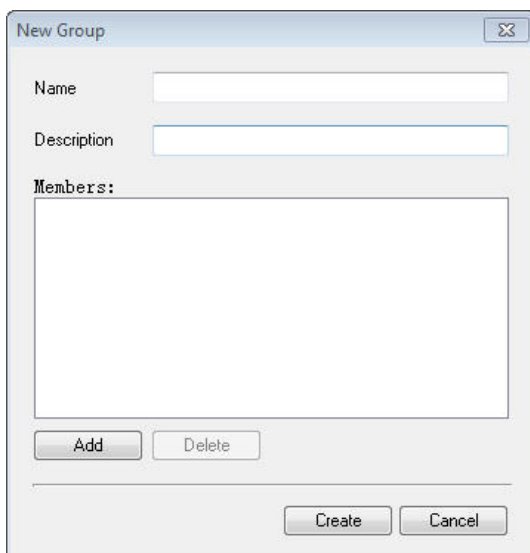


Figure 6-1-1-2

Enter details for the new Group. Note that existing Users may be added to the Group (figure 6-1-1-3)

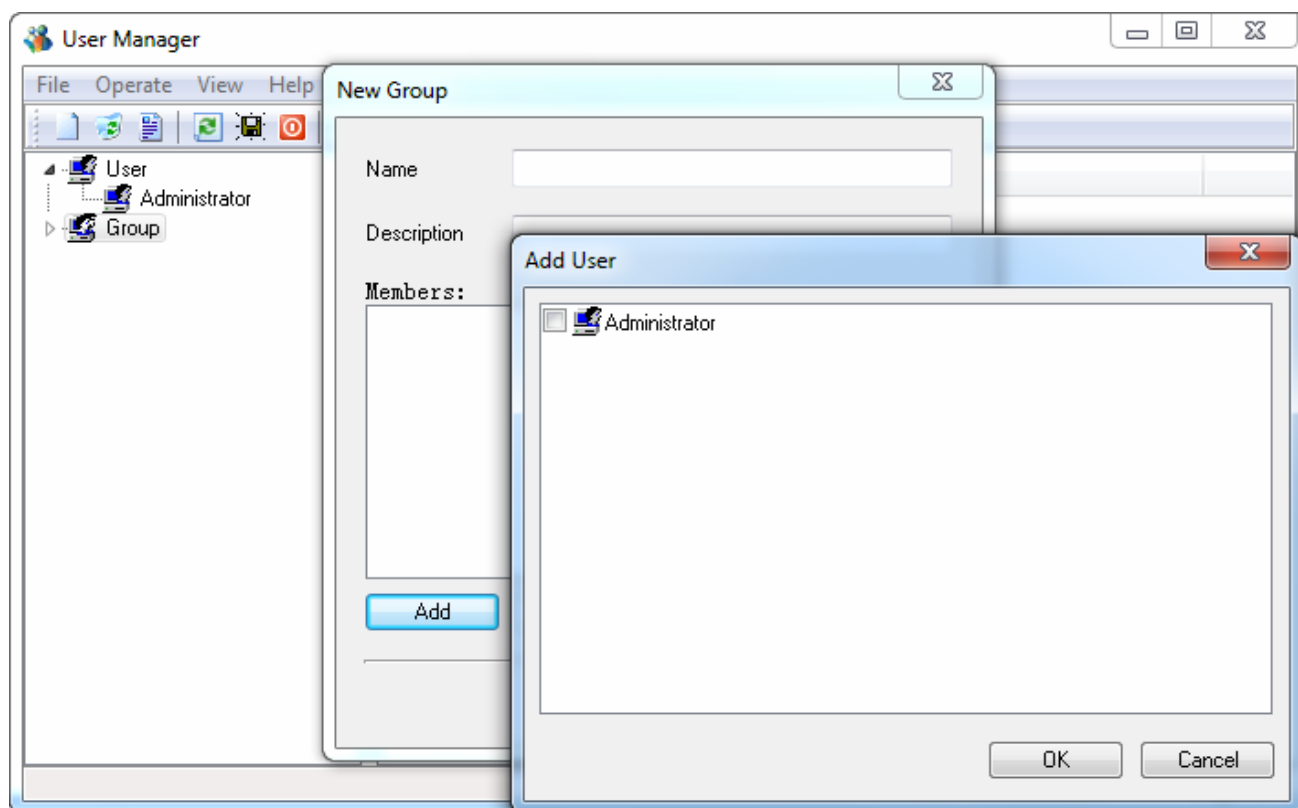


Figure 6-1-1-3

Once a group has been created it can be edited, refer to the next section, Section 6.1.2

6.1.2 Editing a Group

After creating the Group, Privileges need to be set up. Double-click on the Group to be edited in the right hand panel (or right click, properties) (figure 6-1-2-1) and the Group Properties screen will appear (figure 6-1-2-2)

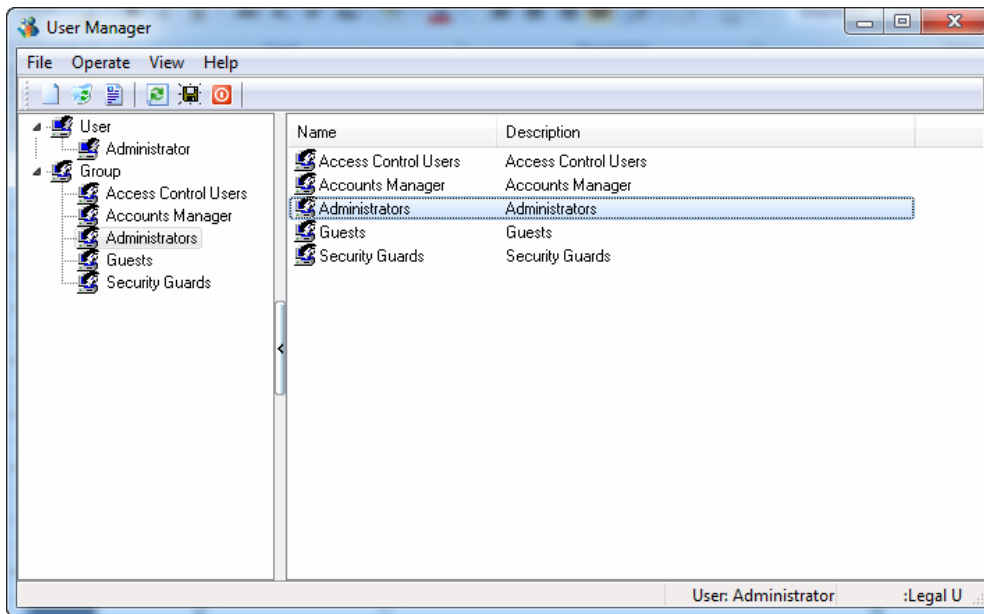


Figure 6-1-2-1

Currently this Accounts Manager group has no members (figure 6-1-2-2). Click on the Group Rights tab and the Group Rights screen will appear (figure 6-1-2-3)

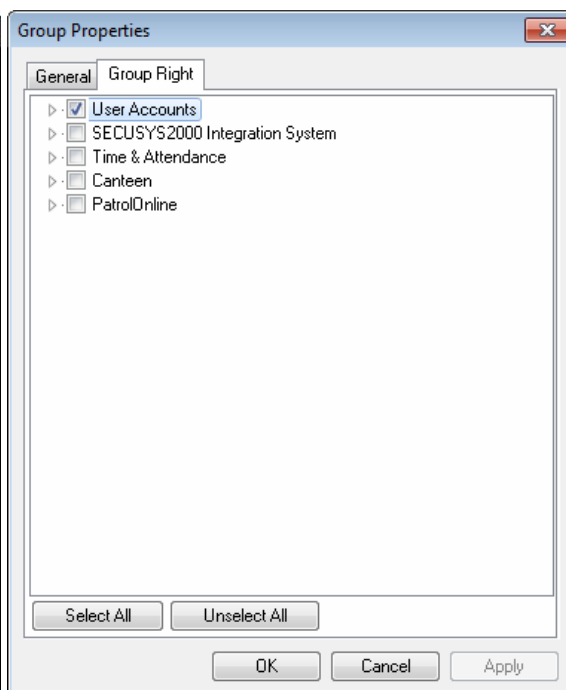
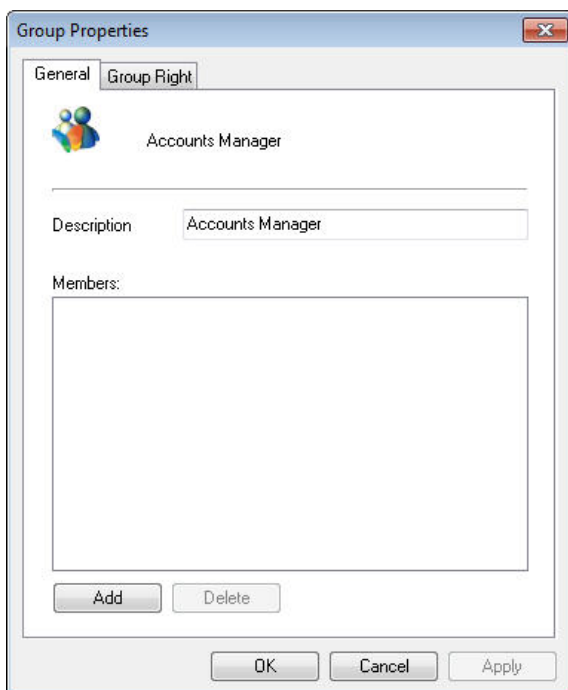


Figure 6-1-2-2
Left

Figure 6-1-2-3
Right

The Group can have different types of Rights (Privileges): User Manager, SECUSYS 2000, Time & Attendance, Canteen and Guard Tour.

User Manager means the new Group members will be able to use the User Manager module for creating other Groups/Users and granting them privileges (the same module we are in now).

SECUSYS 2000 means granting the Group the privileges to each one of the SECUSYS 2000 software features (configuration, operation and monitoring).

Time & Attendance, Canteen and Guard Tour mean that the users will have access to these additional modules.

Please note you will need to expand the Tree to tick each one of the check boxes. It's not enough just to tick the root check box (Figure 6-1-2-4). Please select the Rights (Privileges) you would like to grant.

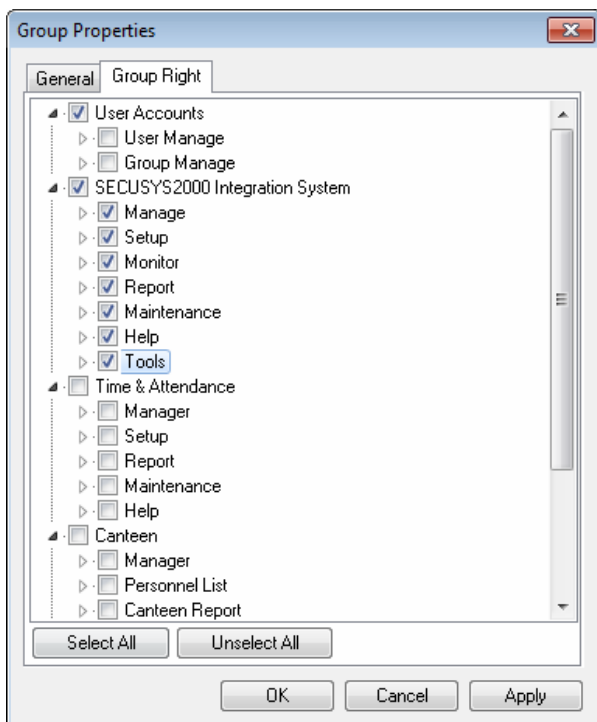


Figure 6-1-2-4

6.1.3 Adding a User

Select the "User" list on the left part and click the "Create a New User" button (figure 6-1-3-1)

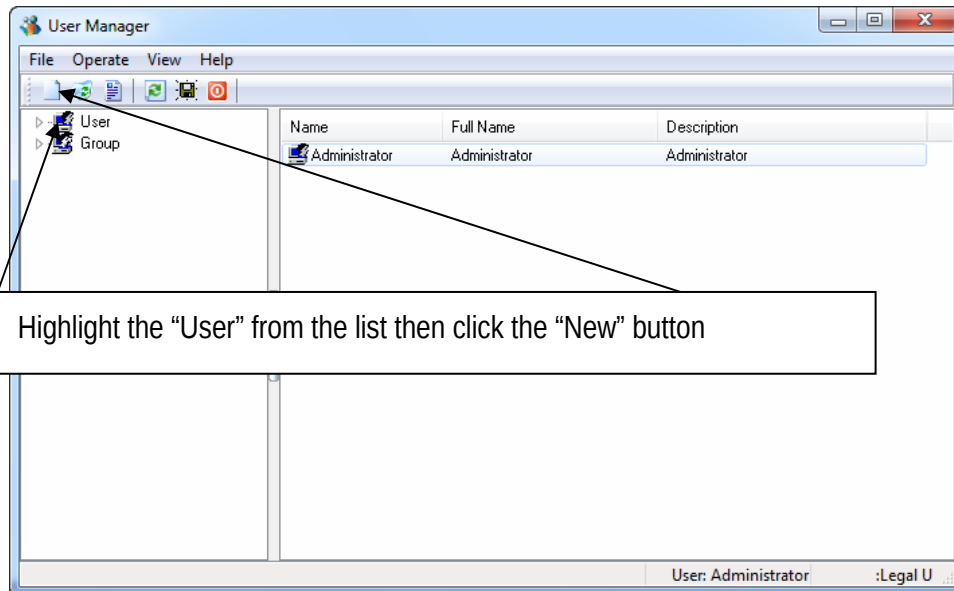


Figure 6-1-3-1

The New User screen will appear (figure 6-1-3-2). Enter a user name and their password then their password again to confirm. The password length can be up to 20 digits and include any keyboard characters.

The 'New User' dialog box contains the following fields and controls:

- Name: [Text Field]
- Full Name: [Text Field]
- Description: [Text Field]
- Password: [Text Field]
- Confirm: [Text Field]
- ☐ Account Is Disabled
- Create [Button]
- Cancel [Button]

Figure 6-1-3-2

6.1.4 Editing a User

Double click the user or select the user and click the “Edit” button and the following screen will appear (figure 6-1-4-1)

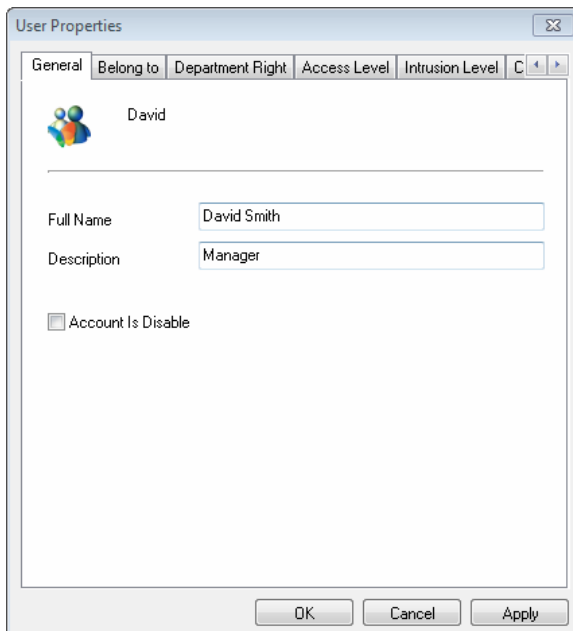


Figure 6-1-4-1

Fill in the information in the General tab, select the Group the User will belong to in the “Belong To” tab. Note that a User can belong to more than 1 Group. Tick the Departments and Sub Departments the User will be able to control in the Department Rights Tab. Please note that Ticking the Departments check box is not ticking also its Sub Departments check boxes. A User can be granted the privileges to control only certain departments (Figure 6-1-4-2)

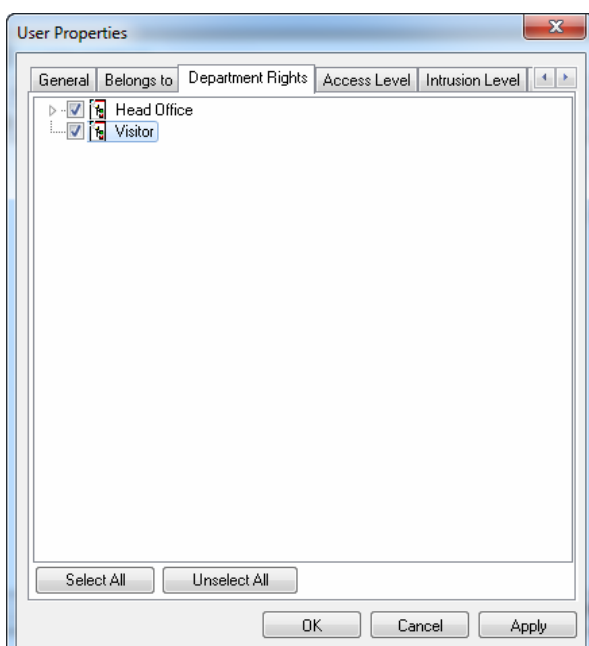


Figure 6-1-4-2

The same logic applies to the Controllers and Doors. In the Access Level tab tick the Controllers and Doors that this Users privileges will apply for. Please note that ticking the Controller check box is not ticking the check boxes of the controllers doors. A User can control only part of the Controllers/Doors (Figure 6-1-4-3)

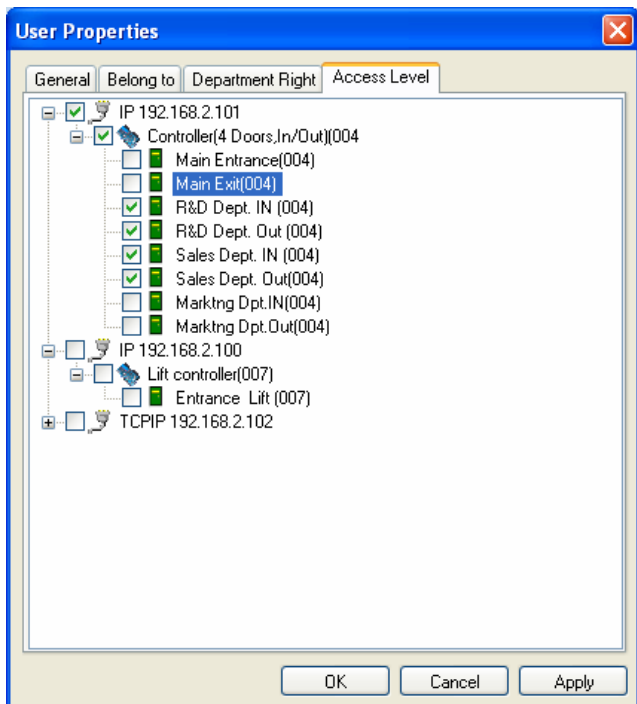


Figure 6-1-4-3

6.1.5 Deleting a Group or a User

Selecting the Group or the User and clicking on the “Delete” icon will remove the Group or the User. When Deleting a User (Figure 6-1-5-1) there are 2 options:

1. **Logout User:** remove the User from the User Manager but keep it in the Database. This means that this Users records can be viewed in the System Log
2. **Delete User:** The second option is to remove the User completely from the Database.

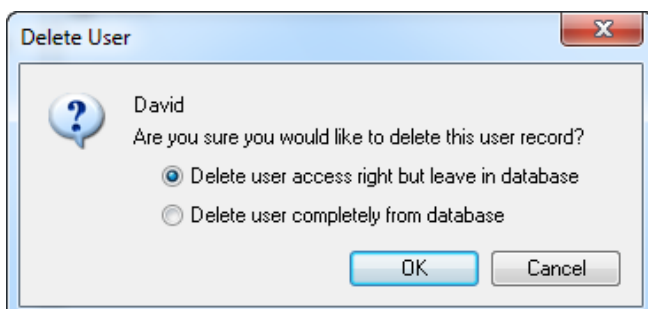


Figure 6-1-5-1

6.1.6 Changing User Password

Select a User and then click on Operate -> Setting Password to change a User Password (figure 6-1-6-1)

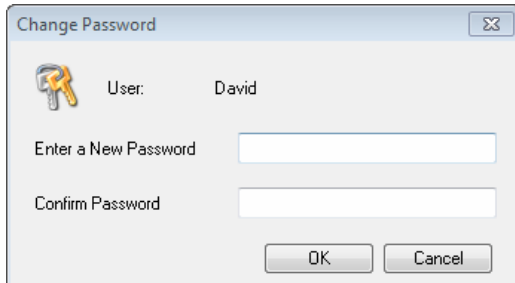


Figure 6-1-6-1

6.1.7 Exporting Groups List

Highlight one or more groups and click "Operate" then "Export List" to export the Groups list to a MS-Excel file or a TXT file.

6.2 Change Password

To change the password of the current user select "Manage" then click "Change Password". The Change Password screen will appear (figure 6-2-1) Input the old password and the new password, then input the new password again for confirmation and click "OK".

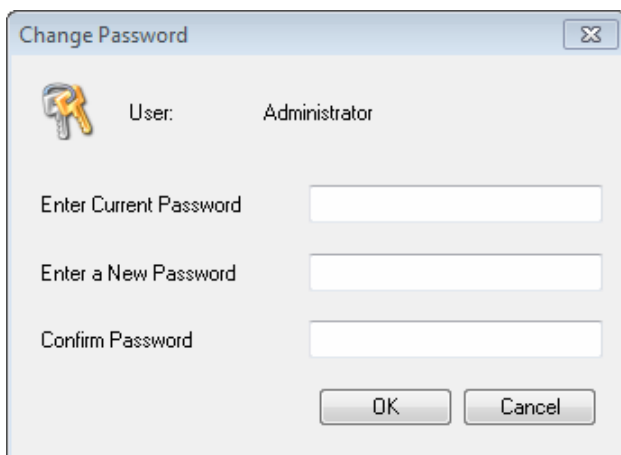


Figure 6-2-1

6.3 Organisation Structure

6.3.1 Departments

Select "Management" on the main menu bar then choose "Organization Structure" from the sub-menu. Clicking on the File menu in the resulting screen (figure 6-3-1-1) will allow additional departments or sub departments to be set up, an existing department to be deleted or to be edited.

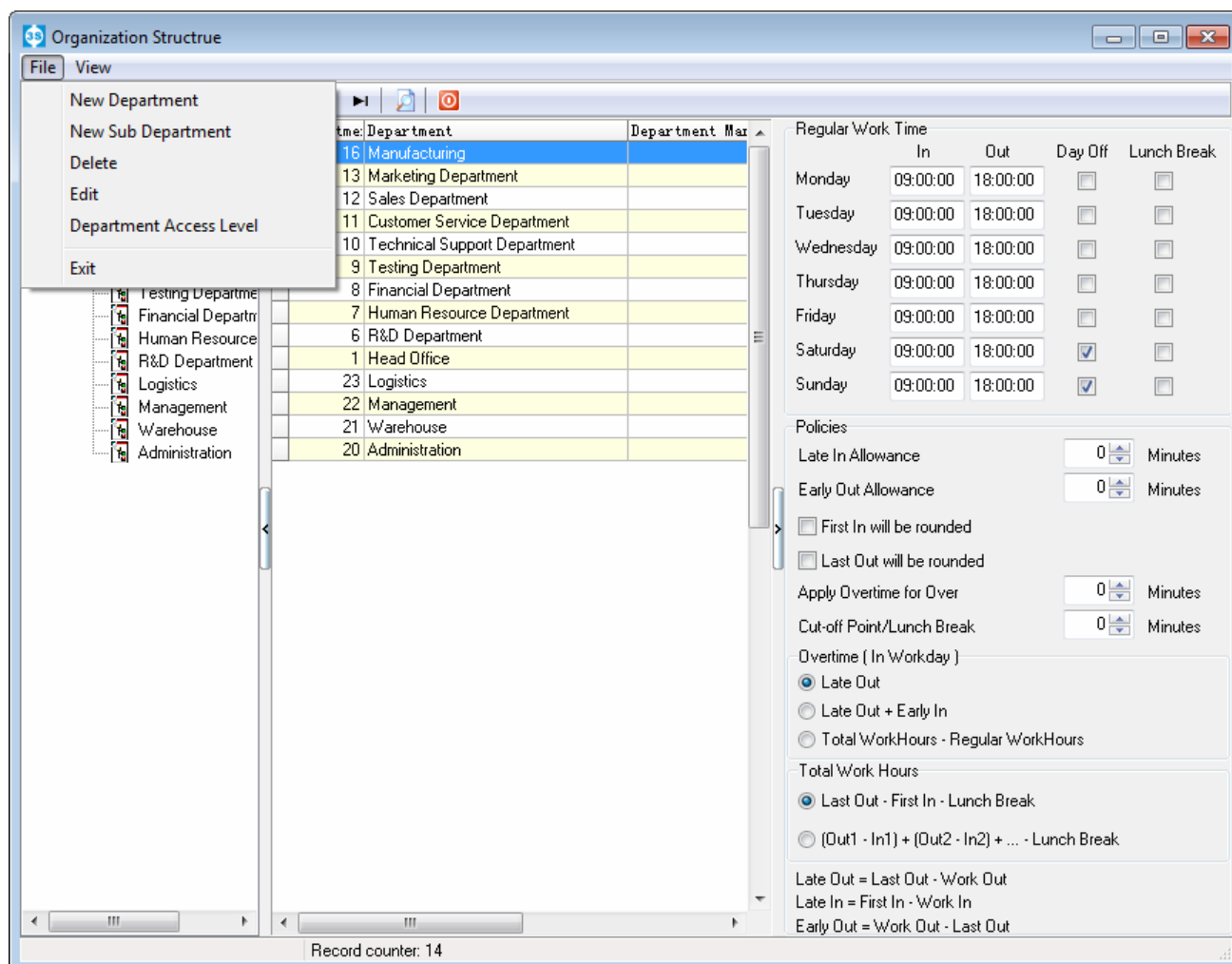


Figure 6-3-1-1

Departments may also be further divided into Sub Departments if required. When clicking “New Department” then a sister Department will be created. When clicking “New Sub Department” a Sub (child) Department will be created. If a company has multiple sites then each site can be a department, and each site department will be a Sub Department. SECUSYS 2000 is guiding the user to begin the configuration from the general setup to the detailed one. This way the setup is performed structurally and easily. Before adding new Personnel to the system company structure can be designed first while grouping the Personnel to Departments.

Department Access Level – An access level can be granted to a department or sub department. Highlight the department required then click on the Access Level icon (golden lock icon). The Department Access level screen will appear (figure 6-3-1-2)

Door Name	COM/IP	Controller ID	Door ID	Time Table
Door 1(001)	192.168.4.3	1	1	No entry
Door 2(001)	192.168.4.3	1	2	No entry
Door 3(001)	192.168.4.3	1	3	No entry
Door 4(001)	192.168.4.3	1	4	No entry

Figure 6-3-1-2

Access Level - refers to the Door Access Level, meaning the time table for each door. The time table will determine which hours of the week a person from this department with a valid card can open the door.

Personnel PIN Enabled – means which doors a person from this department can open with a PIN only. The Personal PIN is an 8 digit PIN number that can open the door without the need to flash a card.

Lift Access Level – means which floors a person from this department can access with the lift (elevator).

These 4 tabs are discussed in more detail in Section 8.2.2.1 – Adding Personnel.

In the bottom left corner of Figure 6-3-1-2 there are 3 tick boxes as follows:

Apply to Department Personnel – The configuration as detailed in the 4 tabs will apply to all existing personnel in this department as well as any future personnel added to this department.

Include Sub Department Personnel – The configuration as detailed in the 4 tabs will apply to all existing personnel in the sub departments of the department as well as any future personnel added to this sub department The configuration will also apply to the department itself.

If "All Departments" is highlighted and the gold access level icon is clicked (figure 6-3-1-3) then the Access Level screen will open (figure 6-3-4). This screen is discussed in detail in section 8.2.3.

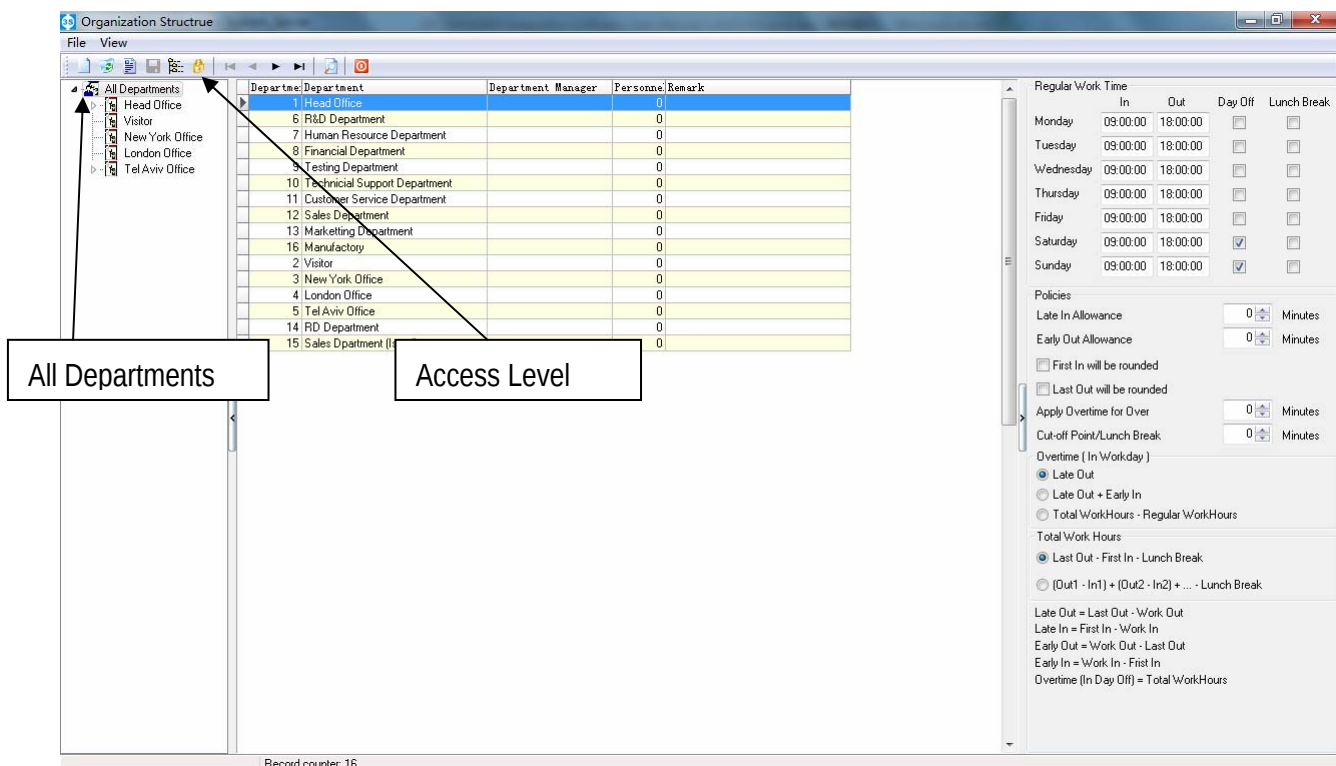


Figure 6-3-1-3

Access Level

Department Tree

- All Departments
 - Head Office

Department List

Department	Department
1 Head Office	
6 R&D Department	
7 Human Resource Department	
8 Financial Department	
9 Testing Department	
10 Technical Support Department	
11 Customer Service Department	
12 Sales Department	
13 Marketing Department	
16 Manufacturing	
20 Administration	
21 Warehouse	
22 Management	
23 Logistics	

Personnel List

Backup

Restore

Door Name	COM/IP	Controll...	Door ID	Time Table
Door 1(001)	192.168.4.3	1	1	No entry
Door 2(001)	192.168.4.3	1	2	No entry
Door 3(001)	192.168.4.3	1	3	No entry
Door 4(001)	192.168.4.3	1	4	No entry

Copy From

Lines: All Doors

Set All Doors of Line to

Locate Copy Paste Set All Apply

☐ Include Sub Department/Personnel ☐ By Gender

Close

Figure 6-3-1-4

6.3.2 Time & Attendance (T&A) Policy

The right hand panel of the Organizational Structure screen (figure 6-3-1) shows the Time & Attendance policy for the respective department or sub-department. Note that each department or sub department can have its own T&A policy (figure 6-3-2-1).

The screenshot shows the 'Organization Structure' window. On the left, a tree view lists departments: All Departments, Head Office, Manufacturing, Marketing Department, Sales Department, Customer Service, Technical Support, Testing Department, Financial Department, Human Resource, R&D Department, Logistics, Management, Warehouse, and Administration. The 'Administration' department is selected. The main panel displays the 'Regular Work Time' table and various policy settings.

	In	Out	Day Off	Lunch Break
Monday	09:00:00	18:00:00	☐	☐
Tuesday	09:00:00	18:00:00	☐	☐
Wednesday	09:00:00	18:00:00	☐	☐
Thursday	09:00:00	18:00:00	☐	☐
Friday	09:00:00	18:00:00	☐	☐
Saturday	09:00:00	18:00:00	☒	☐
Sunday	09:00:00	18:00:00	☒	☐

Policies

Late In Allowance: 0 Minutes

Early Out Allowance: 0 Minutes

☐ First In will be rounded

☐ Last Out will be rounded

Apply Overtime for Over: 0 Minutes

Cut-off Point/Lunch Break: 0 Minutes

Overtime (In Workday)

☒ Late Out

☐ Late Out + Early In

☐ Total WorkHours - Regular WorkHours

Total Work Hours

☒ Last Out - First In - Lunch Break

☐ (Out1 - In1) + (Out2 - In2) + ... - Lunch Break

Late Out = Last Out - Work Out
 Late In = First In - Work In
 Early Out = Work Out - Last Out
 Early In = Work In - First In
 Overtime (In Day Off) = Total WorkHours

Figure 6-3-2-1

The following apply with respect to T&A:

Regular work time - including IN (or Work IN), OUT (or Work OUT), Day Off.

- Based on the IN Time, that is the time the employee came to the office (the time the card event was created). The software will calculate Late In (if he/she comes late) or Early In (if he/she comes to the office early).
- Out Time is the time the employee left the office. It is used to calculate Early Out or Late Out similar to Early In and Late In..
- Day Off. The SECUSYS 2000 will use the Day off to calculate Over Time or Absence.

Late In/Early Out Allowance - The number of minutes that starting late or leaving early is allowed. For example, the SECUSYS 2000 software will not report if an employee came late to the office if he/she arrives at 08:05 while the Work In time is 08:00 and the Late In is 15 minutes. The employee will be considered late only if he/she arrives after 08:15. The same logic applies for the Early Out Allowance.

First In/Last Out will be rounded - Check this option if the arrival time is to be rounded off to the normal start time if the minutes between the In time and Work In are less than Late In Allowance. For example if an employee arrives the office between 07:45 to 08:15, his/her In time of that day will be reported as 08:00 if the Allowance is 15 minutes. The same logic applies for the Last Out.

Apply Over time for Over – The SECUSYS 2000 software will report if an employee has worked overtime on a day if his/her Overtime of that day is greater than X minutes, otherwise the Overtime will not be reported. The method to calculate over time is configured in the Overtime section. If this is set to 30 minutes and the employee over time is only 20 minutes on that day, the over time will not be counted.

Cut-off point/Lunch break – This period will be deducted from the time the employee has worked during the day.

Overtime Policy

Overtime can be defined in one of three ways. Overtime can be calculated as Late Out only meaning the extra time the Personnel stayed in the office, or Late Out + Early In, meaning adding the extra time of arriving the office before the Regular In time, or the Total Working hours minus the Regular Working hours.

Total Work Hours

Can be defined as either the Last Out – First In – Lunch Break. In This way all In/Outs during the working day are ignored. Alternatively it can be defined as the intervals between the In/Out minus the Lunch Break. This 2nd option can be used if the time that an employee is absent from the office during the working day.

Variable Definition:

- Last Out: the last time the employee flashed his card at any of the system readers during a certain day. This time will be considered as the time the employee leaves the office.
- First IN: the first time the employee flashed his card at any of the system readers during a certain day. This time will be considered as the time the employee arrives the office.
- Work IN: the IN time which is defined in Regular Working Time.
- Work OUT: the Out time which is defined in Regular Working Time.

6.4 Group Management

Clicking on the Group Management sub menu item will bring up the Group Management screen (figure 6-4-1) .

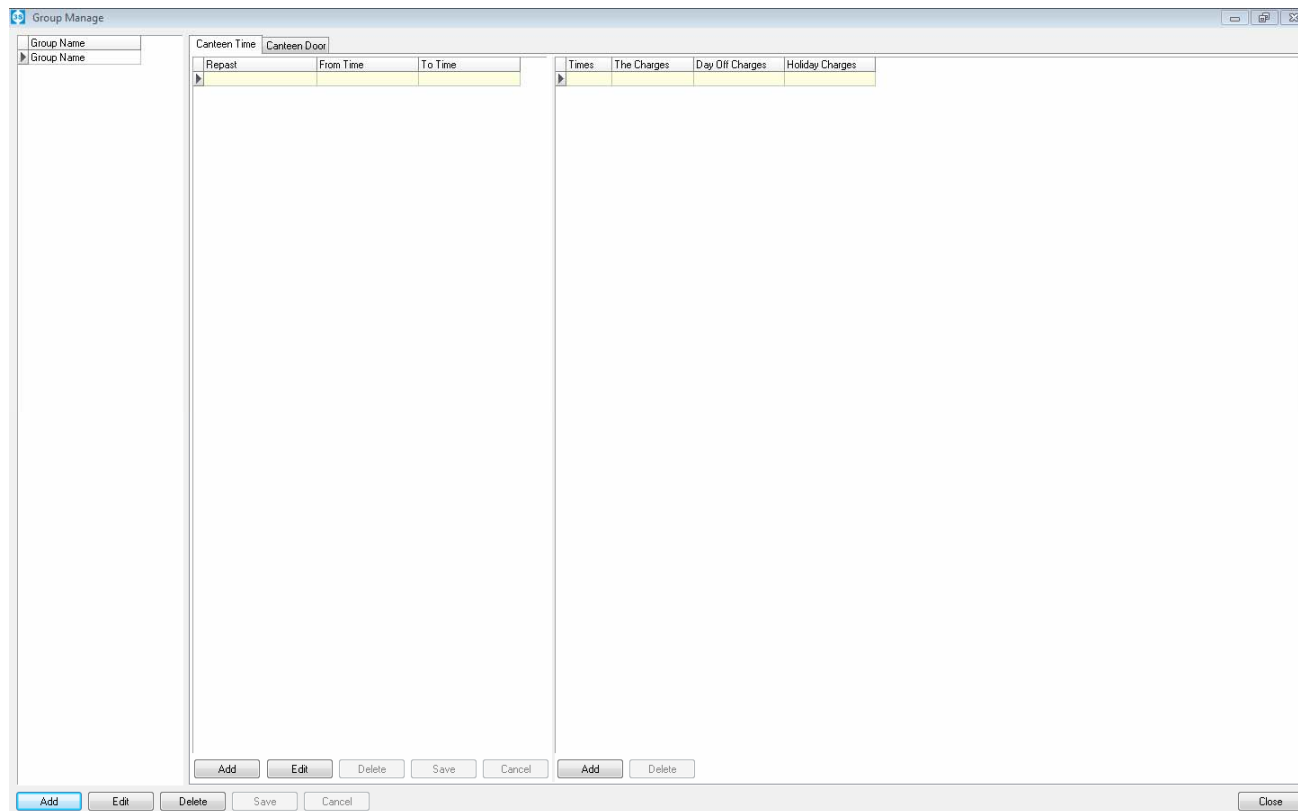


Figure 6-4-1

6.5 Installation Site

Clicking on the Installation Site sub menu item will bring up the Hardware Installation Site Manager (figure 6-5-1).

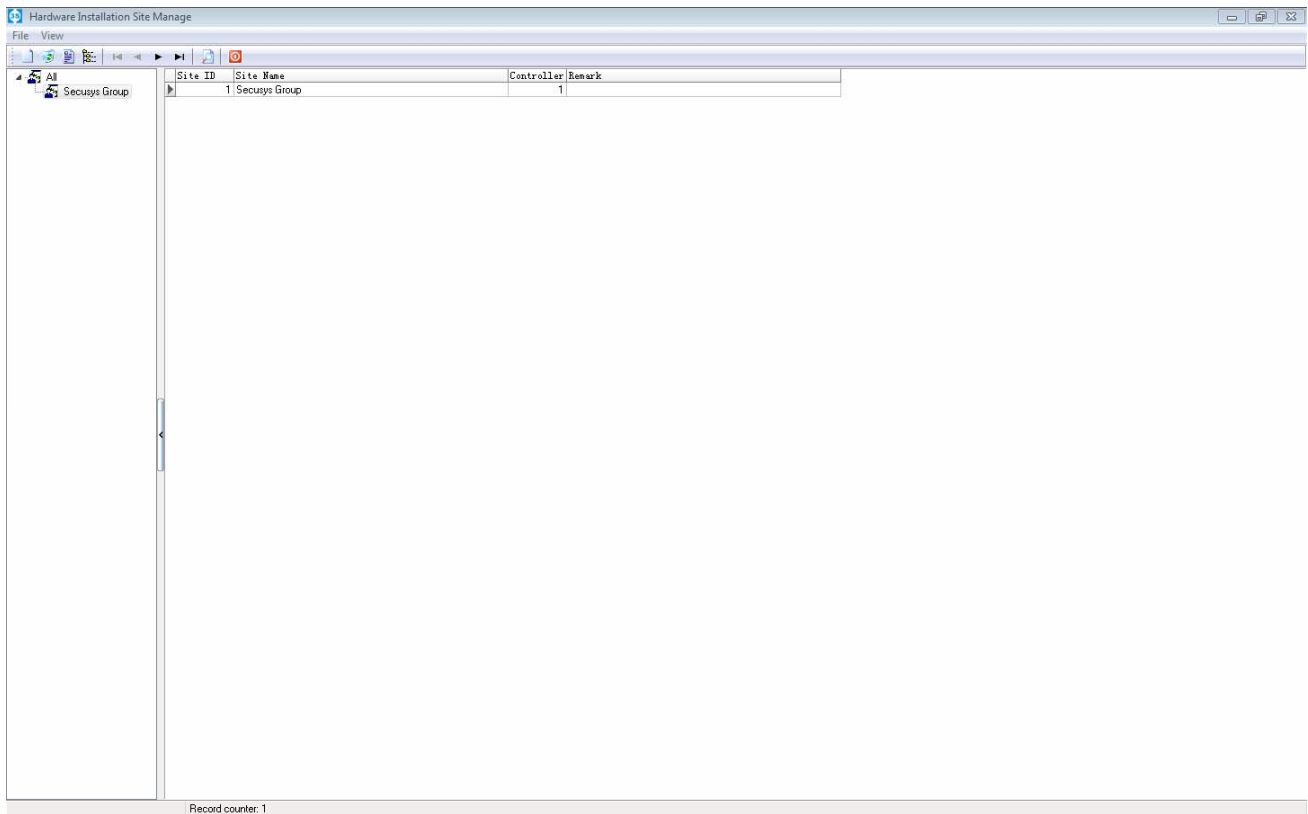


Figure 6-5-1

6.6 Change Database

Clicking on the Change Database sub menu item will bring up the Database Link Wizard (figure 6-6-1) . Note that this is the same screen that appears initially on installation so refer to section 3.4 if the database type is to be changed.

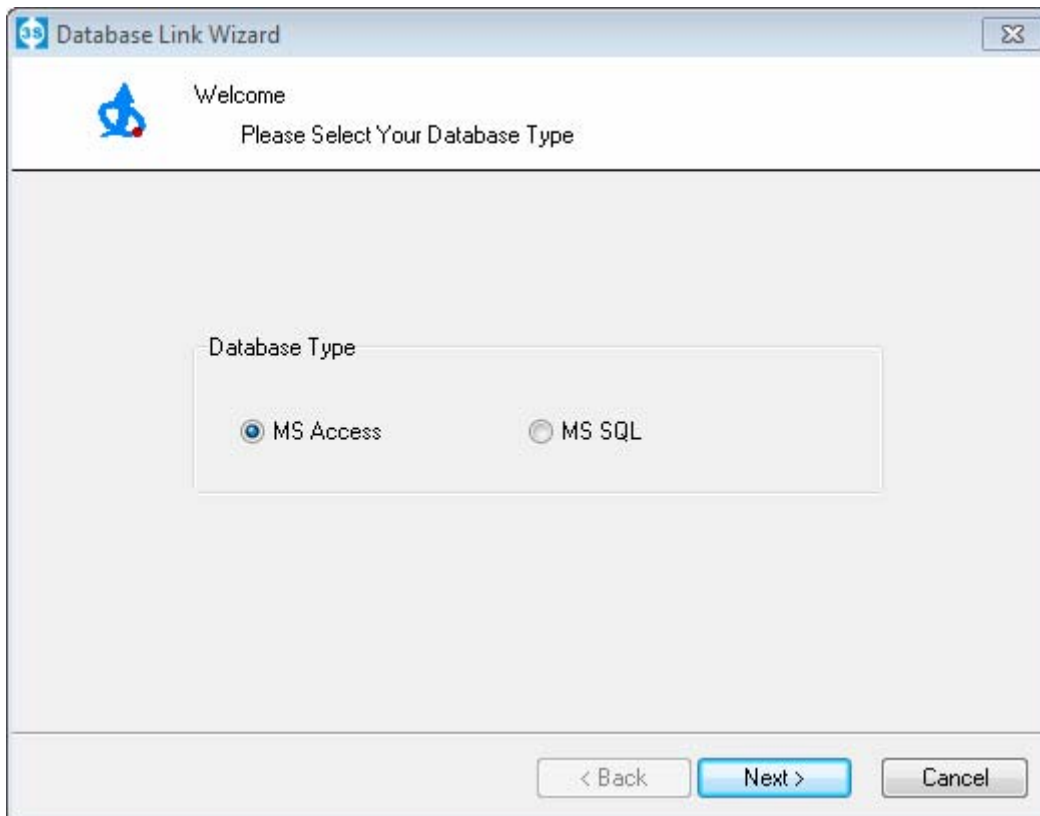


Figure 6-6-1

6.7 Dictionary

Clicking on the Dictionary sub menu item will bring up the Dictionary (figure 6-7-1) The Dictionary contains both preset and user defined fields. The user defined fields allows the user to customize fields and their content in the Personnel Information, Basic Information tab (Section 7.2.2.1).

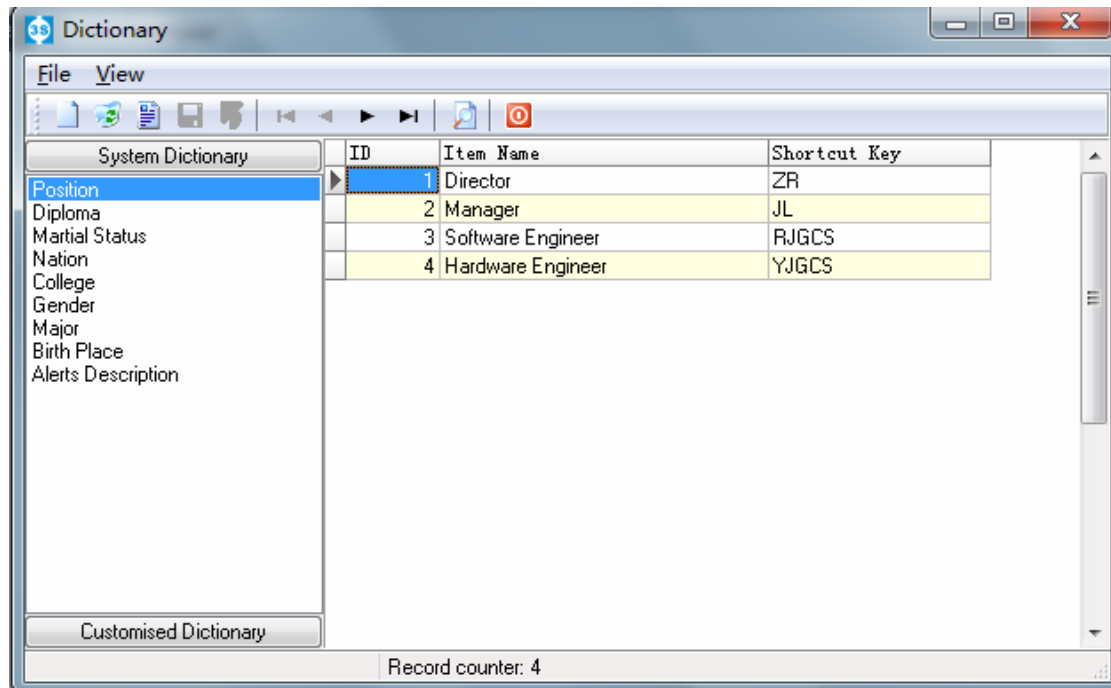


Figure 6-7-1

The shortcut bar (figure 6-7-2) contains the following icons:

Add Item, Delete Item, Edit Item, Save, Cancel, First Item, Prior Item, Next Item, Last Item, Preview and Close Current Window

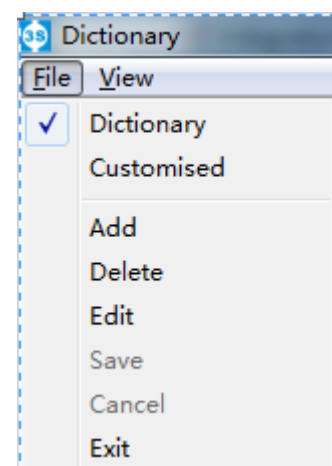


Figure 6-7-2

6.7.1 The File Tab

From the Manage, Dictionary sub menu item, click "File, Dictionary" (figure 6-7-1-1) to bring up the "System Dictionary" Window (figure 6-7-1-1)

Figure 6-7-1-1



The following notes are with reference to the main Dictionary window (figure 6-7-1-1)

Different users might want to display different information in the Personnel Information Interface. The different information headings can be configured in the System Dictionary.

The items in System Dictionary are fields from the Personnel Information. These field names cannot be changed but the information in these fields can be changed. On the right side, under "Item Name" the value can be edited or changed or a new value created.

For example, "Position" is a defined field name and cannot be changed. But the type of position or occupation can be. The default occupation values include "Director, Manager, Software Engineer, Hardware Engineer". To create a new occupation within the Position field select "File, Add" or alternatively click on the first Icon. Once added the new occupation is visible once Position has been highlighted.

Click "File, Customised" (figure 6-7-1-1) to bring up the "Customised Dictionary" Window (figure 6-7-1-2)

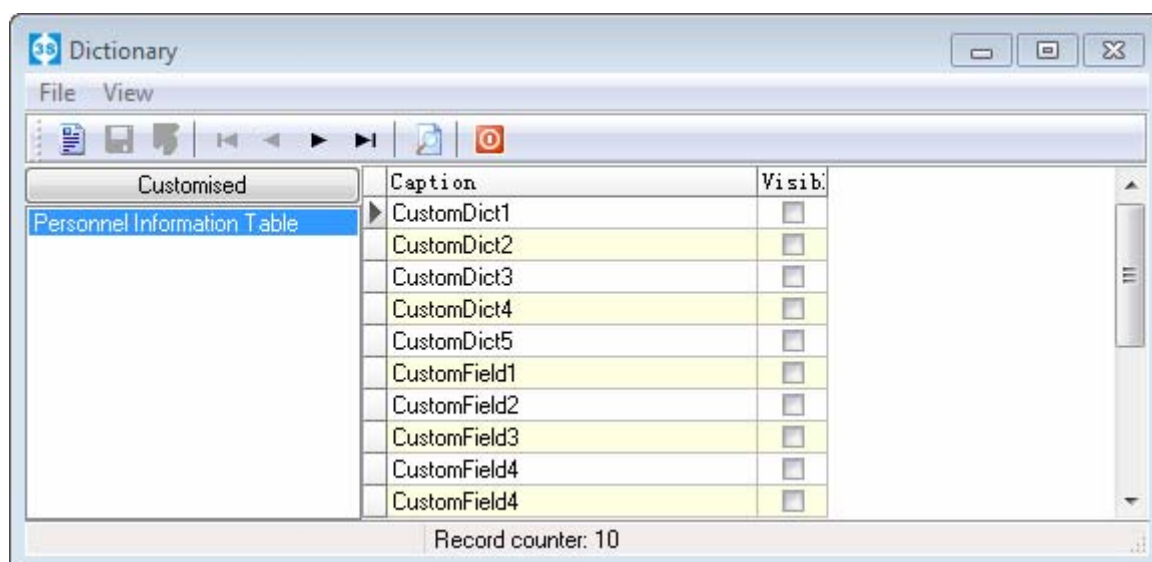


Figure 6-7-1-2

Unlike the System Dictionary, the Customized Dictionary allows the user to add completely new fields and their values to the Personnel Information, Basic Information tab.

Click "File, Customised", the "Customised Dictionary" Window will open (figure 6-7-1-2)

The entries CustomDict1..CustomDict5 allow adding up to 5 new fields each one with a pull down menu.

The entries CustomField1..CustomField5 allow adding up to 5 new fields with free text to enter (not menu).

For Example: A user might want to add "Work Experience" into Personnel Information. CustomDict1 can be modified to "Work Experience", and then a tick placed in the "Visible" box to make the new field visible.

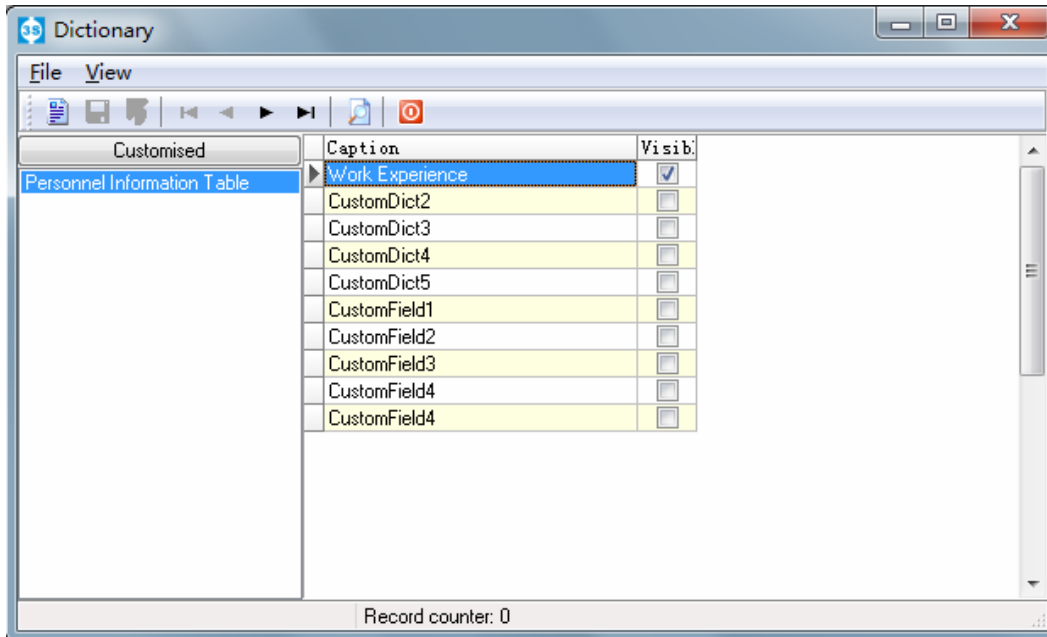


Figure 6-7-1-3

Once a Customised Dictionary item has been set up, the drop down menu items need to be added. Go to "File, Dictionary, Customized Dictionary" to setup drop down menu values (figure 6-7-1-4)

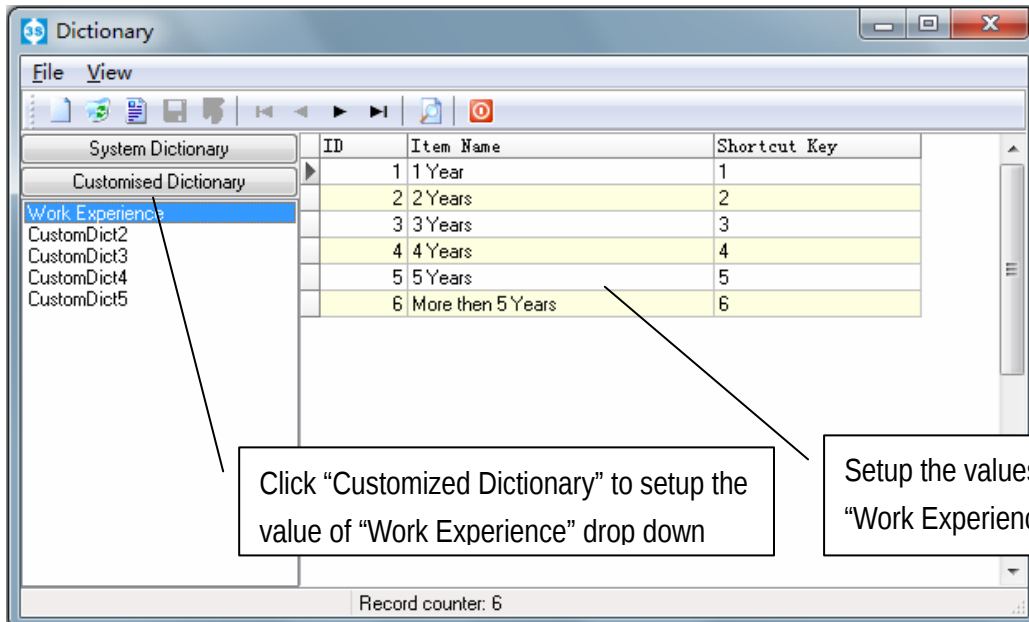


Figure 6-7-1-4

Once the setup is complete, the “Work Experience” field will be added to the default Personal Information screen (figure 6-7-1-5) and now appear as a new field in this screen (figure 6-7-1-6)

Figure 6-7-1-5

Figure 6-7-1-6

6.7.2 The View Tab

From the Manage, Dictionary sub menu item, click “View, View Fields, Fields Setup” (figure 6-7-2-1) to bring up the “Fields Setup” Window (figure 6-7-2-2).

Figure 6-7-2-1

The Field Setup window allows a user to change the order among the other fields or hide it completely. The Width of the field can also be changed. For example choosing “Item Name”, allows changing its width for viewing. The default value is 30, this value can be increased or decreased.

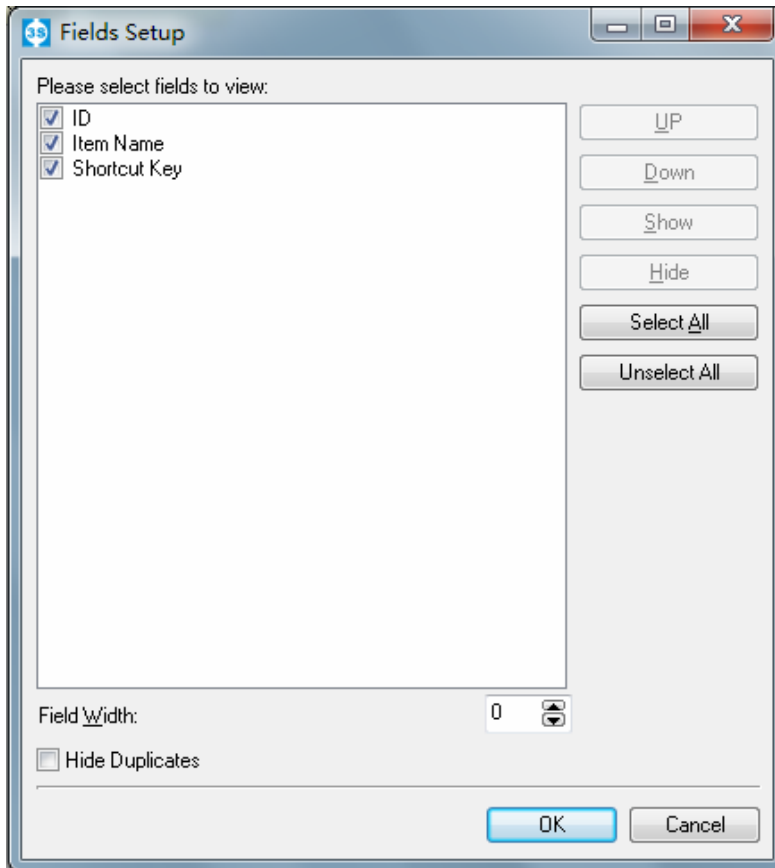


Figure 6-7-2-2

Other functions such as running a filter, locating a value and printing can also be undertaken from this View menu.

6.8 System Manager

Clicking on the System Management sub menu item will bring up the System management window (figure 6-8-1-1) The System Management screen consists of four tabs, Repeated Check, Events View/Alert Range, Screen Saver, Photo Viewer and other options.

6.8.1 Repeated Check

The SECUSYS 2000 software provides 2 fields named ID Number and Person Code in the Personnel Basic Information section. An ID Number is usually the Personnel ID Card number or Passport Number given by the government, or a company ID number. The Person Code is a free field which the user can use for any other purpose. In some cases when interfacing with 3rd party T&A software, the unique identifier given to the employee of the T&A software can be given to SECUSYS 2000 employee as "Person Code". This makes the interaction between the SECUSYS and the T&A 2 software easier. In the System Management Repeated Check tab, there are options to define if the fields must be unique, meaning the software will not allow 2 employees with the same Person Code or ID Number to be entered (figure 6-8-1-1)

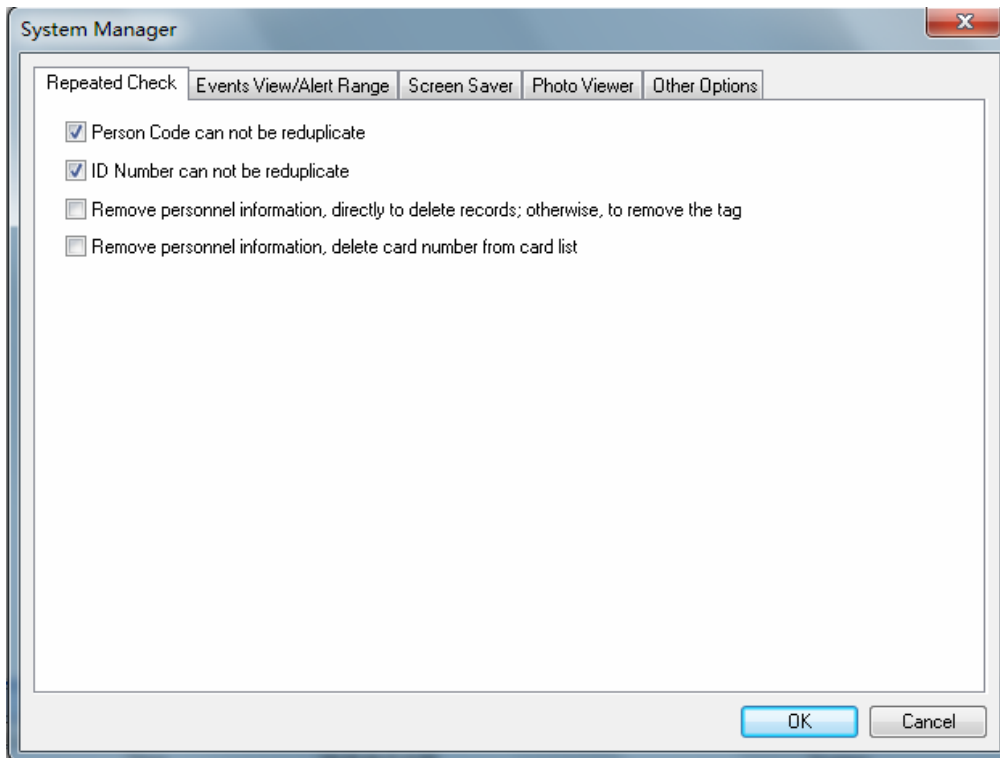


Figure 6-8-1-1

6.8.2 Events View/Alert Range

A User can define the range of Events and Alerts presented on the SECUSYS 2000 monitors, that is the “Events monitor”, the “Multi Site View monitor” and the “Controller Manager” monitor (figure 6-8-2-1)

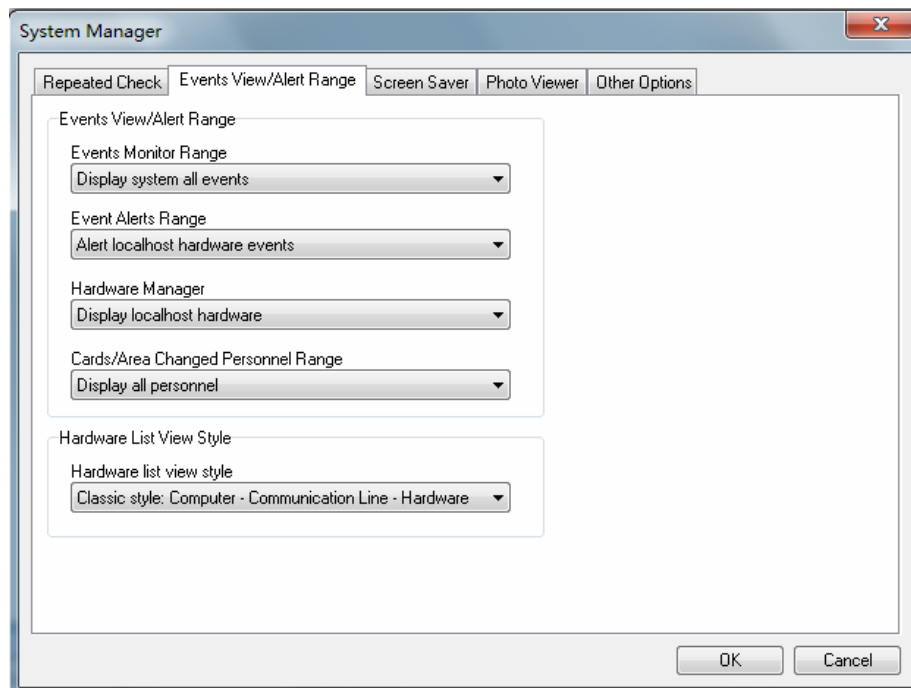


Figure 6-8-2-1

The following are the available options for the **Events Monitor Range** (figure 6-8-2-2)

Display all system events: All controllers events information will be presented in SECUSYS 2000 including the server controllers and the client controllers.

Display local host controller event: Only events from controllers which are connected to the PC that is running SECUSYS 2000 will be presented.

Display local host controller that current operator has right events: Will present events only from controllers which are connected to this PC and that the user (see User Accounts, e.g. Administrator) has the privileges to monitor (the controllers).

The following are the available options for the **Events Alert Range** (figure 6-8-2-3)

Alert system all controller events: All controllers Alerts information will be presented in SECUSYS 2000 including server controllers and client' controllers.

Alert local host controller: Only Alerts from controllers which are connected to the PC which is running SECUSYS 2000 will be presented.

Alert these controllers that current operator has right: Will present Alerts only from controllers which are connected to this PC and that the user (see User Accounts, e.g. Administrator) has the privileges to monitor (the controllers).

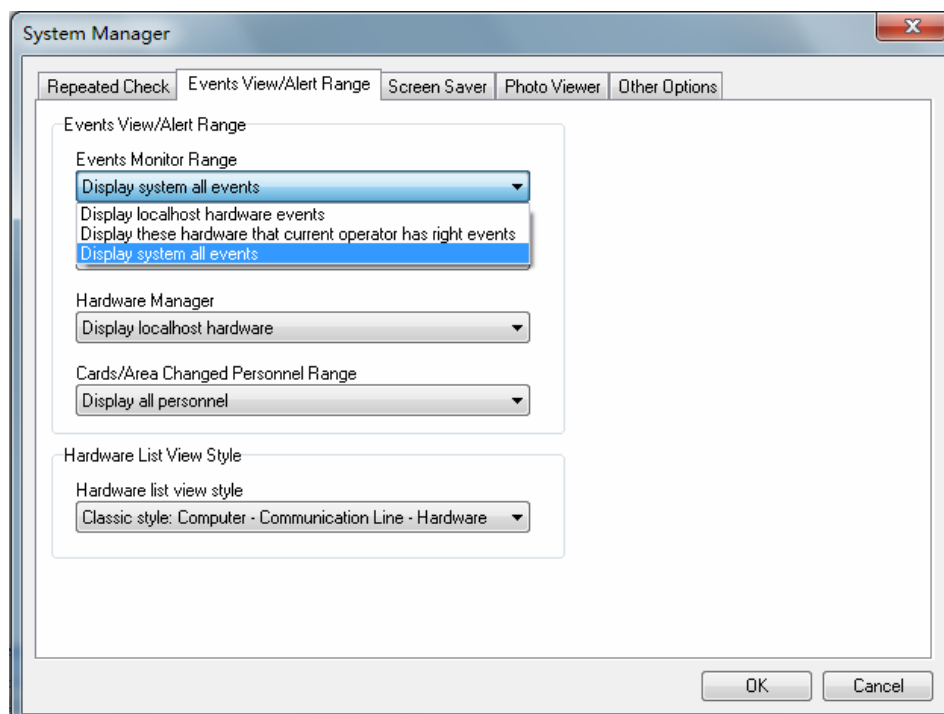


Figure 6-8-2-2

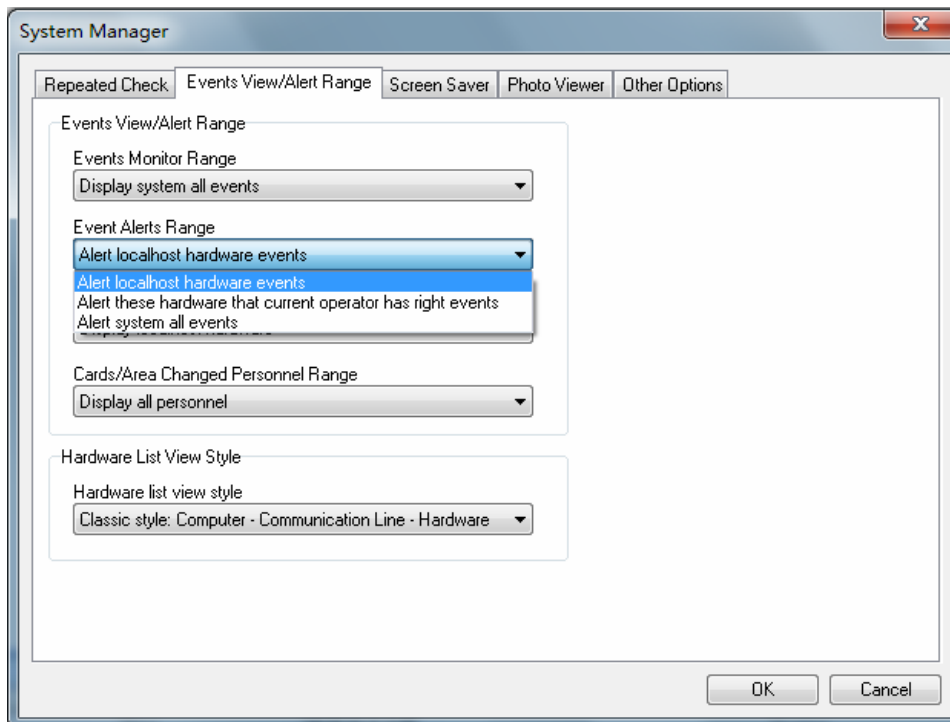


Figure 6-8-2-3

The following are the available options for the **Hardware Manager** (figure 6-8-2-4)

Display system all controller: Will display all controllers of the server and all clients.

Display local host controller: Will display only the controllers which are connected to this PC.

Display these controllers that current operator has right: Will display only the controllers which are connected to this PC and the user (see User Accounts, e.g. Administrator) has the privileges to monitor (the controllers).

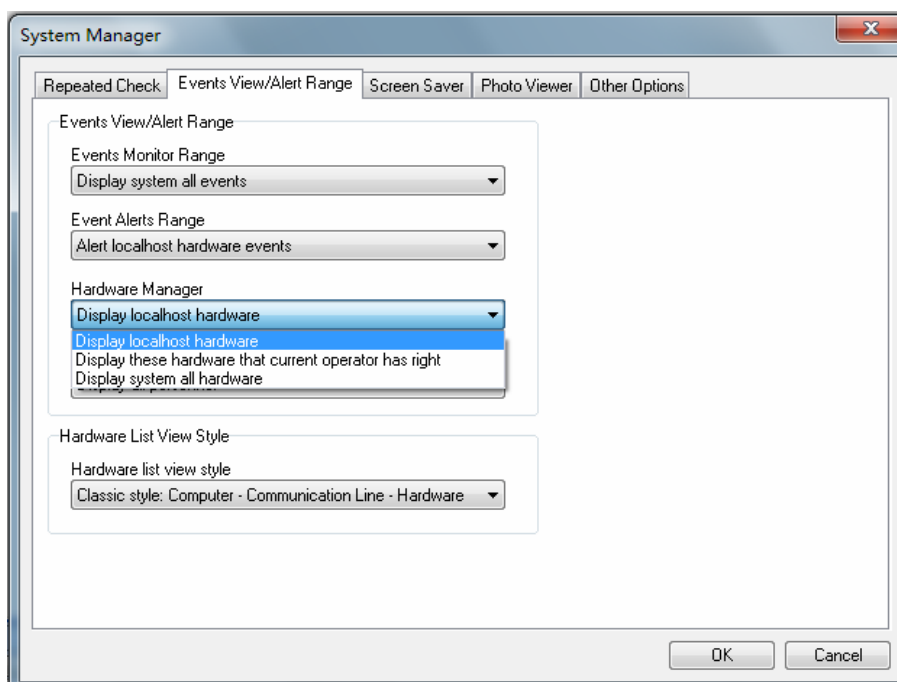


Figure 6-8-2-4

The following are the available options for the **Cards/Area changed Personnel Range** (figure 6-8-2-5)

Display these personnel that current operator has rights : Only display these personnel that current operator has rights

Display all personnel : Will display all personnel

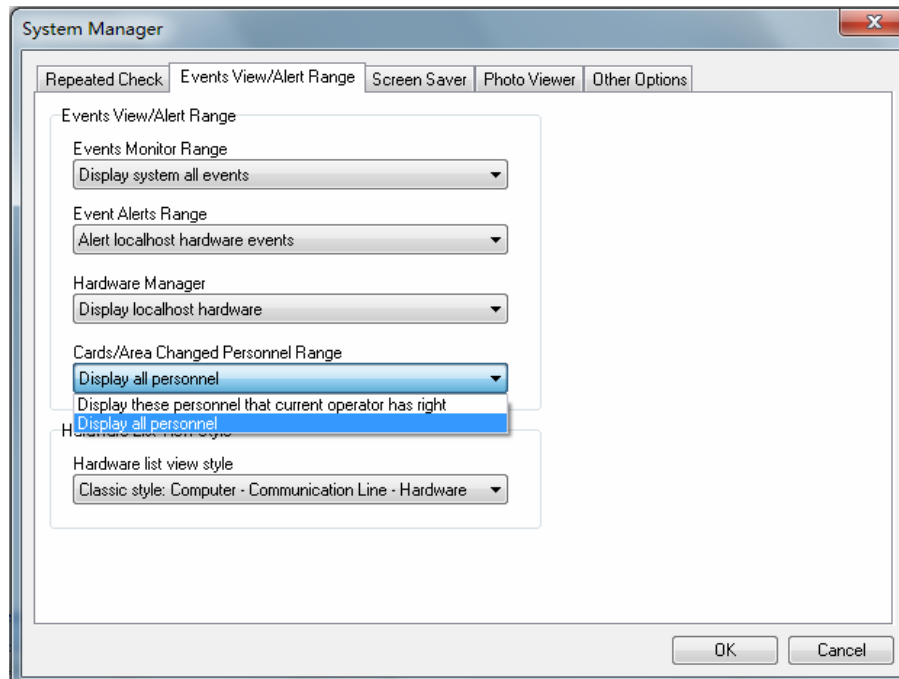


Figure 6-8-2-5

The following are the available options for the **Hardware list view style** (figure 6-8-2-6)

Classic Style Computer

Address Style Installation site

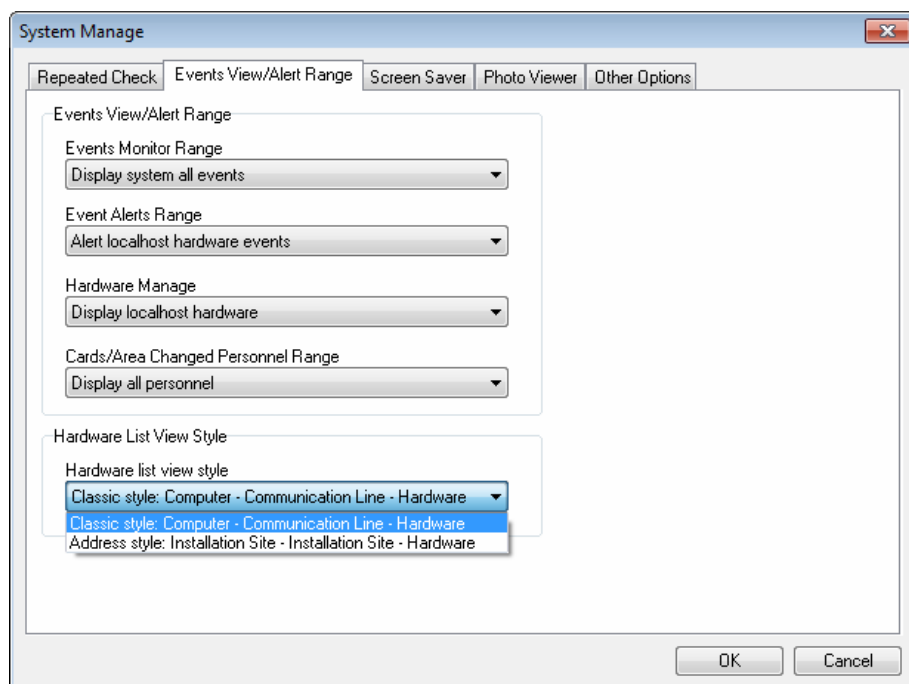


Figure 6-8-2-6

The “Hardware Manager” is a vertical window on the left hand side of the SECUSYS 2000 screen. It shows the tree of the controllers (figure 6-8-2-7)

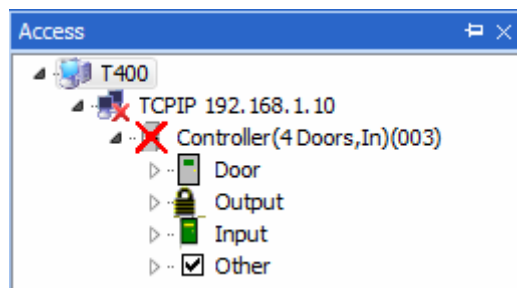


Figure 6-8-2-7

6.9 Holiday Setup

Clicking on the Holiday Setup sub menu item will bring up the Holiday Setup main screen (figure 6-9-1)

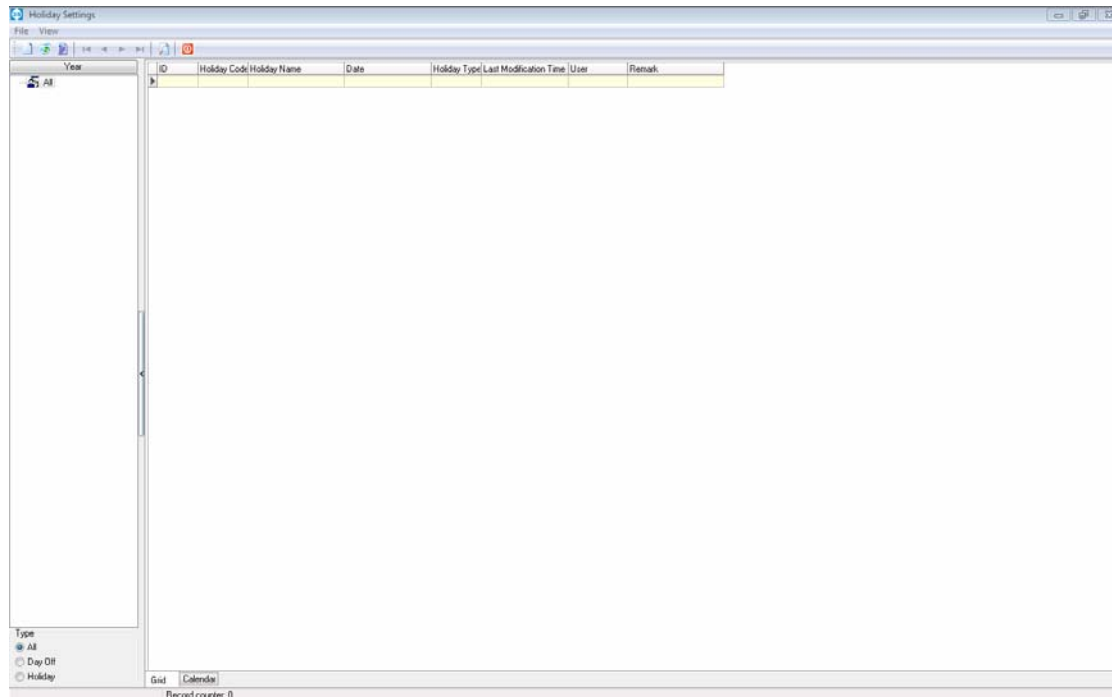


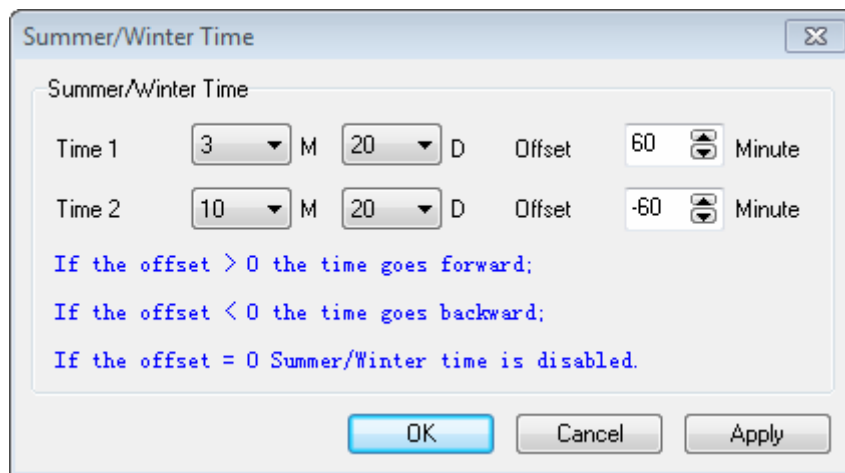
Figure 6-9-1

To add a holiday click “File, Add” (figure 6-9-2) Enter the details and click OK. Once added the holiday will appear in the list in the main Holiday Settings screen. As well as adding a holiday, the File menu can be used to Edit or Delete a holiday.

Figure 6-9-2

6.10 Summer/Winter Time

Summer/Winter Time or Daylight Saving can be setup using the Summer/Winter sub-menu of the Manager menu (figure 6-10-1). Using the drop down menus of Time 1, set the month then the day that Summer/Winter time begins and the number of minutes that the time will be advanced. Note for Southern Hemisphere countries, daylight saving commences around March when the clocks are put forward 1 hour then reverts to standard time in October when the clocks are put back (Spring forward, Fall back). In the below example, the clock has been put forward by one hour on the 20th March then reverts back 1 hour on the 20th October.



The screenshot shows a dialog box titled "Summer/Winter Time" with a close button (X) in the top right corner. Inside the dialog, there is a section labeled "Summer/Winter Time" containing two rows of configuration options:

Time	Month	Day	Offset	Unit
Time 1	3	20	60	Minute
Time 2	10	20	-60	Minute

Below the configuration fields, there are three lines of explanatory text in blue:

- If the offset > 0 the time goes forward;
- If the offset < 0 the time goes backward;
- If the offset = 0 Summer/Winter time is disabled.

At the bottom of the dialog, there are three buttons: "OK", "Cancel", and "Apply".

Figure 6-10-1