

Oracle Insurance IBRU Installation and Upgrade Guide

Version 3.12

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Oracle Insurance Insbridge Rating and Underwriting Installation and Upgrade Guide

Version 3.12

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Contents

FIGURES.....	5
PREFACE.....	6
Audience.....	6
SoftRater Node Installation	6
E-Delivery.....	7
Manual History	7
CHAPTER 1	8
CHECKLIST OF REQUIREMENTS AND PROCEDURES	8
CHAPTER 2	10
REQUIREMENTS	10
Server Requirements	10
Required Components	10
Internet Information Services (IIS) 5.0	10
Internet Information Services (IIS) 6.0	11
Message Queuing Services	12
Microsoft .NET Framework.....	12
Installing Java Runtime Environment for PDF creation	13
Special Considerations for Windows Server 2003.....	14
Microsoft SQL Server 2000 or 2005.....	16
MDAC 2.8.....	17
Insbridge Local User Account Setup.....	18
CHAPTER 3	20
FULL INSTALLATION PROCEDURES	20
Insbridge Rating and Underwriting Installation.....	21
Configuration of the Insbridge Framework Components	27
Configure Registry Access for Windows 2000 Server	27
Configure Registry Access for Windows Server 2003.....	29
Windows Temp Folder for MSMQ.....	31
Permissions for Insbridge Folder Location.....	34
IBRU Database Creation and Installation in SQL Server.....	37
SoftRater Database Creation and Installation in Oracle	46
Configuring Insbridge Framework Administrator.....	47
Updating the Component Services	55
Export Insbridge Registry Key for Backup	57
Export and Import Subscriber Registry Key for SoftRater Node Installation	57
CHAPTER 4	59
INSTALLING THE OBI PUBLISHER.....	59
CHAPTER 5	61
UPDATES TO THE INSBRIDGE APPLICATION	61
CHAPTER 6	66
DATABASE UPDATES	66
Working with RateManager for the First Time.....	66
Running Database Updates in RateManager	66
Oracle Database Setup and Update Instructions.....	68

<i>Location of DDL Directory</i>	69
CHAPTER 7	70
MANUAL UPDATES TO THE IBRU DATABASES	70
<i>Updating the SoftRater Database from a Lower Version</i>	74
CHAPTER 8	75
ADVANCED SETTINGS AND PERMISSION NOTES	75
<i>Advanced Settings for RateManager</i>	75
<i>Permissions Required by the ASPNET Microsoft .NET User Account</i>	76
<i>Default SQL Server Database User Roles and Permissions Required</i>	76
<i>Extended Permission Required by the Insbridge User</i>	77
CHAPTER 9	78
SUPPORT	78
INDEX	79

Figures

Figure 1 Enabling Active Server Pages and ASP.NET v2.0	11
Figure 2 Message Queuing Type	12
Figure 3 Installing .NET Framework	13
Figure 4 Setting SQL Server	16
Figure 5 Disabling Windows NT Fibers	17
Figure 6 Creating New User	18
Figure 7 Adding User information.....	19
Figure 8 Installing Insbridge	21
Figure 9 Entering the Destination Folder for Insbridge.....	22
Figure 10 Logon Information	23
Figure 11 Install ReadMe Screen	26
Figure 12 Configure Registry Access Windows 2000 Server	27
Figure 13 Selecting the insbridge user	28
Figure 14 Setting Permissions.....	29
Figure 15 Configure Registry Access Windows Server 2003	30
Figure 16 Entering the User	30
Figure 17 Applying Permissions for 2003 User	31
Figure 18 Windows Explorer WINNT 2000 Properties	32
Figure 19 Windows Explorer WINNT 2000 Properties	33
Figure 20 Insbridge Folder Properties	34
Figure 21 Setting Permission for Insbridge Folder	35
Figure 22 Setting Permission for Insbridge Folder	36
Figure 23 Setting up a SQL Server 2000 Database.....	38
Figure 24 Attaching a Database	39
Figure 25 IB_CLIENT_ xxxx Attached.....	39
Figure 26 Editing the Database before Attaching.....	40
Figure 27 Attaching a Database to SQL Server 2005	42
Figure 28 Right Click to Attach Database	42
Figure 29 Attaching a Database	43
Figure 30 IB_CLIENT_ xxxx Attached.....	44
Figure 31 Editing the Database before Attaching.....	45
Figure 32 IBFA Home	47
Figure 33 Enter ID	48
Figure 34 Setting up the Global Database Connection	49
Figure 35 Setting up the Security Database Connection	50
Figure 36 Setting up the RateManager Database Connection	51
Figure 37 Create a Rating Environment.....	52
Figure 38 Entering Name and Environment	53
Figure 39 Obtaining Environment Information.....	53
Figure 40 Editing Environment	54
Figure 47 Component Services	56
Figure 41 SoftRater Node Installation	57
Figure 48 Installing OBI Publisher	59
Figure 49 Insbridge Services Screen	60
Figure 45 Installing Insbridge	61
Figure 46 Entering User Information for Insbridge	62
Figure 43 Available Updates	67
Figure 44 Script Viewer	71
Figure 50 Updating Database.....	72
Figure 51 Updating Database.....	73
Figure 42 Configuring Advanced Settings.....	75

Oracle Insurance Insbridge Rating and Underwriting Installation and Upgrade Guide

Preface

Welcome to the *Oracle Insurance Insbridge Rating and Underwriting Installation and Upgrade Guide*. The Insbridge Rating and Underwriting (IBRU) System is a browser-based, multiplatform insurance rating and underwriting technology solution that provides integrated management for every aspect of the rate definition and modification process.

The Insbridge Rating and Underwriting system is a web-based application with a database backend that can be configured to utilize many different and complex configurations. This document is meant to help with the installation of the Insbridge Rating and Underwriting System.

Audience

This guide is intended for system administrators, installers, database administrators and others tasked with installing and configuring the IBRU system and associated databases.

SoftRater Node Installation

There are various methods used to deploy IBRU. It is recommended that at least two environments be setup, one for development and testing and one for production. A preferred setup is to have three environments, one for development, one for testing and one for production.

Each environment can have its own configuration and database structure. For example, it is required that you have RateManager and IBFA on the same Windows machine in development. However, when you move in to production you may want have IBFA on a separate machine with an Oracle database.

To allow for packages to be moved from environment to environment, it is necessary to have a SoftRater Node install. A SoftRater Node installation is required when you have IBFA and RateManager on separate machines and you want to load packages from one environment to another. The SoftRater node is installed on the receiving IBFA.

If performing a SoftRater node install, the following document also can be used.

Steps that don't need to be performed for a SoftRater node installation are marked as not required and colored red.

E-Delivery

The Insbridge Rating and Underwriting (IBRU) System is available as a download from the Oracle E-Delivery system. Downloaded files are zipped. Prior to installation, please make sure the source machine(s) where IBRU will be loaded has an unzip utility.

An unzip utility for most platforms is available on the E-Delivery download page.

Documentation from E-Delivery is in PDF format. Prior to installation, please make sure the source machine(s) where IBRU documentation will be loaded has a PDF reader.

Files are downloaded with part numbers as file names. Please make note of the part numbers you have downloaded and the corresponding file name. You may be asked to provide the part numbers or the filename if you contact Oracle Insurance Support.

The installation downloads you can select are:

- Insbridge IBRU Install – This is required for all installations
- SoftRater for WebSphere – This is required if you are using WebSphere
- SoftRater for WebLogic – This is required if you are using WebLogic
- SoftRater for JBoss – This is required if you are using JBoss
- Documentation – It is recommended that you download the documentation. Installation guides and user guides are located here.

SoftRater downloads are not required if you are running in Windows only.

Manual History

New editions incorporate any updates issued since the previous edition.

Edition	Publication Number	Product Version	Publication Date	Comment
1 st Edition	P01-701-01		03/28/2005	Updated for new layout / Windows 2003
2 nd Edition	P01-701-02		04/14/2005	New layout, updated ASPNET user permissions req
3 rd Edition	P01-701-03	V 3.6	03/14/2006	Update
4 th Edition	P01-701-04	V 3.7	09/28/2006	Update
5 th Edition	P01-701-05	V 3.8	July 2007	Update
6 th Edition	P01-701-06	V 3.8.3	October 2007	Update
7 th Edition	P01-701-07	V 3.8.5	November 2007	Update
8 th Edition	P01-701-08	V 3.8.7	January 2008	Update
9 th Edition	P01-701-09	V 3.8.8	March 2008	Update
10 th Edition	P01-701-10	V 3.9	May 2008	Update
11 th Edition	P01-701-11	V 3.10	September 2008	Update
12 th Edition	P01-701-12	V 3.11	December 2008	Update
13 th Edition	P01-701-13	V 3.12	July 2009	Update

Checklist of Requirements and Procedures

The following checklist can be used to help in installing and configuring a SoftRater node.

- ☐ **Check Web Server for needed dependencies**
 - ☐ IIS Installed
 - ☐ MSMQ
 - ☐ Microsoft .NET Framework version 2.0 or 3.5
- ☐ **Check Database Server for needed requirements**
 - ☐ Proper Network Connection to Database Server
 - ☐ Mixed Mode Authentication
 - ☐ Not using NT Fibers
 - ☐ Collation and Sort Order Supported
- ☐ **Create Insbridge Local User Account**
 - ☐ Insbridge User Account Name: _____
 - ☐ Insbridge User Account Password: _____
- ☐ **Install Insbridge Framework**
 - ☐ Set full permissions for the Insbridge user Registry Access
 - ☐ Set full permissions for the Insbridge user Temp Folder for MSMQ
 - ☐ Set full permissions for the Insbridge user to the Insbridge folder
- ☐ **Attach IBSR and IB_CLIENT database**
 - ☐ Insbridge IBSR Database Name: _____
 - ☐ Insbridge IB_CLIENT Database Name: _____
 - ☐ Databases Owner User Account: _____
 - ☐ Databases Owner User Password: _____
 - ☐ Assign Database User Account as db_owner to IBSR database
- ☐ **Configure IBFA**
 - ☐ Add Subscriber ID
 - ☐ Add Database Connection for **controller** pointing to the IB_CLIENT database
 - ☐ Add Database Connection for **security** pointing to the IB_CLIENT database
 - ☐ Add SoftRater Environments for loading of SRPs and rating
- ☐ **Install OBI Publisher**
 - ☐ Start Message Service
- ☐ **Import the registry key from RateManager server**

The following checklist can be used to help in installing and configuring the IBRU system.

- ☐ **Check Web Server for needed dependencies**
 - ☐ IIS Installed
 - ☐ MSMQ
 - ☐ Microsoft .NET Framework version 2.0 or 3.5
 - ☐ JRE
- ☐ **Check Database Server for needed requirements**
 - ☐ Proper Network Connection to Database Server
 - ☐ Mixed Mode Authentication
 - ☐ Not using NT Fibers
 - ☐ Collation and Sort Order Supported
- ☐ **Create Insbridge Local User Account**
 - ☐ Insbridge User Account Name: _____
 - ☐ Insbridge User Account Password: _____
- ☐ **Install the IBRU System**
 - ☐ Set full permissions for the Insbridge user Registry Access
 - ☐ Set full permissions for the Insbridge user Temp Folder for MSMQ
 - ☐ Set full permissions for the Insbridge user to the Insbridge folder
- ☐ **Attach IBRM and IB_CLIENT database, and IBSR database**
 - ☐ Insbridge IBRM Database Name: _____
 - ☐ Insbridge IBSR Database Name: _____
 - ☐ Insbridge IB_CLIENT Database Name: _____
 - ☐ Databases Owner User Account: _____
 - ☐ Databases Owner User Password: _____
 - ☐ Assign Database User Account as db_owner to IBSR database
- ☐ **Configure IBFA**
 - ☐ Add Subscriber ID
 - ☐ Add Database Connection for **controller** pointing to the IB_CLIENT database
 - ☐ Add Database Connection for **security** pointing to the IB_CLIENT database
 - ☐ Add Database Connection for **rm** pointing to the IBRM_xxxx database
 - ☐ Add Default RateManager Environment for Rating in Scenario Manager
 - ☐ Configure the Default RateManager Environment
 - ☐ Add SoftRater Environments for loading of SRPs and rating
- ☐ **Install OBI Publisher**
 - ☐ Start Message Service
- ☐ **Update component services**
- ☐ **Export and backup Insbridge registry key for safe storage**
- ☐ **Login to RateManager using USERNAME and PASSWORD**
- ☐ Perform IBRU database updates

Requirements

Server Requirements

A full installation of Microsoft Windows 2000 (either Server or Advanced Server) or Windows Server 2003 is required. The following configuration assumes that the administrator of the server to be generally familiar with managing a Windows 200x server.

Required Components

All Windows Server components are available for installation from the Control Panel, Add/Remove Programs applet by selecting Add/Remove Windows Components. In order to install these Windows Components, you may be required to have the Windows Installation files available. The following components are required:

- **IIS – Internet Information Services**
 - Version 5.0 for Windows 2000
 - Version 6.0 for Windows 2003
- **MSMQ – Microsoft Message Queuing Services**
- **Microsoft .NET Framework, version 2.0 or version 3.5**
- **JRE – Java Runtime Environment** (not required for a SoftRater Node only install)

Internet Information Services (IIS) 5.0

Required for Windows 2000. The Insbridge Rating and Underwriting System is a web based application and requires IIS to be installed before the Insbridge Rating and Underwriting System installation to facilitate the default web virtual directories creations.

The subcomponents of IIS needed by the Insbridge Rating and Underwriting System:

- Common Files
- Documentation
- Internet Information Services Snap-In
- SMTP Service – Although not required, the SMTP service will allow the Insbridge Rating and Underwriting System to notify users via email when extended jobs have been completed. If the SMTP service is located on a corporate network, then the service must be properly configured for authorization to relay mail internally to a smart host. Please check with your information services support group for proper configuration.
- World Wide Web Server

Internet Information Services (IIS) 6.0

Required for Windows 2003. The Insbridge Rating and Underwriting System is a web based application and requires IIS to be installed before the Insbridge Rating and Underwriting System installation to facilitate the default web virtual directories creations.

The subcomponents of Application Server needed by the Insbridge Rating and Underwriting System:

- Application Server Console
 - ASP.NET
 - Enable network COM+ access
 - Internet Information Services (IIS)
 - Common Files (default)
 - SMTP Service – Although not required, the SMTP service will allow the Insbridge Rating and Underwriting System to notify users via email when extended jobs have been completed. If the SMTP service is located on a corporate network, then the service must be properly configured for authorization to relay mail internally to a smart host. Please check with your information services support group for proper configuration.
 - World Wide Web Service
 - Active Server Pages
 - World Wide Web Service
- Message Queuing
- Active Directory Integration (default)
- Common (default)

After installing IIS, Active Server Pages and ASP.NET v2.0.xxxx must be enabled in order for the IBRU applications to work.

1. Open Internet Information Services (IIS) Manager in the administration tools.
2. Select the Web Service Extensions on the left hand side and make sure they are **Allowed** as shown below:

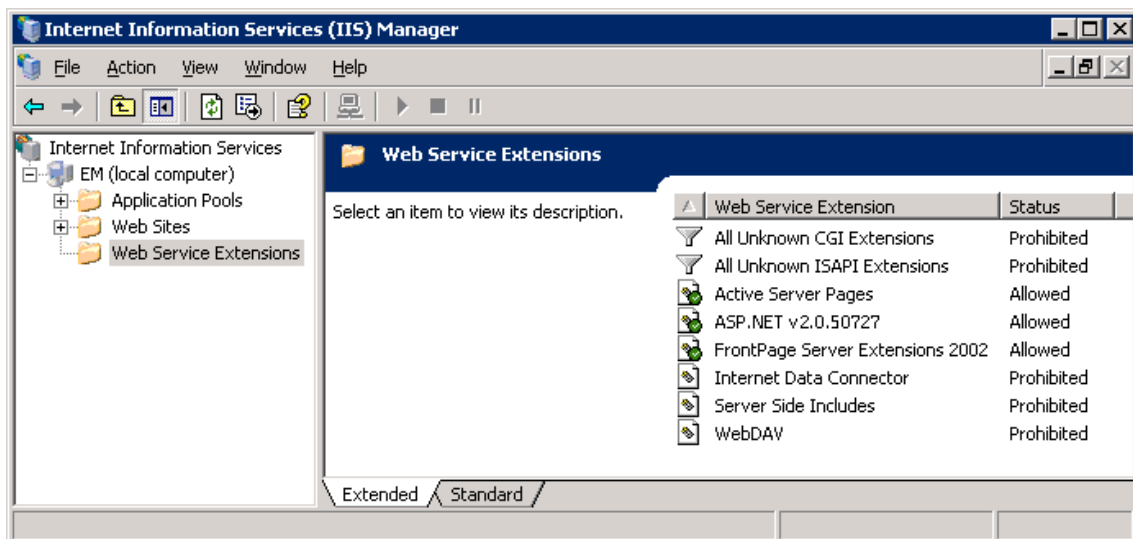


Figure 1 Enabling Active Server Pages and ASP.NET v2.0

Message Queuing Services

Required for Windows 2000 and Windows 2003. The Insbridge Rating and Underwriting system utilizes the Microsoft Message Queuing Service (MSMQ) for batching jobs and other types of extended functions. The Microsoft Messaging Queuing Service can be configured for stand-alone operation without need to access any Active Directory unless specified by your information support services. The Insbridge Rating and Underwriting System utilizes by default private message queues that have no need for routing.

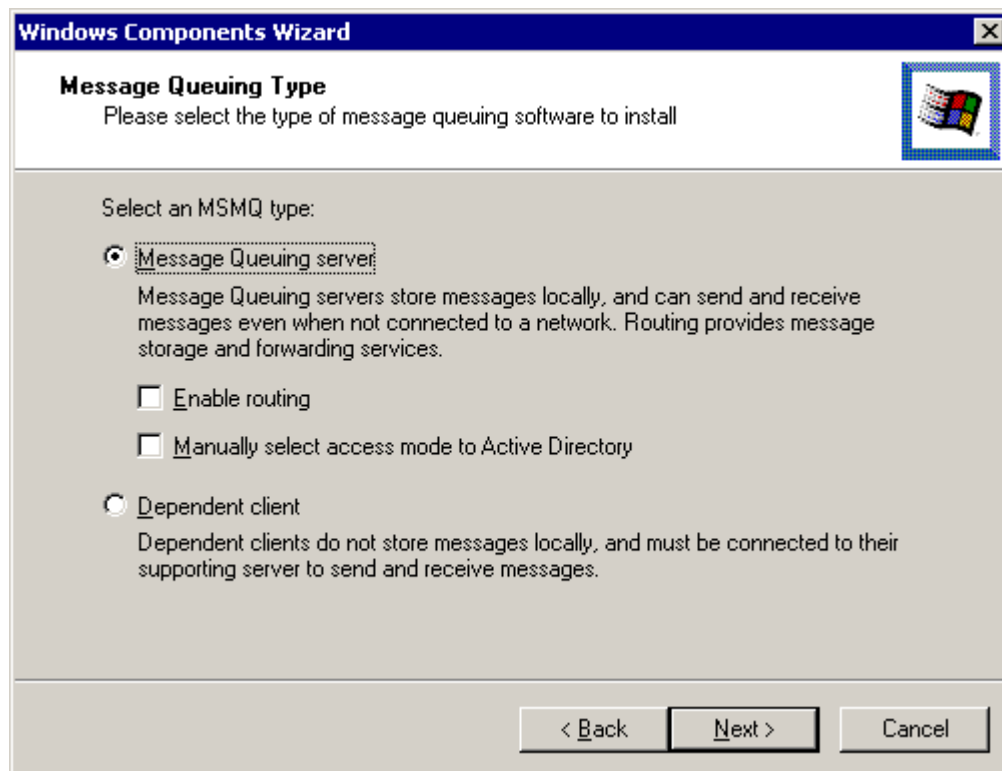


Figure 2 Message Queuing Type

Microsoft .NET Framework

Required for Windows 2000 and Windows 2003. The installation application attempts to install all necessary dependencies that may be missing on the IBRU web host and will attempt to install the Microsoft .NET 2.0 Framework from the web. In some corporate environments, external access to download the Framework may not be allowed. Therefore, we would suggest installing the Microsoft .NET Framework version 2.0 prior to starting the Insbridge Rating and Underwriting System install. This can be obtained from Microsoft's website or from using Microsoft's Windows Update.

We also highly recommend installing the .NET Framework after installing IIS in order to update all the web applications to utilize the ASPNET system. This can be double checked by opening Internet Service Manager and right clicking the Default Web Site, selecting properties, then select the Home Directory tab. Press the Configuration... button and scroll down to the bottom.

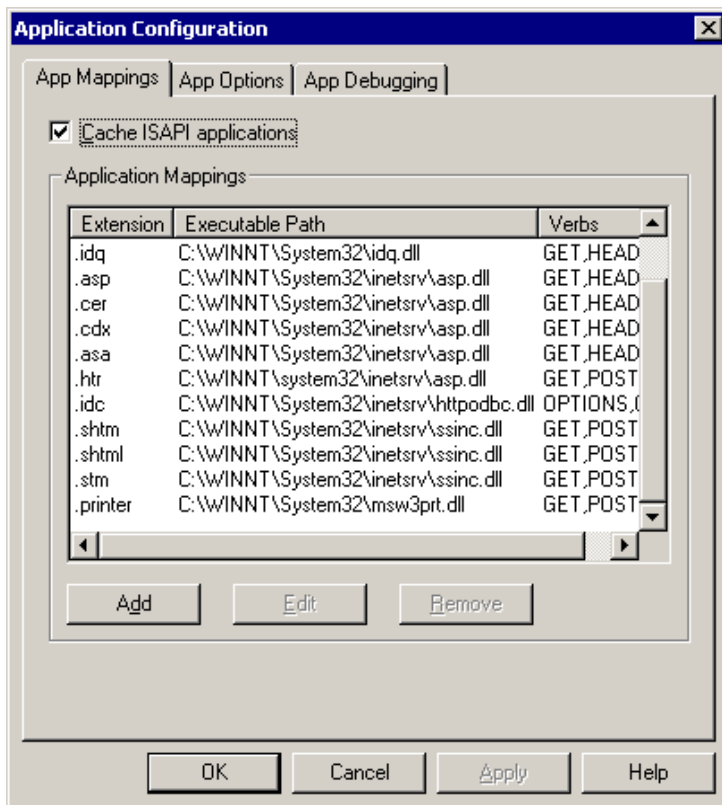


Figure 3 Installing .NET Framework

If you don't see any of the ASPNET extensions (.asax, aspx, .asmx, etc.) pointing to %WINDIR%\Microsoft.NET\Framework\v2.0.50727\aspnet_isapi.dll, then the .NET framework was probably installed prior to installation of IIS.

In order to install the ASPNET ISAPI extensions use the aspnet_regiis.exe located in the Framework\v2.0.50727 folder. If you want to upgrade all default web applications under IIS to use the 2.0 framework ASPNET ISAPI, use the following syntax:

```
C:\WINNT\Microsoft.NET\Framework\v2.0.50727>aspnet_regiis.exe -i
```

- i - Install this version of ASP.NET and update script maps at the IIS metabase root and for all script maps below the root. Existing script maps of lower version are upgraded to this version.

Please see page 76 in regards to the permissions required by the local ASPNET user account.

Installing Java Runtime Environment for PDF creation

This dependency is not required for a SoftRater node installation.

Required for Windows 2000 and Windows 2003. However, in order to create reports as PDF files from the RateManager web interface, the Java Runtime Environment version 1.4 or above must be installed on the web server. The JRE can be downloaded from the

<http://www.java.com/en/download/>

Special Considerations for Windows Server 2003

Microsoft has identified some known issues with Windows Server 2003. Oracle Insurance is aware that these issues may surface during the installation of Insbridge Rating and Underwriting System, depending upon your network setup and choice of operating system. Oracle Insurance offers the following solutions for known issues. Please discuss and involve your System Administration Group or IT Department prior to making any change. The suggestions listed below will allow the Insbridge Rating and Underwriting System to function in most environments. Oracle Insurance makes no claim to knowing what effects these changes may have on other areas of your network.

Prior to making any changes, please consult with your System Administration Group or IT Department and Insbridge support.

FIPS Encryption

PROBLEM: A Windows Server 2003 server with an encryption level set to FIPS Compliant will not allow Remote Assistance connections from a Windows XP box. When you try to connect, you will receive an error message.

SUGGESTED SOLUTION: Disable the FIPS encryption.

There are two ways to enable the FIPS encryption level. If you have to disable the FIPS encryption level for Terminal Services, you must do this by using the same method that you originally used to enable the FIPS encryption level. ¹

Method 1

To disable the FIPS encryption level by changing the **Encryption level** setting in the **RDP-Tcp Properties** dialog box, follow these steps:

1. Click **Start**, click **Run**, type **tscc.msc** in the **Open** box, and then click **OK**.
2. Click **Connections**, and then double-click **RDP-Tcp** in the right pane.
3. In the **Encryption level** box, click to select a level of encryption other than **FIPS Compliant**.

Note If the **Encryption level** setting is disabled when you try to change it, the system-wide setting for **System cryptography: Use FIPS compliant algorithms for encryption, hashing, and signing** has been enabled, and you must disable this system-wide setting by using method 2.

¹ From Microsoft Knowledge Base Article #811770.

Method 2

To use the Group Policy Object to disable FIPS data encryption system-wide, follow these steps:

1. Click **Start**, click **Run**, type **gpedit.msc** in the **Open** box, and then click **OK**.
2. Expand **Computer Configuration**, expand **Windows Settings**, expand **Security Settings**, expand **Local Policies**, and then click **Security Options**.
3. In the right pane, double-click **System cryptography: Use FIPS compliant algorithms for encryption, hashing, and signing**, click **Disable**, and then click **OK**.

Note Encryption level settings in Terminal Server are unavailable when FIPS is enabled.

For more information, please visit <http://support.microsoft.com/kb/811770>.

Distributed Transaction Coordinator (DTC)

PROBLEM: Network DTC access is disabled by default in Windows Server 2003 server. If network DTC access is not enabled, applications can only use transactions that are located on the same box. If you want a client to access the server, you will receive an error message.

SUGGESTED SOLUTION: Enable DTC Access.

Please note that you must restart the server. ²

Steps to enable network DTC access

1. Click **Start**, point to **Control Panel**, and then click **Add or Remove Programs**.
2. Click **Add/Remove Windows Components**.
3. Select **Application Server**, and then click **Details**.
4. Select **Enable network DTC access**, and then click **OK**.
5. Click **Next**.
6. Click **Finish**.
7. Restart the computer.

If you are running Windows Server 2003 SP1, there are additional steps that must be taken. Please see <http://support.microsoft.com/kb/817064/en-us> for more information.

² From Microsoft Knowledge Base Article #817064.

Microsoft SQL Server 2000 or 2005

Microsoft SQL Server does not need to be installed on the same machine where the Insbridge web applications reside. If the SQL Server resides on a separate host from the IBRU web front end, a properly configured network connection from the web server front end to SQL Server must exist. Testing can be performed by using the Data Sources application in Administrative Tools to make a default connection to the database server.

NOTE

We recommend running your IBRU databases on a SQL Server 2005 instance.

Compatibility level:

IBRM_xxxx = SQL Server 2000

IB_CLIENT = SQL Server 2000

IBSR = SQL Server 2000

NOTE

All these settings are available during installation of SQL Server or by using SQL Server Enterprise Manager, and right clicking the server and selecting properties.

If any of these settings conflict with existing application's databases residing on the SQL Server, then a separate instance is required.

Depending on the load expected on the web server, the database can be placed on a separate SQL Server that can either be independent or shared as long as the following conditions are met. All settings are relevant on both SQL Server 2000 and 2005 instances:

- SQL Server must use **Mixed Mode Authentication**.

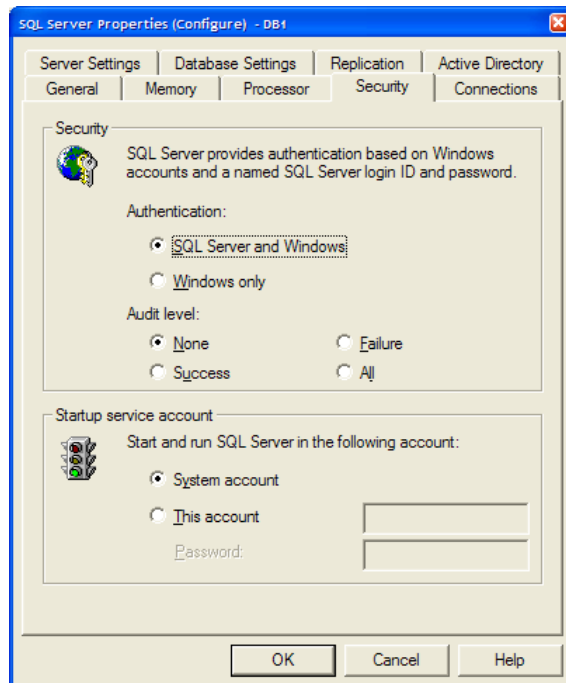


Figure 4 Setting SQL Server

- **NT Fibers** must **not** be enabled (not enabled by default).

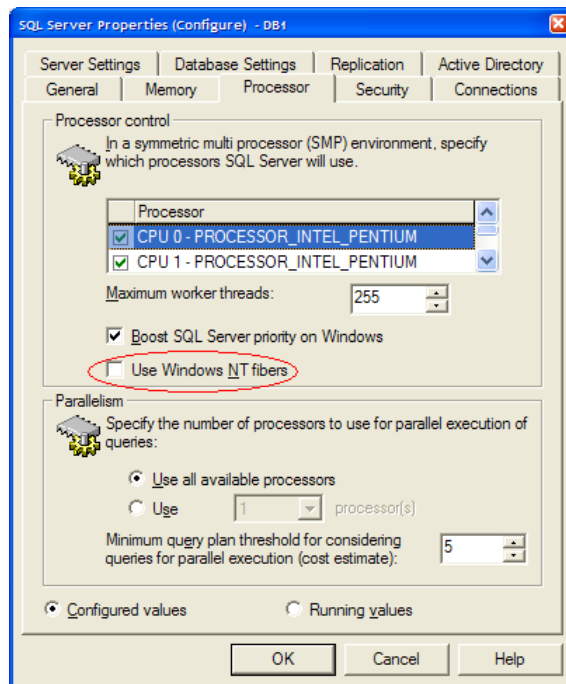


Figure 5 Disabling Windows NT Fibers

- **Collation and Sort Order:** Currently supported are the default SQL Server collation and sort order plus case sensitivity using Latin1_General_BIN as the server collation. Check with Insbridge for any questions regarding database server sort orders or collations.

NOTE For SQL Server 2005, please make sure the SQL Server Client is installed.

MDAC 2.8

If the Insbridge Rating and Underwriting application is split between a web server and a database server, then Microsoft's Data access component version 2.8 needs to be installed on the web front-end server.

NOTE MDAC version 2.8 or greater is required for the IBFA for SQL Server 2000.

MDAC version 2.8 is included with Windows Server 2003.

To check to see if MDAC is installed, go to: Start>Control Panel>Add or Remove Programs and scroll through the list. If it is not installed, you can download it from Microsoft's web site.

Insbridge Local User Account Setup

Before starting the installation, create a local user account where the Insbridge Framework is being installed. This user needs to be a member of the Users group and requires certain privileges in order to fully control the entire IBRU environment. For ease of installation and if the server is dedicated to the Insbridge Rating and Underwriting System, we suggest adding this user to the local machine Administrators group.

To create a new user:

1. Right click the My Computer icon on the desktop.
2. Select Manage from the drop down list.
3. Select Local Users and Groups.
4. Select Users.
5. Right click on the right side of the screen.
6. Select New User.

NOTE

There are some slight variations between Windows 2000 Server and Windows Server 2003. These variations will be pointed out as they occur.

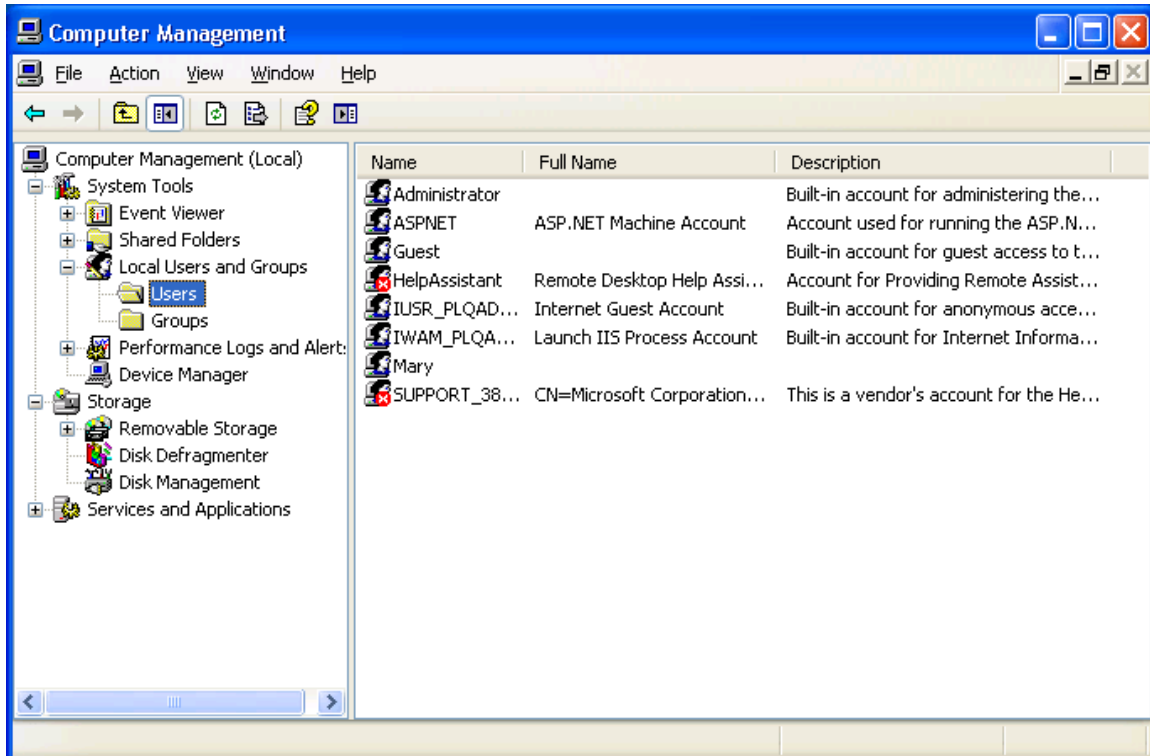


Figure 6 Creating New User

Add a new user using the following information:

New User

User name: Insbridge

Full name: IBRU User

Description: IBRU User

Password:

Confirm password:

☐ User must change password at next logon

☒ User cannot change password

☒ Password never expires

☐ Account is disabled

Create Close

Figure 7 Adding User information

The password can be set to any password and the administrator of the Insbridge Rating and Underwriting System must make note of the password for future configuration. For future reference, a space is provided below to store the password.

INSBRIDGE USER PASSWORD: _____

For ease of maintenance of the Insbridge Rating and Underwriting System, this user should not have to change the password and the password should never expire. After this user is created, the user will be assigned to the local Users group. Double check the Users group to make sure the Insbridge user was added. If the Insbridge user is not listed in the Users group, add them at this time. The Insbridge user also can be added to the local Administrators group at this time.

If the Insbridge Rating and Underwriting System is shared and this user cannot be a part of the local administrators groups, additional installation steps must be performed. See page 77.

Please note that if your company requires passwords to be re-set, you will have to make changes to the COM+ Application libraries after you change your password. The installation will automatically apply the Insbridge user name and password to the necessary libraries. If you change the password, you will have to change the password in all three of the Insbridge Com+ libraries. On each library, right click, select Properties, select the Identity tab, enter in the new password.

Full Installation Procedures

The installation must be performed in the following order:

- Install IBRU
- There are three permissions you must assign before you can continue.
 - Registry Access
 - Temp Folder for MSMQ
 - Insbridge Folder
- Creation of the IBRU databases is next. There are three databases that must be in place.
 - IB_Client
 - IBRM
 - IBSR
- Configuring the IBFA.
 - Adding your subscriber information.
 - Adding database connections.
 - Adding and defining your environment.
- Updating Component Services.
- Exporting Registry Key.
- Installing OIB Publisher.

The download files you receive will be zip files. Unzip the file to the machine where RateManager and Insbridge Framework will be located.

For this part of the install, you will need the 3.12.0 Insbridge IBRU folder. Folder includes:

1. **3.12.0-Insbridge-IBRU folder**
 - **Databases**
 - Oracle folder
 - SoftRater – IBSR
 - Usp_IBSR_v03.12.0.oracle
 - SQL Server
 - RateManager – IBRM
 - IBRM_TEMPLATE.mdf
 - Security – IB_CLIENT
 - IB_CLIENT_TEMPLATE.mdf
 - SoftRater – IBSR
 - IBSR_TEMPALTE.MDF
 - Usp_IBSR_v03.12.0
 - **IE7 Users**
 - Insbridge IE7 Active X Registration PDF
 - RateManager_IE7
 - **Oracle BI Publisher**
 - OBI_PUBLISHER
 - **Oracle Client**
 - **Oracle Insurance - Insbridge Rating and Underwriting Install file**

Insbridge Rating and Underwriting Installation

Begin with **Oracle Insurance - Insbridge Rating and Underwriting Install file**.

During the installation, the installation program requires the installer have administrator rights on the machine where the install is occurring. Please close all open applications and run the Oracle Insurance – Insbridge Rating and Underwriting file.

A Welcome screen will be displayed.

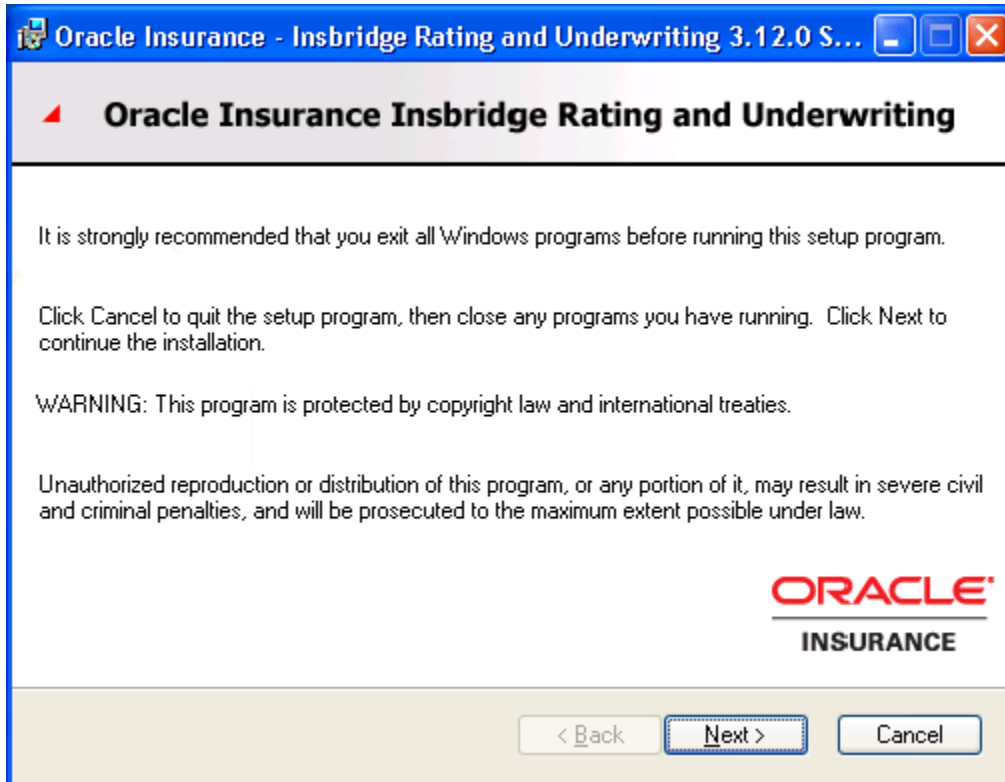


Figure 8 Installing Insbridge

1. Click **Next** to continue.

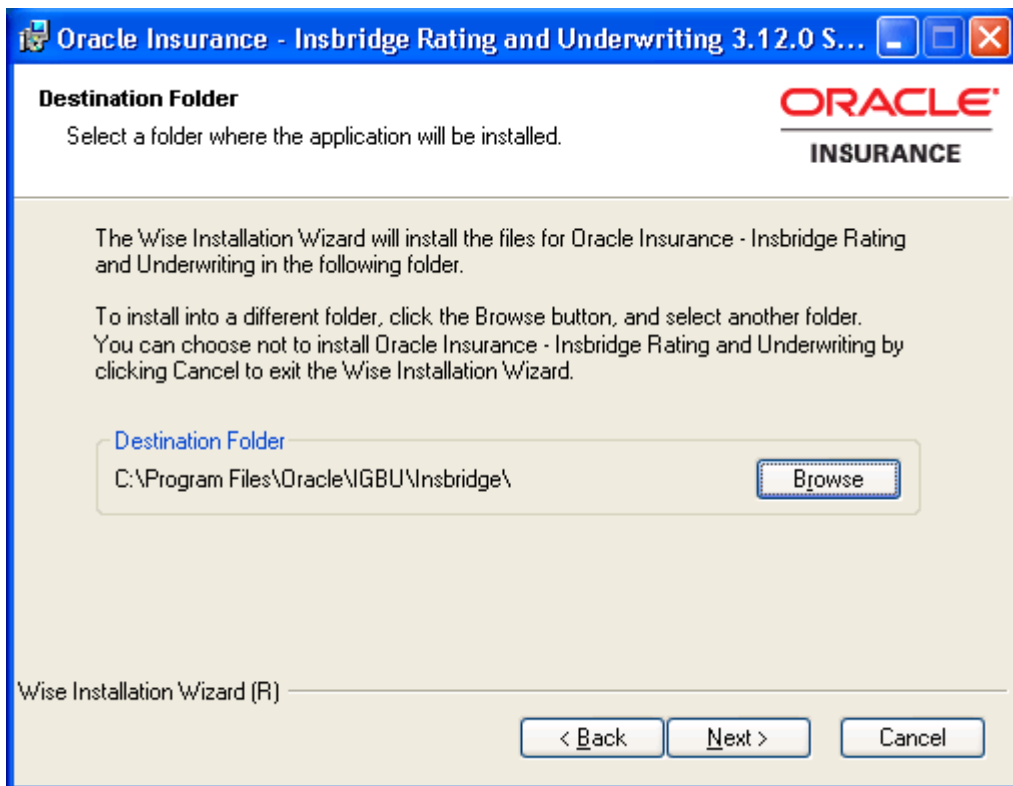


Figure 9 Entering the Destination Folder for Insbridge

2. Choose the location where the Insbridge installation will be located. This will be the location for all future installations for Insbridge applications. Click **Next** to continue.

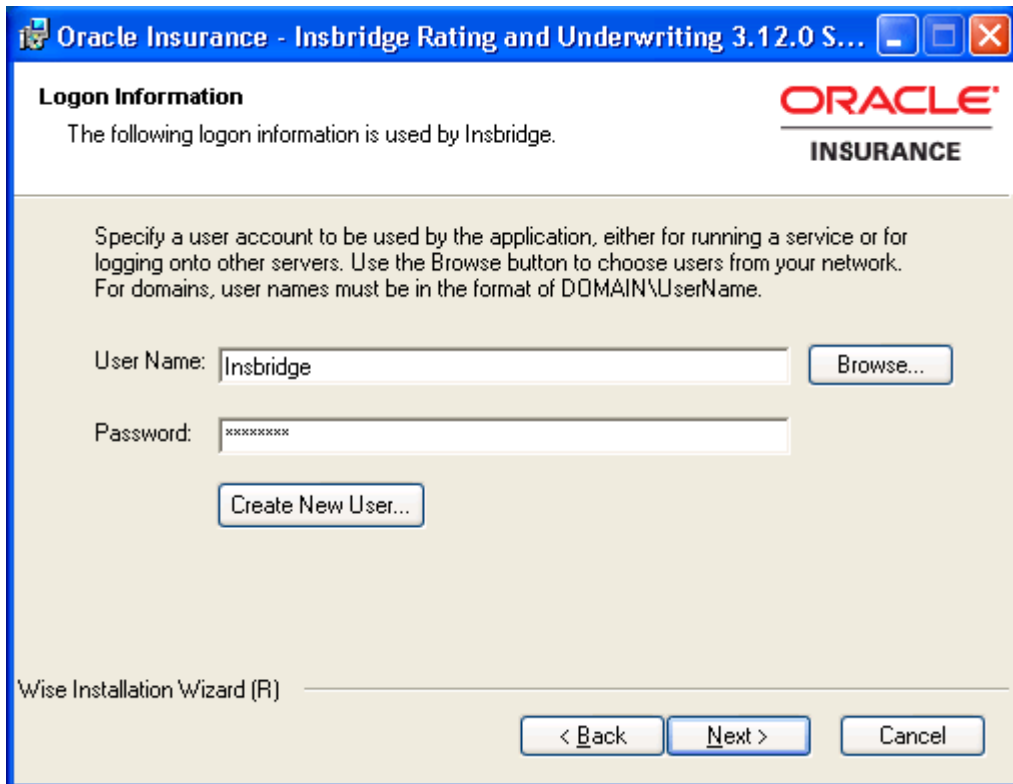


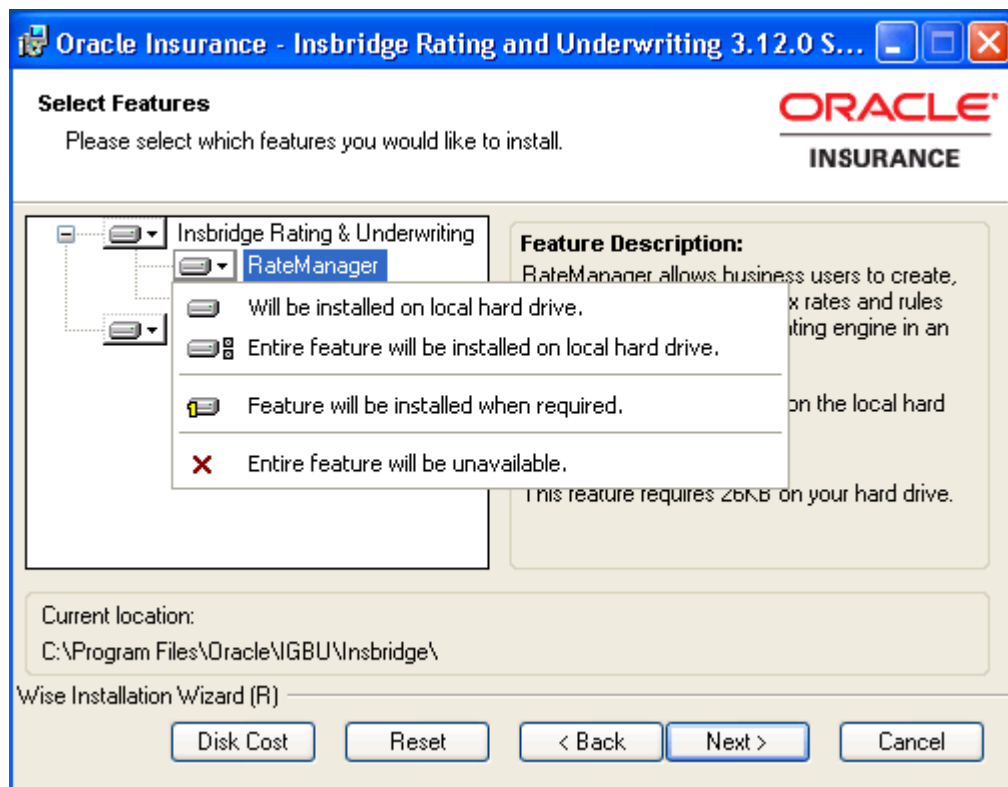
Figure 10 Logon Information

The logon information screen will be displayed. You must specify a user account to be used by the application. Please use the Insbridge user account that you set up earlier.

It is not recommended to Create a New user at this point. Specific permissions must be held by this user. You may not be able to create a new user with those permissions at this point.

3. Enter the **Insbridge user name and password** for the local user account you set up earlier.
4. Click **Next** to continue.

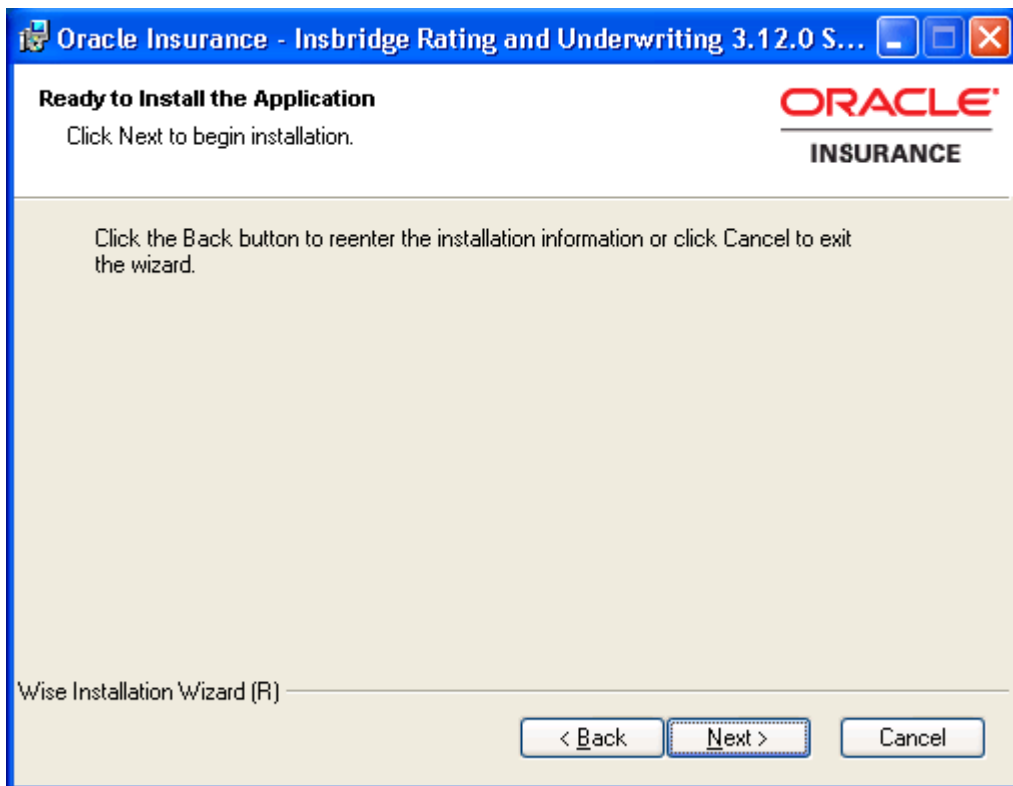
The next screen will list the applications to be installed. To expand the options and view details, click on the downward arrow. All features are checked for installation. RateManager is the only one that you will be allowed to not install.



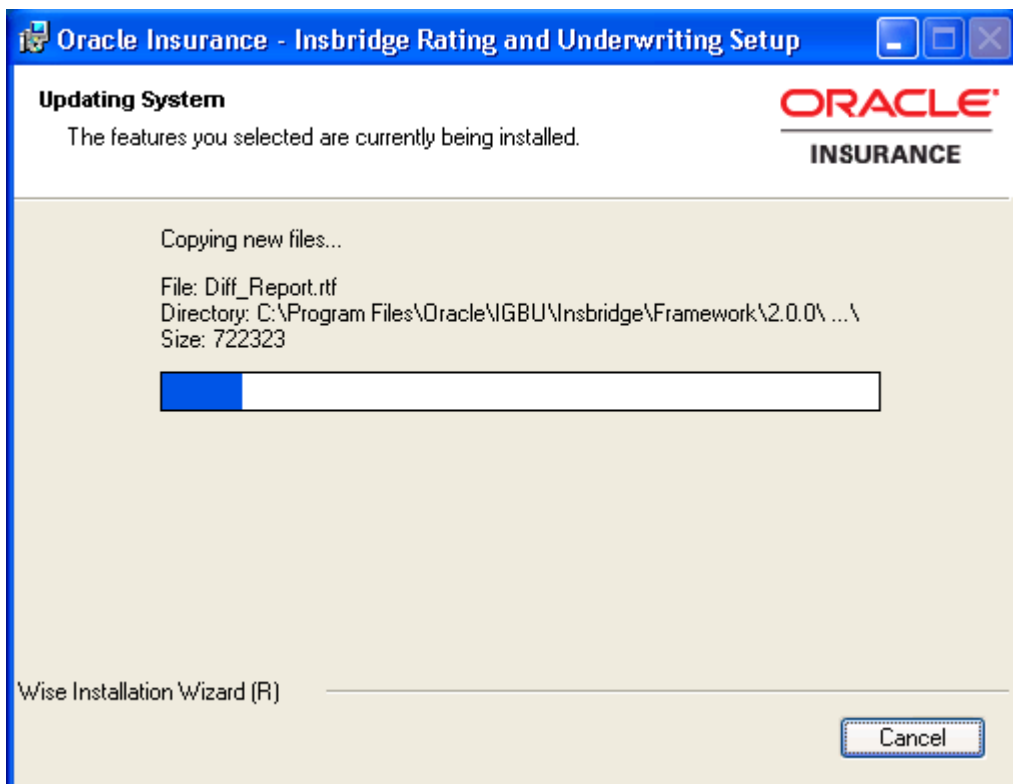
5. Click **Next** to continue.

Options are:

- **Insbridge Rating and Underwriting:**
 - The default option is: Entire feature will be installed on local hard drive.
 - You will not be able to opt out of this selection.
- **RateManager:**
 - The default option is: Entire feature will be installed on local hard drive.
 - You will be able to opt out of this option. Select Entire Feature will be unavailable. RateManager will not be installed. **You do not need to install RateManager when you are installing a SoftRater node only.**
- **IBFA:**
 - The default option is: Entire feature will be installed on local hard drive.
 - You will not be able to opt out of this selection.
- **Oracle BI Publisher:**
 - The default option is: Entire feature will be installed on local hard drive.
 - You will not be able to opt out of this selection.
 - This option does not install the OBI Publisher. Only the templates required by the IBRU application will be installed on local hard drive.



6. A Ready to Install screen will be displayed. If you are ready, click **Next**. Otherwise click Back to check the options you want to install.



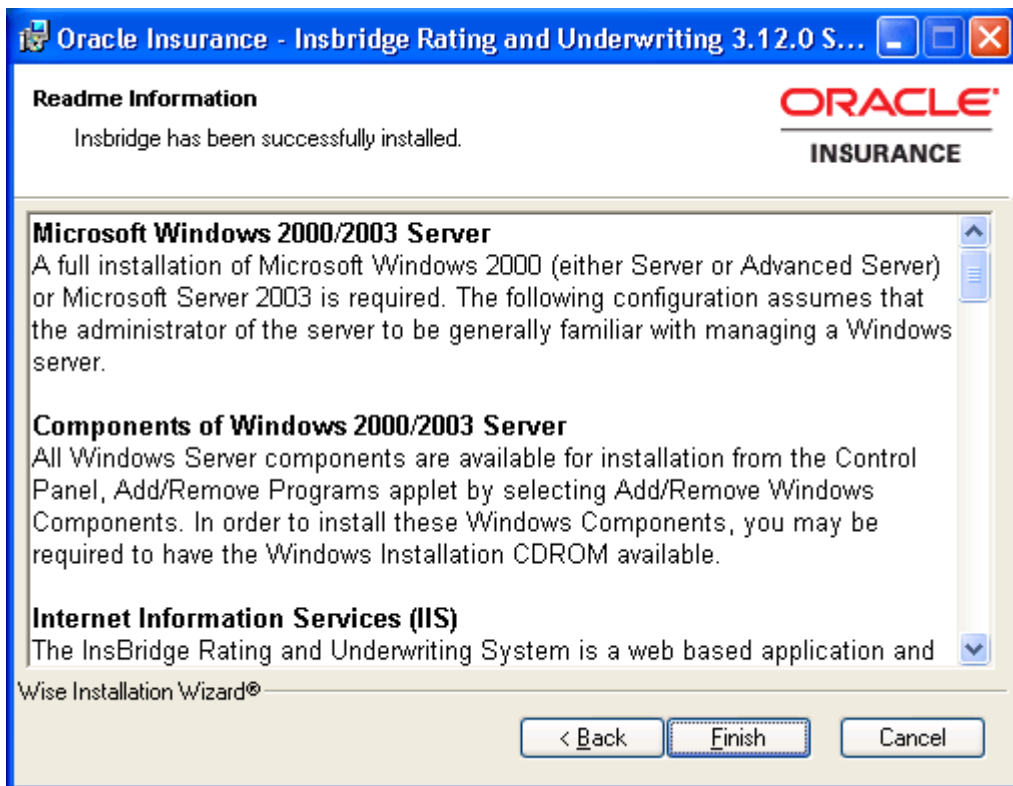


Figure 11 Install ReadMe Screen

7. Click **Finish** to finish the installation. The update should complete successfully.

Configuration of the Insbridge Framework Components

Configure Registry Access for Windows 2000 Server

WARNING

If you use Registry Editor incorrectly, you may cause serious problems that may require you to reinstall your operating system. Insbridge cannot guarantee that you can solve problems that result from using Registry Editor incorrectly.

By default, only administrative and power user accounts have full permissions over this key. The Insbridge user must also be given **full control** over the following registry key:

HKEY_LOCAL_MACHINE/SOFTWARE/Insbridge

You can perform this by:

1. Select Run from the Start Menu.
2. Type **regedt32**. Click OK. The Registry Editor will open.
3. Browse to HKEY_LOCAL_MACHINE. Select SOFTWARE➤Insbridge.

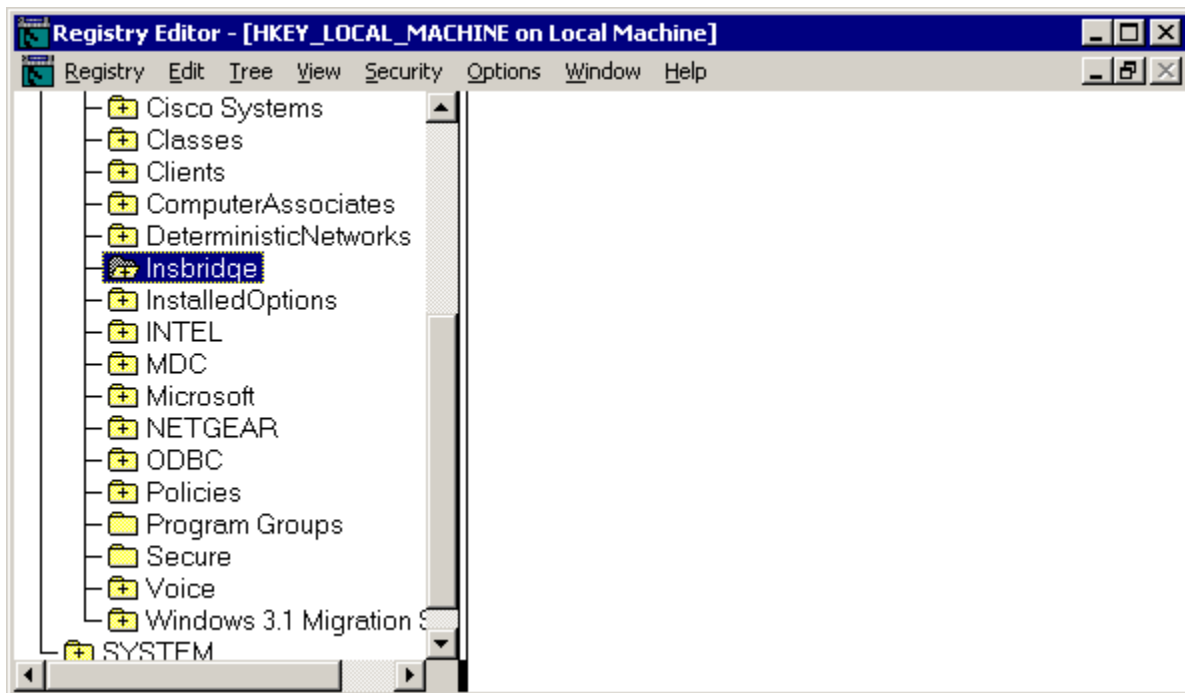


Figure 12 Configure Registry Access Windows 2000 Server

4. Select **Security** from the Registry Editor top bar menu.
5. Select **Permissions**.
6. Click **Add**.
7. On the Select Users or Groups popup, select the directory you need to **Look in**.

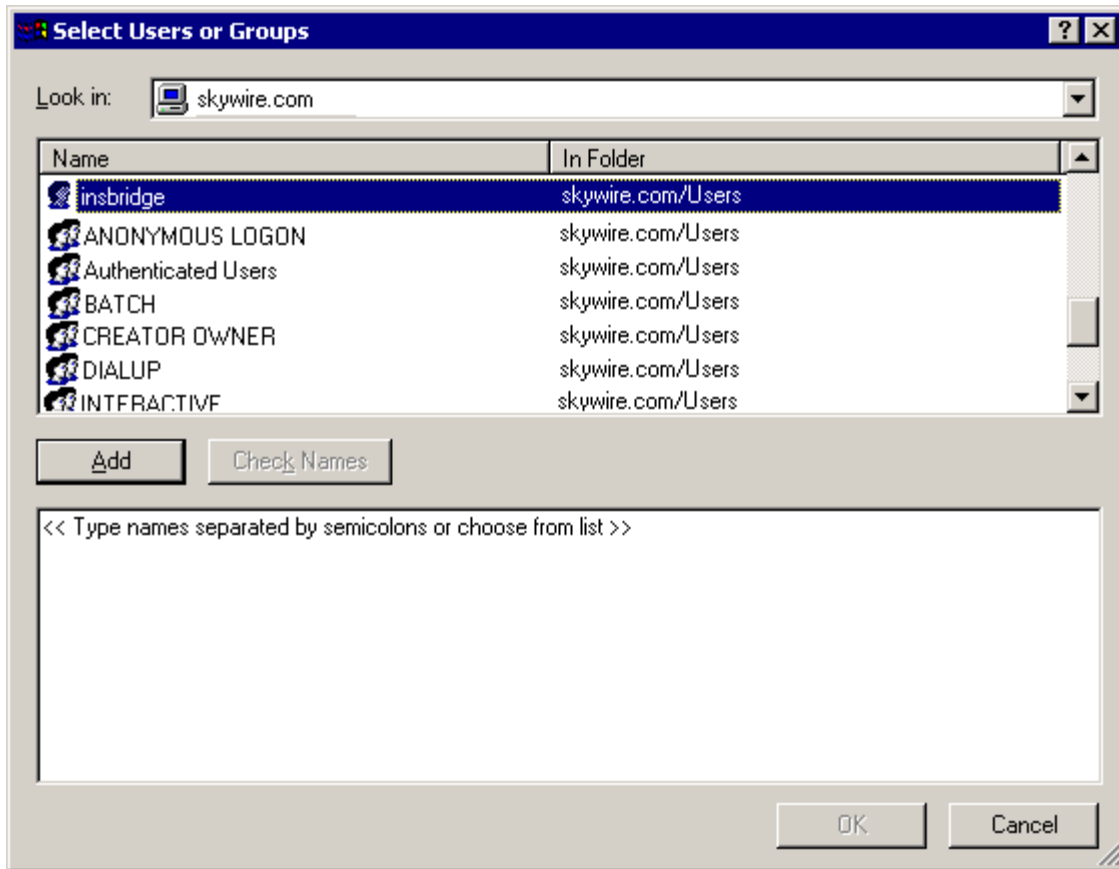


Figure 13 Selecting the insbridge user

8. Scroll until you find the **insbridge** user. Click **Add** and then **OK**.

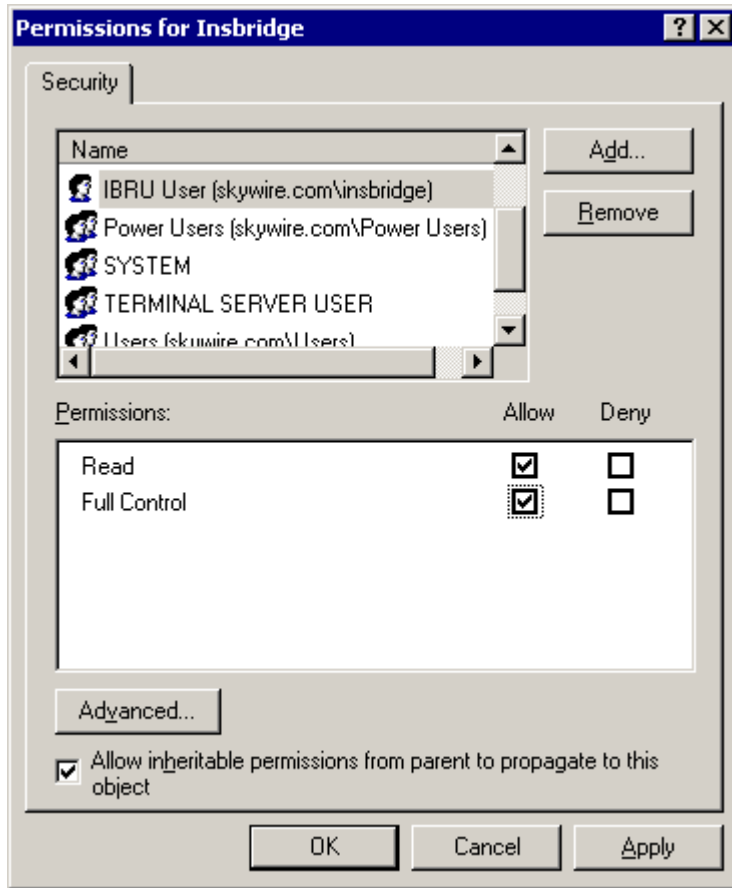


Figure 14 Setting Permissions

9. On the Permissions screen, make sure the insbridge user is highlighted and check to give **Full Control** to the entire Insbridge key.
10. Click **OK**. You can close out the Registry Editor.

Configure Registry Access for Windows Server 2003

WARNING

If you use Registry Editor incorrectly, you may cause serious problems to the operating system. These problems may require you to reinstall your operating system. Insbridge cannot guarantee that you can solve problems that result from using Registry Editor incorrectly.

By default, only administrative and power user accounts have full permissions over this key. The insbridge user must also be given **full control** over the following registry key:

HKEY_LOCAL_MACHINE/SOFTWARE/Insbridge

You can perform this by:

1. Selecting Run from the Start Menu.
2. Type **regedt32**. Click **OK**. The Registry Editor will open.
3. Browse to HKEY_LOCAL_MACHINE. Select SOFTWARE>Insbridge.

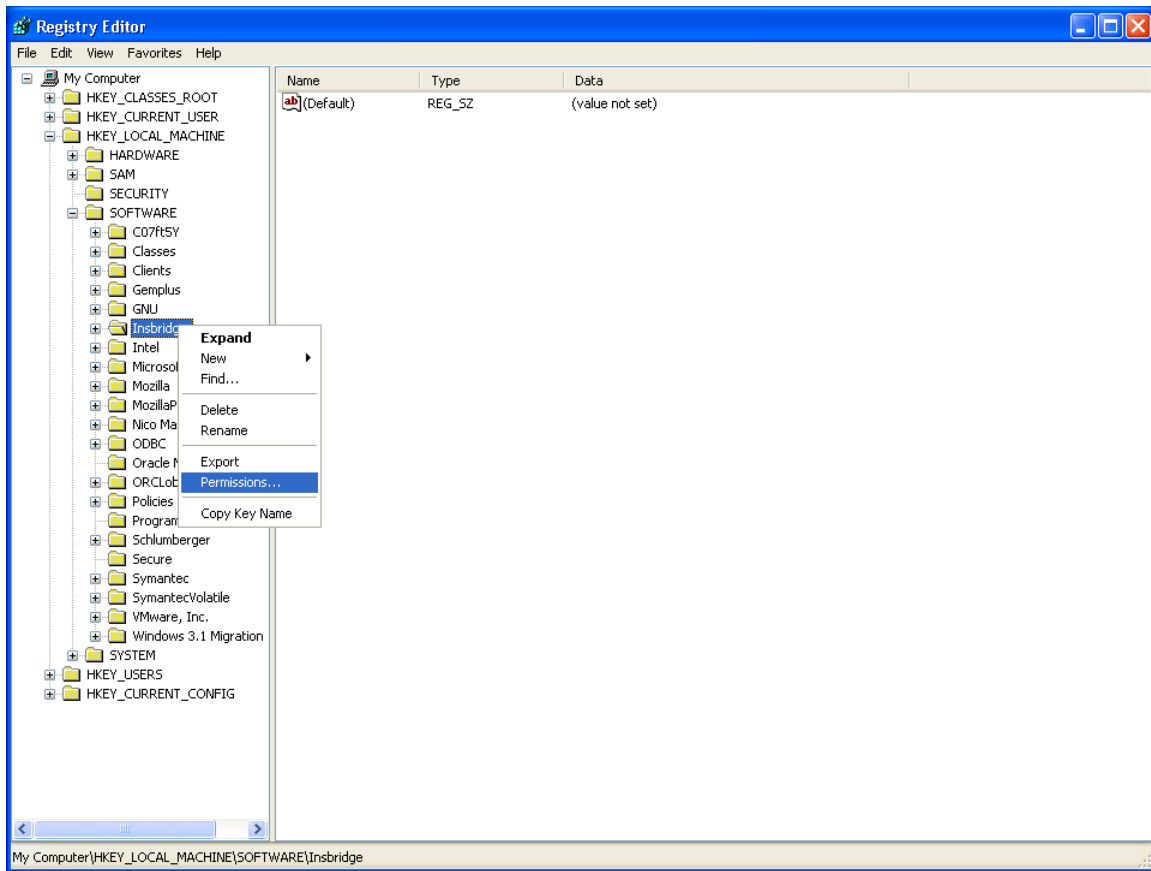


Figure 15 Configure Registry Access Windows Server 2003

4. Right click and select **Permissions**.
5. Click **Add**.
6. On the Select Users or Groups popup, select the **Object Types** and **Locations**.

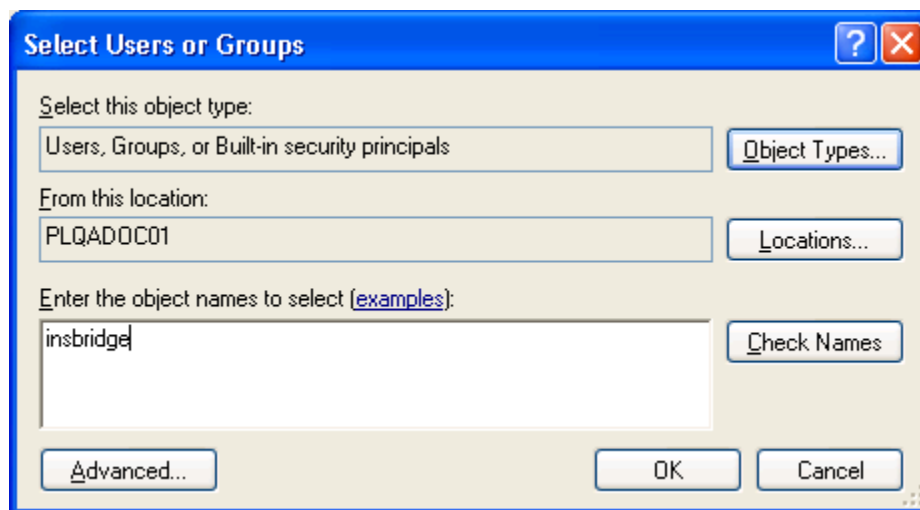


Figure 16 Entering the User

7. Enter in the user name (insbridge) and click **Check Names**. If the user name is found, it will be listed. If the name is not found, an error screen will be displayed. Cancel out and return to the Select Users or Groups popup. Click **Advanced** to search. To search the directory, click Find Now and scroll through the list until you find the user name you need. If the user name is not listed, return to User Accounts and verify the user name was created.
8. Once the name is listed, click **OK**.

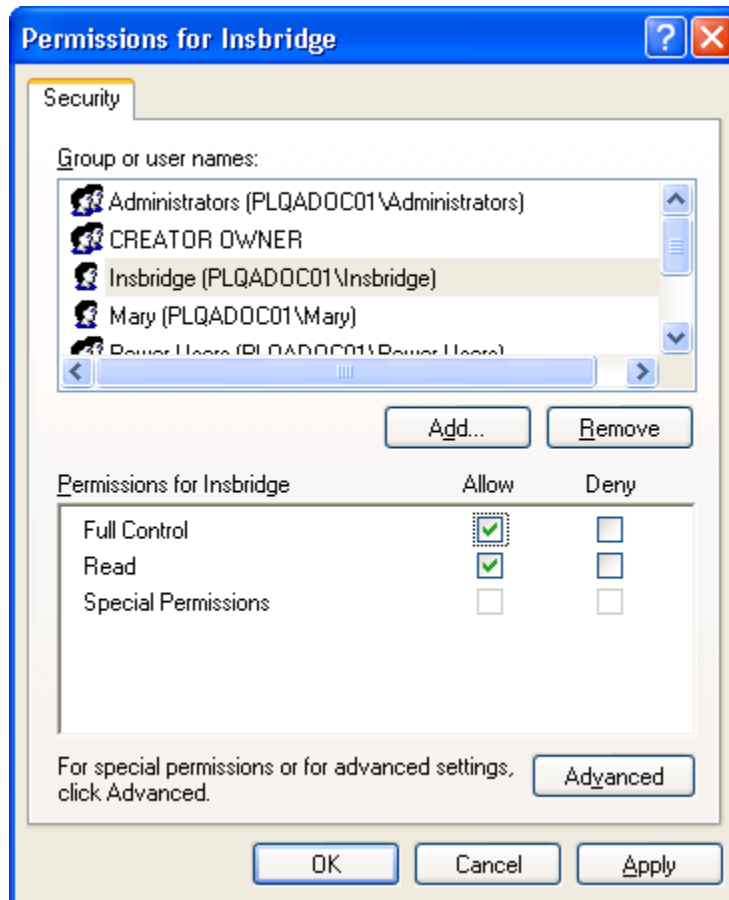


Figure 17 Applying Permissions for 2003 User

9. On the Permissions screen, make sure the insbridge user is highlighted and check to give **Full Control** to the entire Insbridge key.
10. Click **OK**. You can close out the Registry Editor.

Windows Temp Folder for MSMQ

Microsoft .NET requires that the user sending messages using Microsoft Message Queue (MSMQ) have full access to the WINNT\Temp folder (on 2000) or the WINDOWS\Temp folder (on 2003). The insbridge user created on page 18 should be given full permissions.

The basic pathway is the same for both 2000 and 2003. The screens involved are similar to the ones pictured in Configuring Registry Access.

For 2000, this can be performed by going to your system setup drive (most likely the C drive):

1. Open Windows Explorer. Find the WINNT folder, most likely on your C drive.

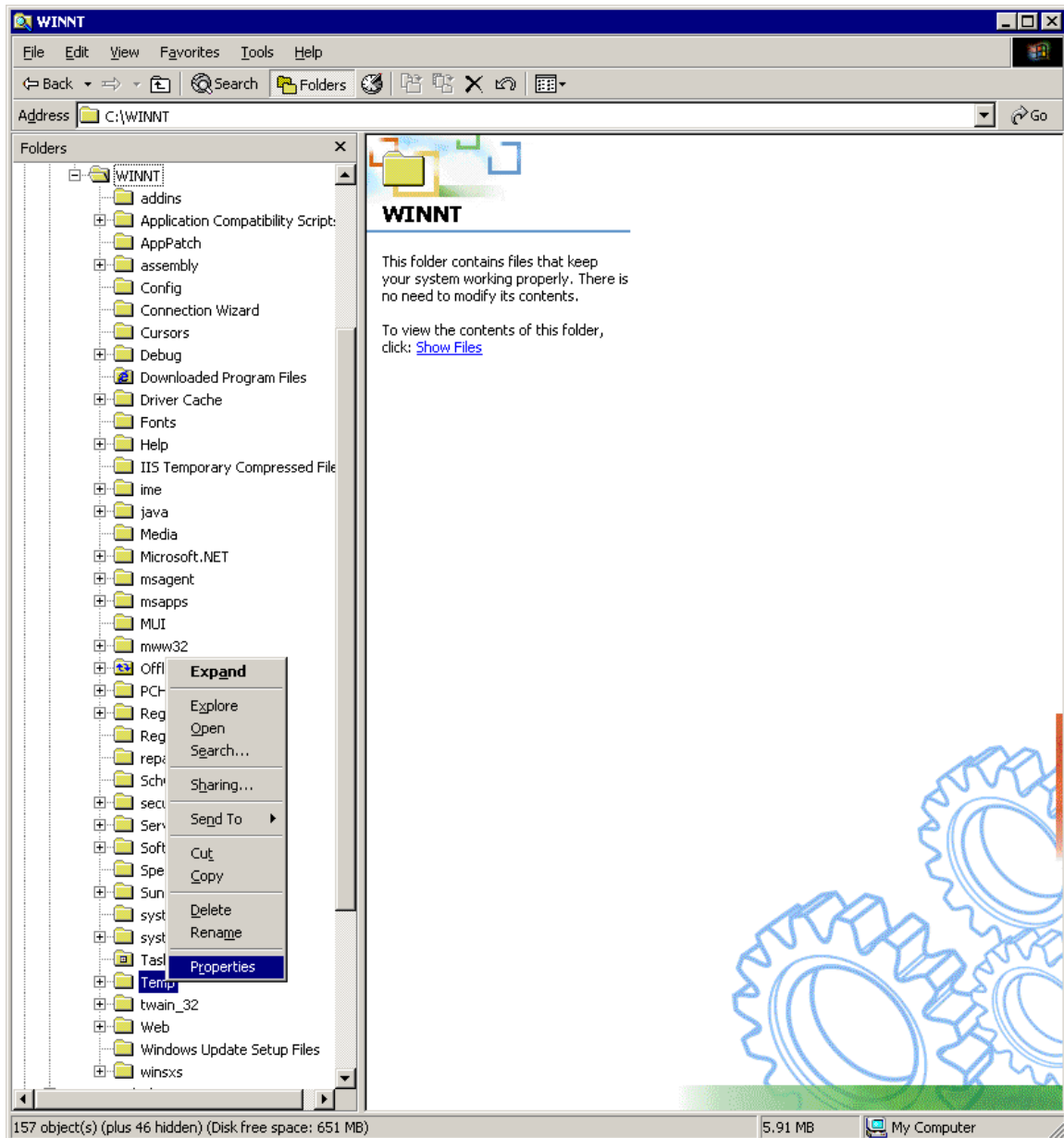


Figure 18 Windows Explorer WINNT 2000 Properties

2. Right click the **WINNT\Temp** folder.
3. Select **Properties**.
4. Change to the **Security** tab.
5. Click **Add**.
6. On the Select Users, Computers or Groups popup, select the directory you need to **Look in**.
7. Scroll until you find the insbridge user. Click **Add** and then **OK**.
8. On the Temp Properties screen, make sure the insbridge user is highlighted and check to give **Full Control**.
9. Click **OK**.

For Windows 2003, the procedure is similar.

1. Open Windows Explorer. Find the WINDOWS folder, most likely on your C drive.
2. Right click the **Windows>Temp** folder.

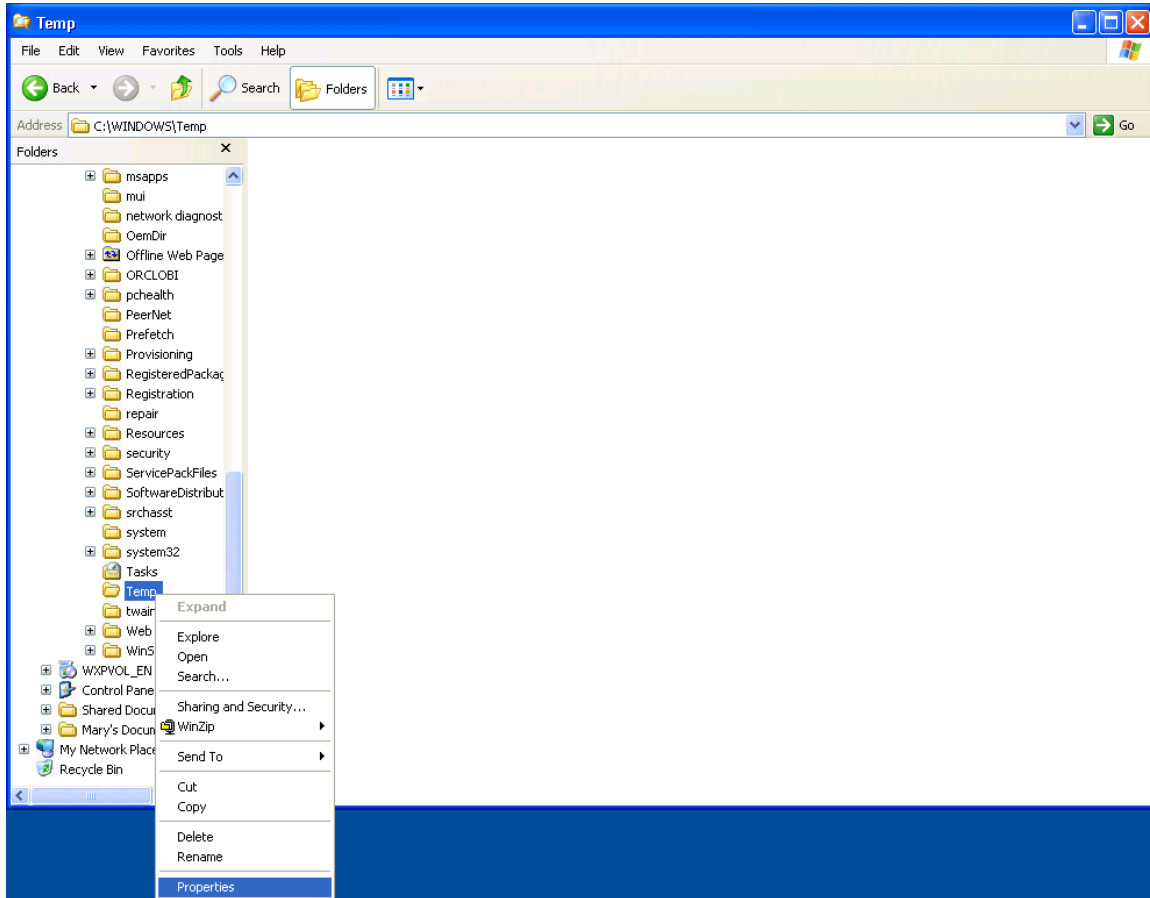


Figure 19 Windows Explorer WINNT 2000 Properties

3. Select **Properties**.
4. Change to the **Security** tab.
5. Click **Add**.
6. On the Select Users or Groups popup, select the **Object Types** and **Locations**.
7. Enter in the user name (insbridge) and click **Check Names**. If the user name is found, it will be listed. If the name is not found, an error screen will be displayed. Cancel out and return to the Select Users or Groups popup. Click **Advanced** to search. To search the directory, click Find Now and scroll through the list until you find the user name you need. If the user name is not listed, return to User Accounts and verify the user name was created.
8. Once the name is listed, click **OK**.
9. On the Temp Properties screen, make sure the insbridge user is highlighted and check to give **Full Control**.
10. Click **OK**.

Permissions for Insbridge Folder Location

Full access also must be given to the Insbridge user created on page 18 to the installation location for the Insbridge folder. This is the location you selected to install the IBFA, most likely C:\Program Files\Oracle\IGBU\Insbridge.

By default administrators are given full permissions to the local server file system. If the Insbridge user was not given Administrative permissions then they must be given full control over the Insbridge folder.

For 2000:

1. Open Windows Explorer. Find the Programs folder. Select the Oracle folder. Select the IGBU folder. Select the Insbridge folder.

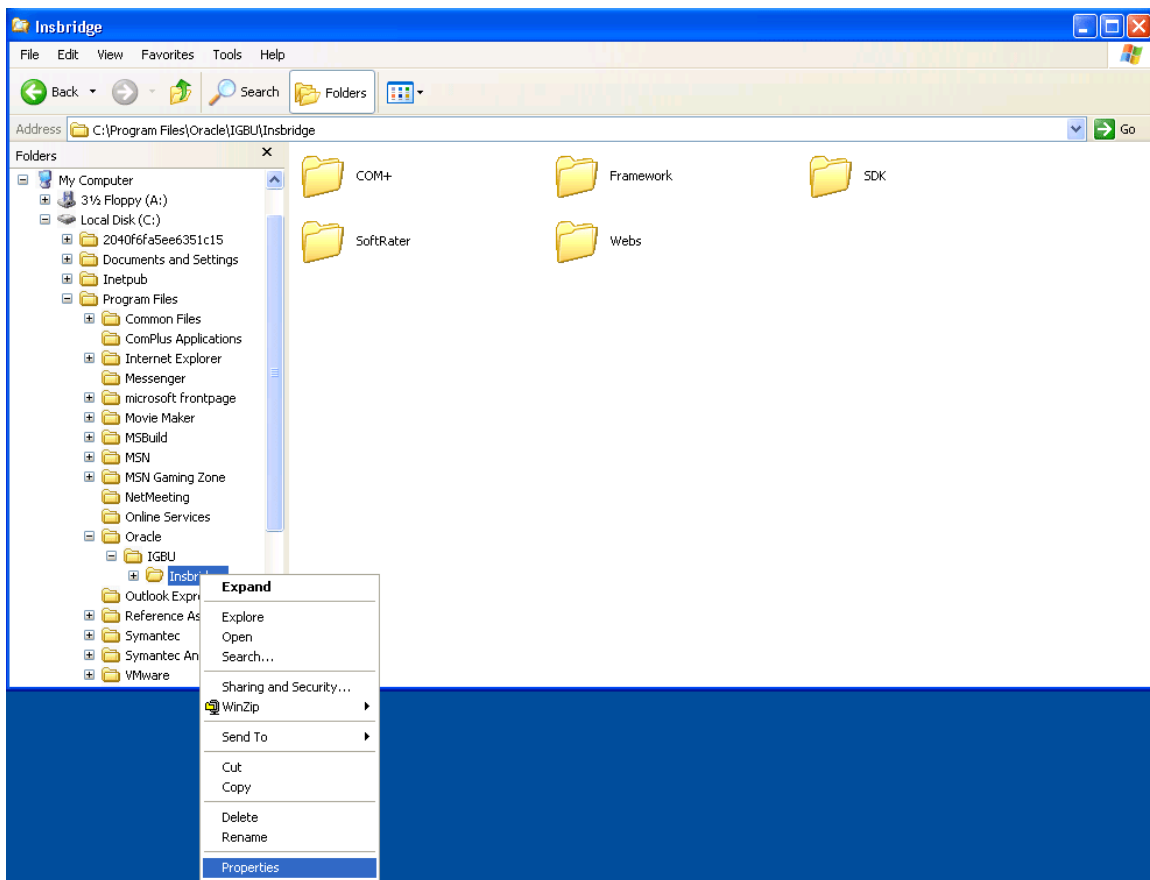


Figure 20 Insbridge Folder Properties

2. Right click the **Insbridge** folder.
3. Select **Properties**.
4. Change to the **Security** tab.
5. Click **Add**.
6. On the Select Users, Computers or Groups popup, select the directory you need to **Look in**.
7. Scroll until you find the insbridge user. Click **Add** and then **OK**.
8. On the Insbridge Properties screen, make sure the insbridge user is highlighted and check to give **Full Control**.

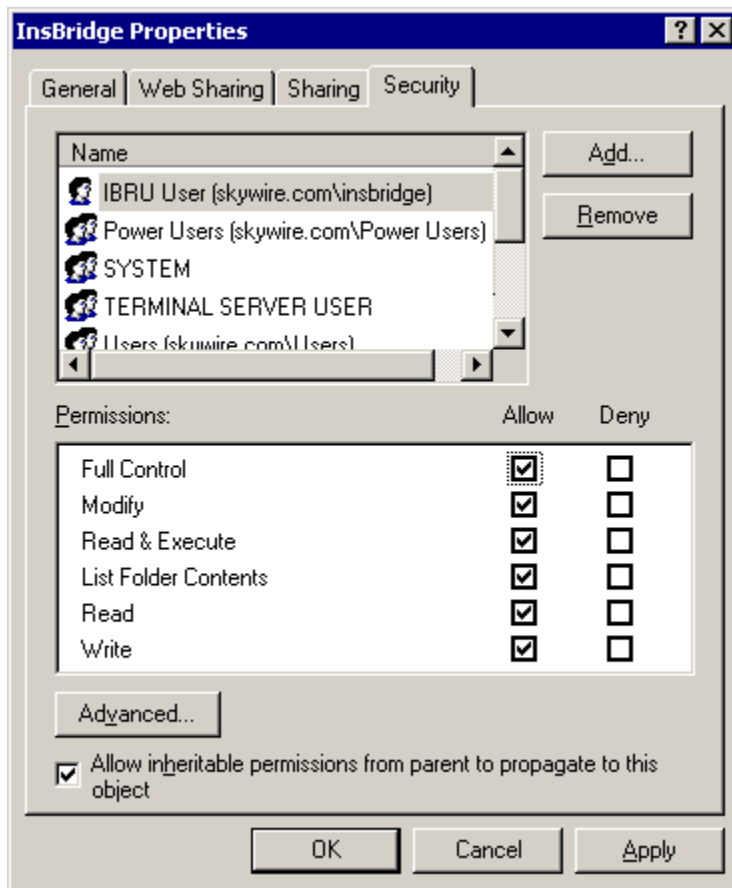


Figure 21 Setting Permission for Insbridge Folder

9. Click **OK**. You can close out Windows Explorer.

For 2003 the procedure is similar:

1. Open Windows Explorer. Find the Programs folder. Select the Insbridge folder.
2. Right click the **Insbridge** folder.
3. Select **Properties**.
4. Change to the **Security** tab.
5. Click **Add**.
6. On the Select Users or Groups popup, select the **Object Types** and **Locations**.
7. Enter in the user name (insbridge) and click **Check Names**. If the user name is found, it will be listed. If the name is not found, and error screen will be displayed. Cancel out and to return to the Select Users or Groups popup. Click **Advanced** to search. To search the directory, click Find Now and scroll through the list until you find the user name you need. If the user name is not listed, return to User Accounts and verify the user name was created.
8. Once the name is listed, click **OK**.
9. On the Insbridge Properties screen, make sure the insbridge user is highlighted and check to give **Full Control**.

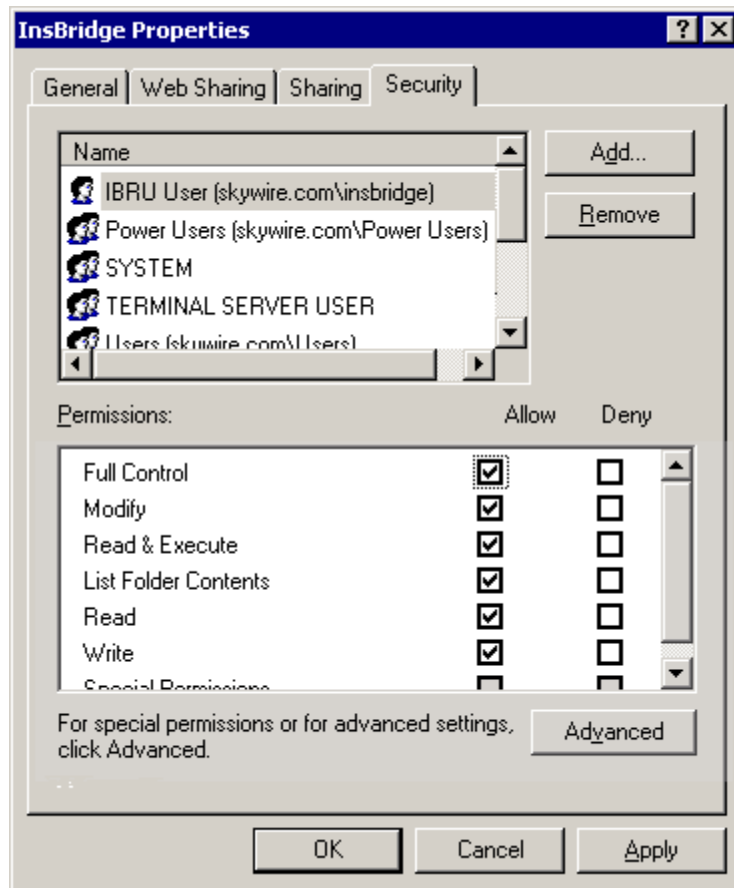


Figure 22 Setting Permission for Insbridge Folder

10. Click **OK**. You can close out Windows Explorer.

IBRU Database Creation and Installation in SQL Server

IMPORTANT

It is strongly recommended that any database modification be performed by a qualified database administrator (DBA). The database setup procedures and tasks require the skill set of a database administrator. If you are not a database administrator, please stop. Improper setup may result in unwelcome changes to the database. Please consult with a qualified database administrator before proceeding.

Before attaching the databases:

1. **Create a SQL Server account** called ibru with a password that meets your company standards.
2. **Framework Administrator templates.** The database template file IBSR_TEMPLATE.mdf is used to update the SoftRater database. This file must be run in SQL Server when the installation is complete. This file is not version specific and is the only update file for SoftRater, even if you are going from a version lower than 3.11.
3. **RateManager templates.** The database template files IB_CLIENT_TEMPLATE.mdf and IBRM_TEMPLATE.mdf are used to update the RateManager database. These files are version specific and must be run sequentially when the installation is complete. The database update scripts in the RateManager folder will take you from a 3.11 version to a 3.12 version only.

NOTE

If you need to go from a lesser version, such as 3.9, you will have to enter RateManager and run the IBRM and IB_CLIENT update scripts in sequential order from there. You must be a DB Owner to run the update scripts in RateManager.

You also can save the scripts from RateManager and run them in SQL Server. Be sure to run the scripts in sequential order.

See Manual Updates to the IBRU Databases for more information.

Databases and User Required for Each Installation Type

The table below shows which databases and database users are required for each type of installation.

	Installation Type	
	RateManager	SoftRater
Database		
IB_CLIENT	Yes	Yes
IBRM_xxxx	Yes	No
IBSR	No	Yes

If performing just a SoftRater node installation, you do not have to retrieve IBRM_TEMPLATE.mdf.

For SQL Server 2000

Because many corporate environments have a separation between the system administrator and the database administrator, the following process may require both administrators' access and permissions. Make sure you have a SQL Server account called **ibru**.

NOTE

If you do not have database permissions, you will not be able to perform the following database procedures.

If you are unsure how to perform a database restore, please consult with your database administrator.

1. **Copy files.** The **IBRM_TEMPLATE** is located in the Databases>Sql Server>RateManager folder and the **IB_CLIENT_TEMPLATE** database file is located in the Databases>Sql Server>Security folder. The **IBSR_TEMPLATE** file is located in the Databases>Sql Server>SoftRater folder. Copy all three files to an appropriate database folder on the machine where SQL Server is installed. For example, [Drive]:\Program Files\Insbridge\Databases. If you are unsure of a location, please contact your database administrator.

NOTE

If performing just a SoftRater 3.12 installation then the only databases needed are the IB_CLIENT_TEMPLATE and IBSR_TEMPLATE.

2. **Rename files.** It is not required but it is strongly suggested that the database file names be changed from TEMPLATE to something that defines the databases more accurately. At a minimum, it is recommended that you remove "_TEMPLATE" from the name. You can change the names after they have been attached also.
3. **Open the SQL Server Enterprise Manager** either on the server or remotely using either an administrative account with sa privileges or as the sa account.
4. **Browse** under the DBServer to the Databases.

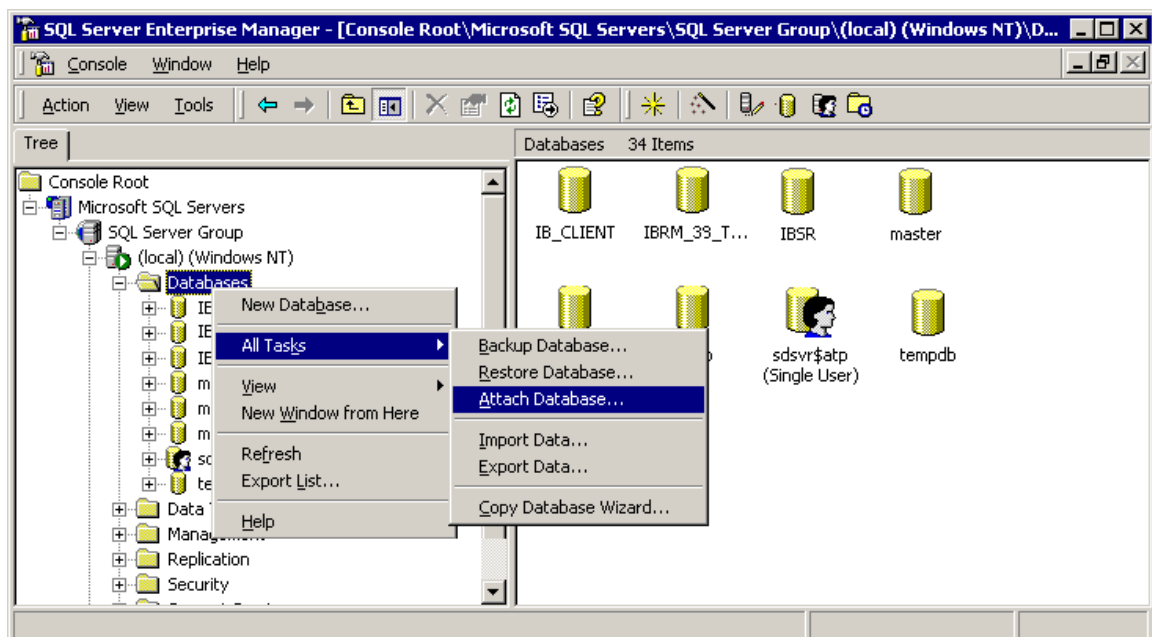


Figure 23 Setting up a SQL Server 2000 Database

5. Right click on **Databases**.
6. Select **All Tasks**.
7. Select **Attach Database...** A separate screen will be displayed.

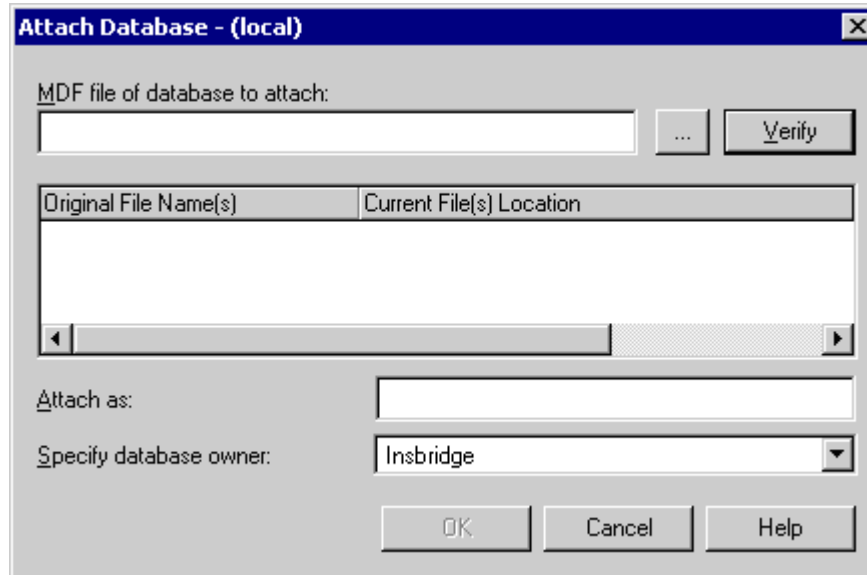



Figure 24 Attaching a Database

8. Click the search button  and browse to the location where the database files were placed in step 1.
9. Attach database **IB_CLIENT_XXXX.MDF**, where **XXXX** equals the renamed file from step 2.

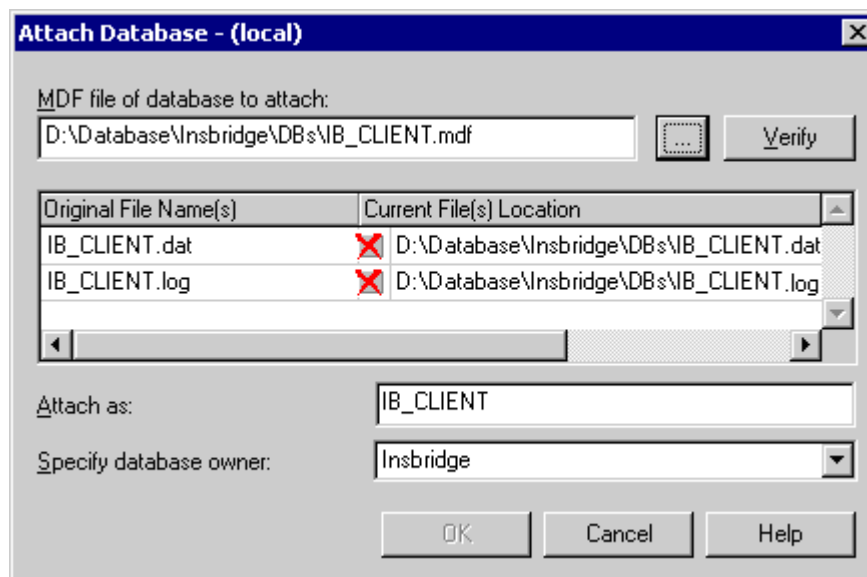


Figure 25 IB_CLIENT_XXXX Attached

10. **Delete the log file.** The log file must be deleted to prevent an error. For SQL Server 2000, erase the Current File Location for the log file.
11. If necessary, **rename the IB_CLIENT_ xxxx.dat** file to **IB_CLIENT_ xxxx.mdf**.
12. Change the **Attach as:** file name to the file name you assigned in step 2.

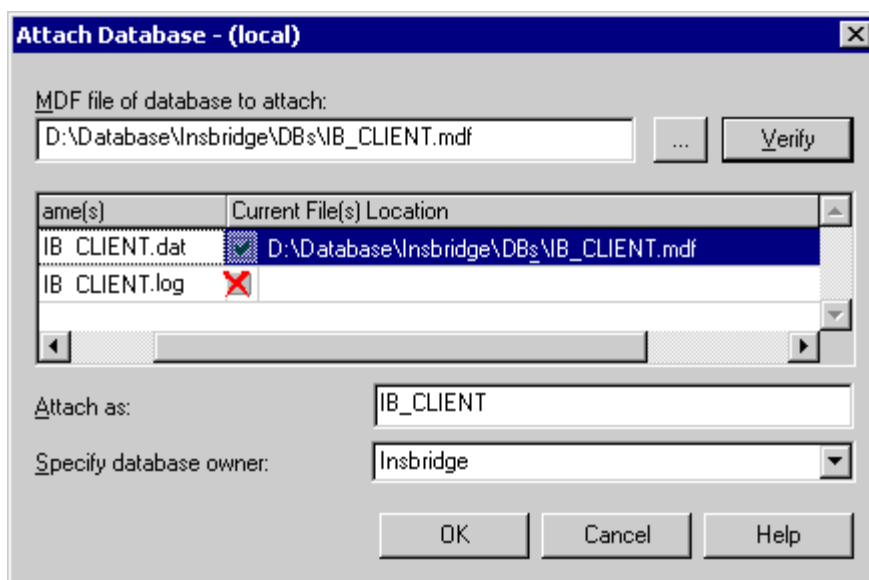
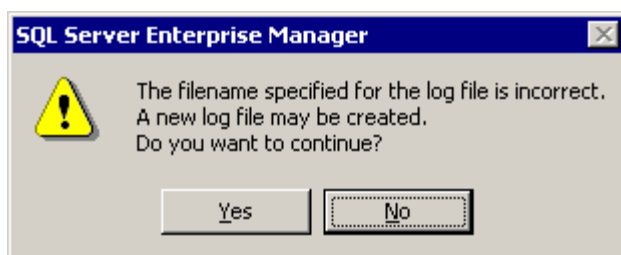
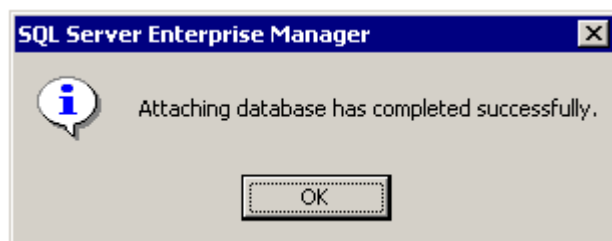


Figure 26 Editing the Database before Attaching

13. After you have made your edits, click **OK**.
14. The system will create a new log file for this data base, click Yes.



15. If the database was attached successfully, a success message will be displayed. If not, please correct any errors and try again.



Do the same for the IBRM_ xxxx and IBSR databases depending on your installation type.

Once the databases are attached to SQL Server, you will need to create or assign a SQL Server user account for the application. This user will be used for the connection to the databases when setting up the connections from the Insbridge Framework Administrator.

If backups are to be allowed from the RateManager application (see page 36 for more details), then the ibru SQL server user account must have the **Disk Administrators SQL Server role**.

For ease of administration, the database user should have **db_owner** permissions on the IBRM_XXXX , IB_CLIENT, and IBSR database. See page 76 for further details on tightening user permissions.

For SQL Server 2005

Because many corporate environments have a separation between the system administrator and the database administrator, the following process may require both administrators' access and permissions. Make sure you have a SQL Server account called **ibru**.

NOTE

If you do not have database permissions, you will not be able to perform the following database procedures.

If you are unsure how to perform a database restore, please consult with your database administrator.

1. **Copy files.** The **IBRM_TEMPLATE** is located in the Databases>Sql Server>RateManager folder and the **IB_CLIENT_TEMPLATE** database file is located in the Databases>Sql Server>Security folder. The **IBSR_TEMPLATE** file is located in the Databases>Sql Server>SoftRater folder. Copy all three files to an appropriate database folder on the machine where SQL Server is installed. For example, [Drive]:\Program Files\Insbridge\Databases. If you are unsure of a location, please contact your database administrator.

NOTE

If performing just a SoftRater 3.12 installation then the only databases needed are the IB_CLIENT_TEMPLATE and IBSR_TEMPLATE.

2. **Rename files.** It is not required but it is strongly suggested that the database file names be changed from TEMPLATE to something that defines the databases more accurately. At a minimum, it is recommended that you remove “_TEMPLATE” from the name. You can change the names after they have been attached also.
3. **Open the SQL Server Management Studio** either on the server or remotely using either an administrative account with sa privileges or as the sa account.

NOTE

If you do not have SQL Server Management Studio, check to see that the SQL Server Client has been installed. For a SQL Server 2005 install, you must have the SQL Server Client installed.

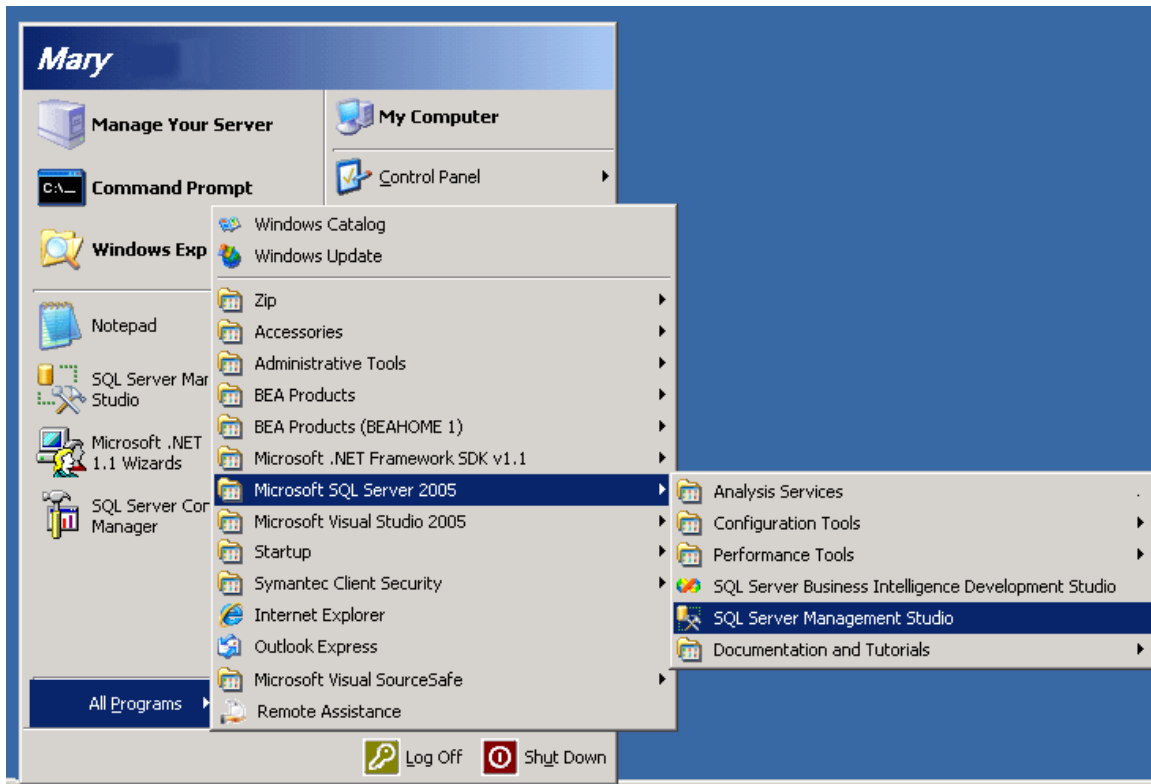


Figure 27 Attaching a Database to SQL Server 2005

4. Go to **Databases**.

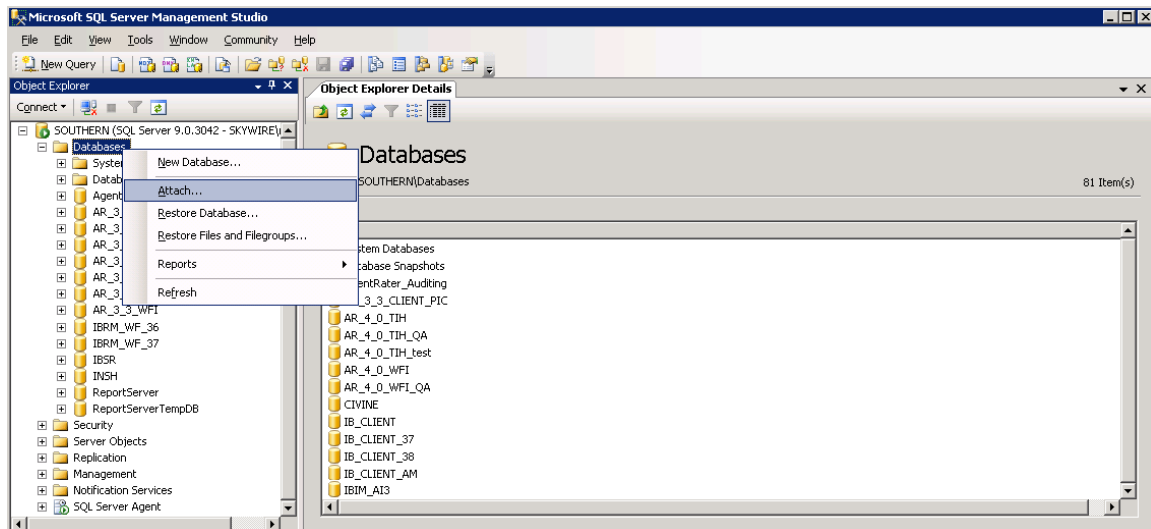


Figure 28 Right Click to Attach Database

5. Right click on **Databases**.
6. Select **Attach...** A separate screen will be displayed.

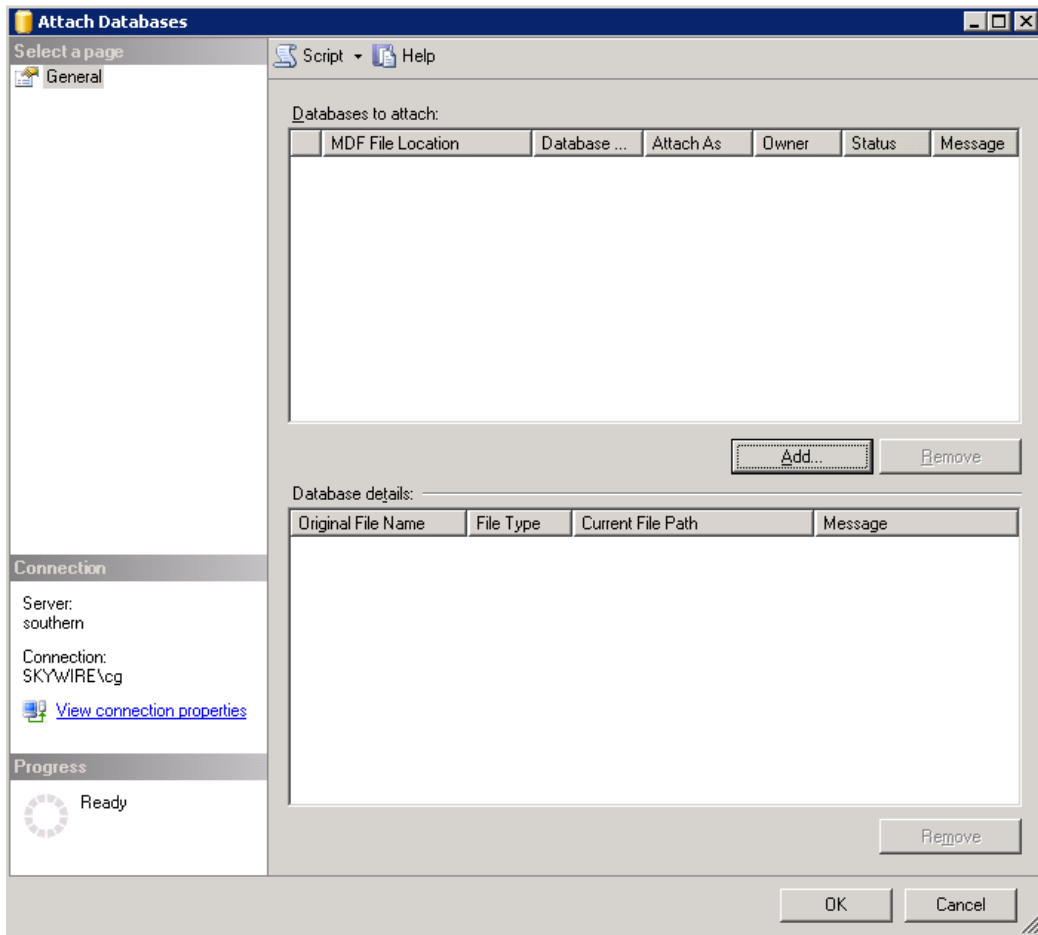


Figure 29 Attaching a Database

7. Click the **Add** button and browse to the location where the database files were placed in step 1.
8. Attach database **IB_CLIENT_ xxxx.MDF**, where **xxxx** equals the renamed file from step 2.

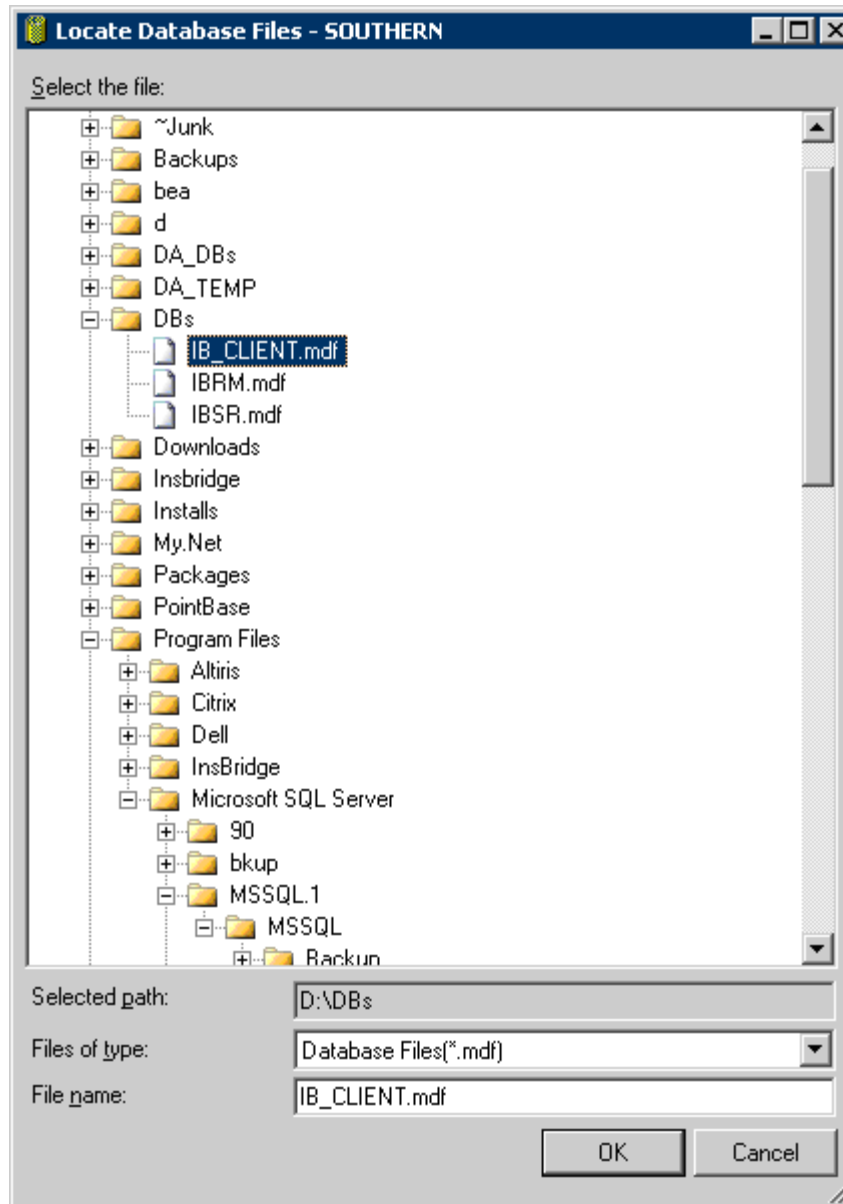


Figure 30 IB_CLIENT_xxxx Attached

9. Click **OK**.

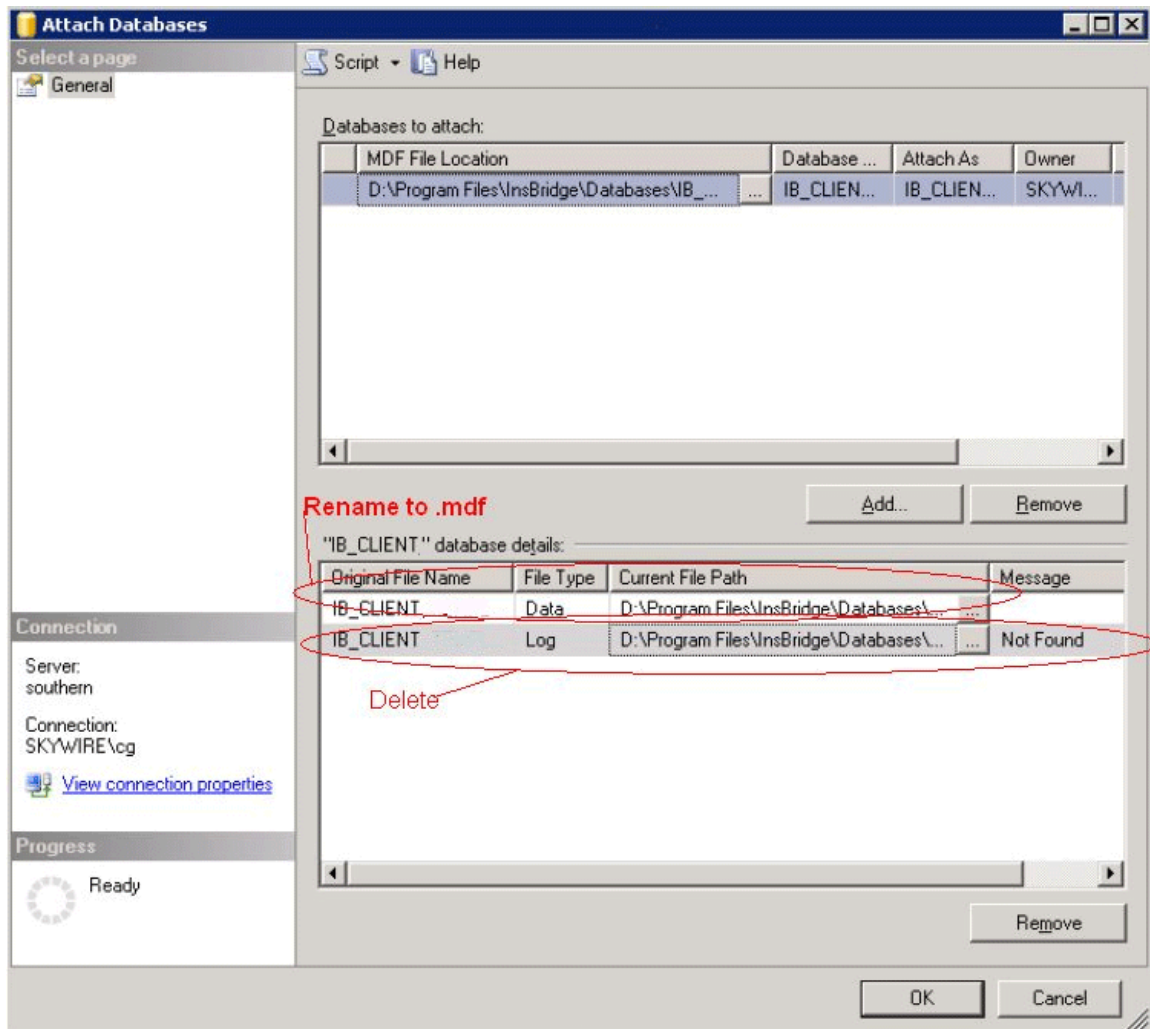


Figure 31 Editing the Database before Attaching

10. **Delete the log file.** The log file must be deleted to prevent an error. For SQL Server 2005, highlight the log file in the Current File Path area and click the **Remove** button.
11. Make sure the original file name has an **.mdf** extension and not a **.dat** extension. If the file is **IB_CLIENT_ xxxx.mdf** and not **IB_CLIENT_ xxxx.dat**, the file has the wrong extension and you will have to rename it.
12. Make sure the current file path of **IB_CLIENT_ xxxx.mdf**, where **xxxx** equals the renamed file from step 2, is pointing to the correct location. If it is not, you will have to change it.
13. Change the **Attach as:** file name to the file name you assigned in step 2.
14. After you have made your edits, click **OK**.
15. If the database was attached successfully, it will be displayed in the database folder. If not, please correct any errors and try again.

Do the same for the IBRM_xxxx and IBSR databases depending on your installation type. Once the databases are attached to the SQL Server, you will need to create or assign a SQL Server user account for the application. This user will be used for the connection to the databases when setting up the connections from the Insbridge Framework Administrator.

If backups are to be allowed from the RateManager application (see page 36 for more details), then the ibru SQL server user account must have the **Disk Administrators SQL Server role**.

For ease of administration, the database user should have **db_owner** permissions on the IBRM_xxxx , IB_CLIENT, and IBSR database. See page 76 for further details on tightening user permissions.

SoftRater Database Creation and Installation in Oracle

Oracle database files are packaged in the install. The file is located in the Databases➤Oracle➤SoftRater folder. The file name is usp_IBSSR_v03.12.0.oracle.

Please see **Oracle Database Setup and Update Instructions** for further instructions.

IMPORTANT

It is strongly recommended that any database modification be performed by a qualified database administrator (DBA). The database setup procedures and tasks require the skill set of a database administrator. If you are not a database administrator, please stop. Improper setup may result in unwelcome changes to the database. Please consult with a qualified database administrator before proceeding.

Configuring Insbridge Framework Administrator

Open an Internet Explorer web browser either remotely on the local IBRU web server and browse to the following location, replacing SERVERNAME with the actual server name:

<http://SERVERNAME/ibfa/>

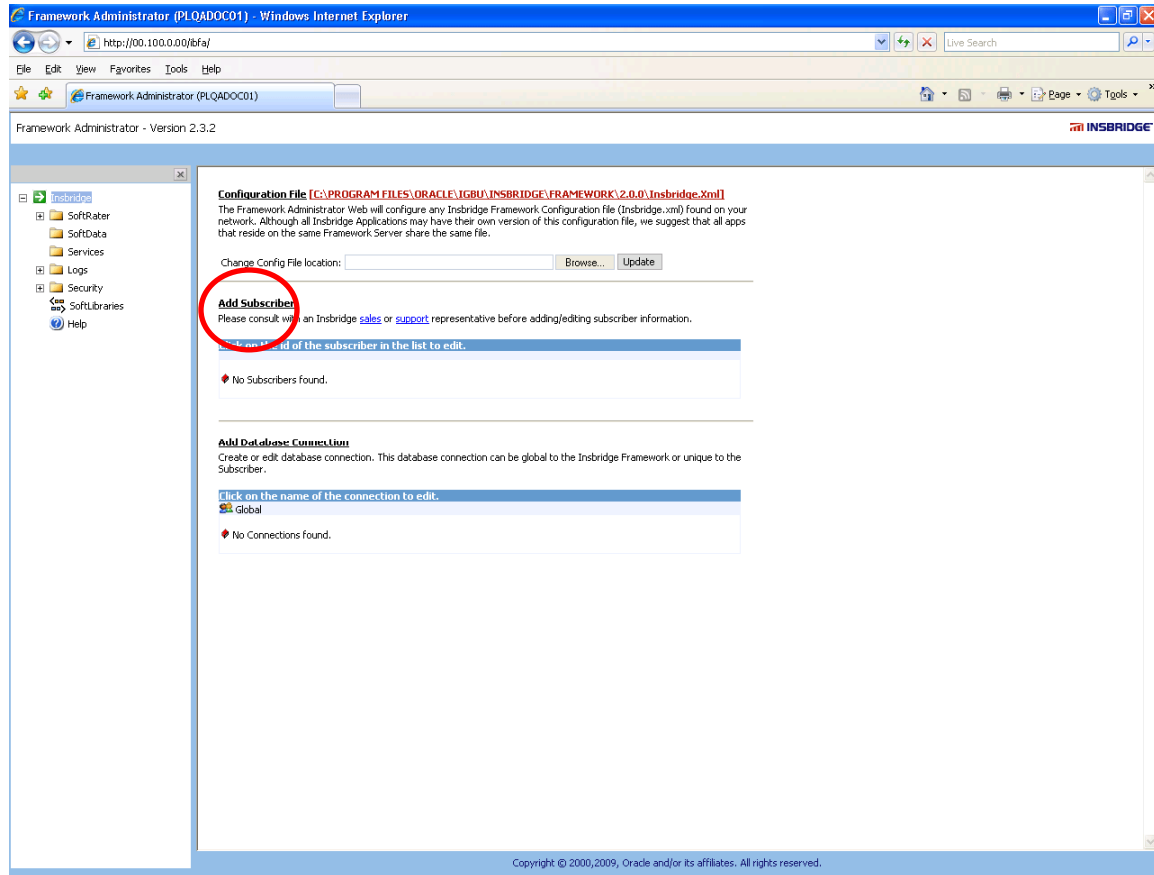


Figure 32 IBFA Home

NOTE

Please refer to the IBFA guide for managing and editing IBFA components.

1. Click on **Add Subscriber** and in the next dialog.

The Type, ID and Name information for the new subscriber is chosen by you. The Type, ID and Name are fixed after the first time you save. These entries cannot be edited. Only the description can be edited.

NOTE

If you have more than one instance of IBFA, it is strongly suggested that you create the identical Subscriber, Type, ID and Name in every instance.

The Subscriber ID can be a 3 or 4 digit number and must be unique for each subscriber per instance of IBFA. For example, if you have an instance of IBFA on machine A, you can create a subscriber with an ID of 100. On machine A, if you create another subscriber, you must give that subscriber a different ID number, say 200. If you also have an instance of IBFA on a different machine, B for example, you should duplicate the same subscribers with the same ID numbers on machine B.

If you require assistance or are unsure of what action to take, please log a Service Request using My Oracle Support at <http://metalink.oracle.com>.

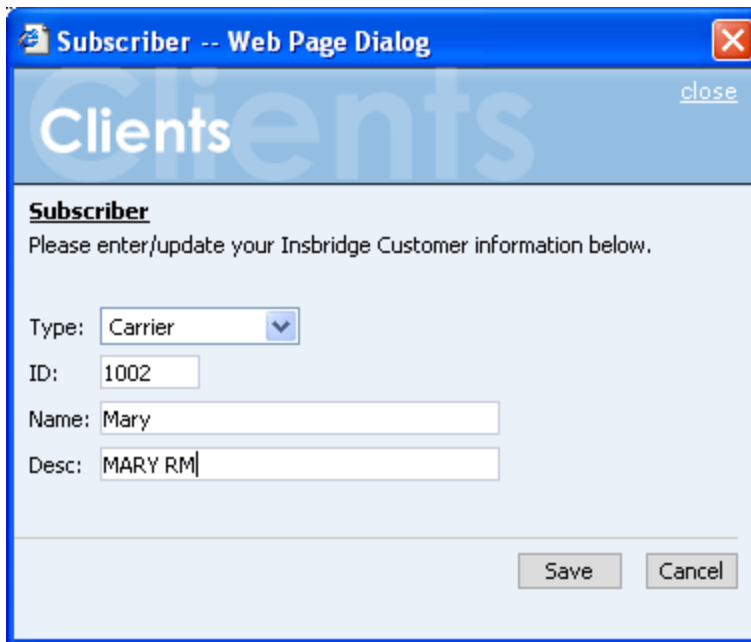


Figure 33 Enter ID

Next select the **Add Database Connection** link. The three databases must be added to IBFA:

- Subscriber: **Global** with Name: **controller**
- Subscriber: **(Your Subscriber Name)** with Name: **security**
- Subscriber: **(Your Subscriber Name)** with Name: **RM**
- If you are using a SQL Server **SoftRater** database, you can add and configure the SoftRater database through IBFA. If you are using another database platform, Oracle for example, you will need to configure the SoftRater database there.

The setups are similar for all three databases. The description information following the first example will be the same for the other two databases.

In the next popup dialog, fill out connection information for the IB_CLIENT database using the Global subscriber.

NOTE

If you have renamed the databases, please make note of the new names.

Connection -- Webpage Dialog

Databases

Connection

Database connections can be global to the Insbridge Framework or unique to the Subscriber.

Subscriber: Global

Name: controller

Server: LOCALHOST **Test Connection...**

Server Type: SQLServer

Catalog: IB_CLIENT_MARY

Catalog Type: Other

Query Buffer:

Tablespace:

Schema:

User: sa

Password:

Save **Cancel**

Figure 34 Setting up the Global Database Connection

Select Global for the Subscriber. The IB_CLIENT database is a global database and is not unique to the subscriber. This information cannot be changed once you have saved it.

The Database **Name** cannot be changed once you have saved it.

The **Server** is the database server name or IP address which ever is resolvable by the IBRU web server. You also can test the connection and make sure it is valid at the time of entry.

The **DB Server Type** is the type of server that houses the database. Currently, RateManager and SoftRater support SQL Server, Oracle and DB2.

The **Catalog** is the name of the catalog in the database. For DB2 servers, this is the System DSN Name.

The **Catalog Type** is the type of catalog in the database. The types available are: RateManager, SoftRater and Other. If you are using a SQL Server, you can choose either RateManager or SoftRater. If you are using an Oracle or DB2 database, you will need to choose Other and enter the remaining information.

Tablespace and Schema are not required for this connection. The User is the SQL Server user (ibru) assigned as database owner on page **Error! Bookmark not defined.**, if needed.

Add the next database. Select the **Add Database Connection** link again.

In the next popup dialog, fill out connection information for the IB_CLIENT database using your subscriber ID. Name this one security.

The screenshot shows a web-based dialog box titled "Connection -- Webpage Dialog" with a close button in the top right corner. The main heading is "Databases" with a "close" link. Below this is a section titled "Connection" with the text: "Database connections can be global to the Insbridge Framework or unique to the Subscriber." The form contains the following fields and controls:

- Subscriber:** A dropdown menu with "MaryRM" selected.
- Name:** A text input field containing "security".
- Server:** A text input field containing "LOCALHOST". To its right is a "Test Connection..." button.
- Server Type:** A dropdown menu with "SQLServer" selected.
- Catalog:** A text input field containing "IB_CLIENT_MARY".
- Catalog Type:** A dropdown menu with "Other" selected.
- Query Buffer:** An empty text input field.
- Tablespace:** An empty text input field.
- Schema:** An empty text input field.
- User:** A text input field containing "sa".
- Password:** A text input field with masked characters (dots).

At the bottom right of the dialog are "Save" and "Cancel" buttons.

Figure 35 Setting up the Security Database Connection

If performing just a SoftRater node installation, then this next step can be skipped.

Create a connection for RateManager using your subscriber id. Name this one rm.

NOTE

The **Catalog Type** must be set to **RateManager** when you are creating the Connection from RateManager. If you leave it set to Other, you will receive an error.

The screenshot shows a Windows-style dialog box titled "Connection -- Webpage Dialog" with a close button in the top right corner. The main content area has a blue header with the word "Databases" in large white letters. Below the header, the section is titled "Connection" and includes a descriptive sentence: "Database connections can be global to the Insbridge Framework or unique to the Subscriber." The form contains several input fields and a button:

- Subscriber:** A dropdown menu with "MaryRM" selected.
- Name:** A text field containing "rm".
- Server:** A text field containing "LOCALHOST". To its right is a "Test Connection..." button.
- Server Type:** A dropdown menu with "SQLServer" selected.
- Catalog:** A text field containing "IBRM_MARY".
- Catalog Type:** A dropdown menu with "RateManager" selected.
- Query Buffer:** An empty text field.
- Tablespace:** An empty text field.
- Schema:** An empty text field.
- User:** A text field containing "sa".
- Password:** A text field with ten dots representing a masked password.

At the bottom right of the dialog are "Save" and "Cancel" buttons.

Figure 36 Setting up the RateManager Database Connection

Next, create a default rating environment for the RateManager system.

Browse to **SoftRater>Explorer>Subscriber name**.

NOTE

This default environment is not required if performing a SoftRater node installation. Other environments will still need to be created to load SRPs to the IBSR databases. More details are provided in the online help on how to set up your SoftRater environments.

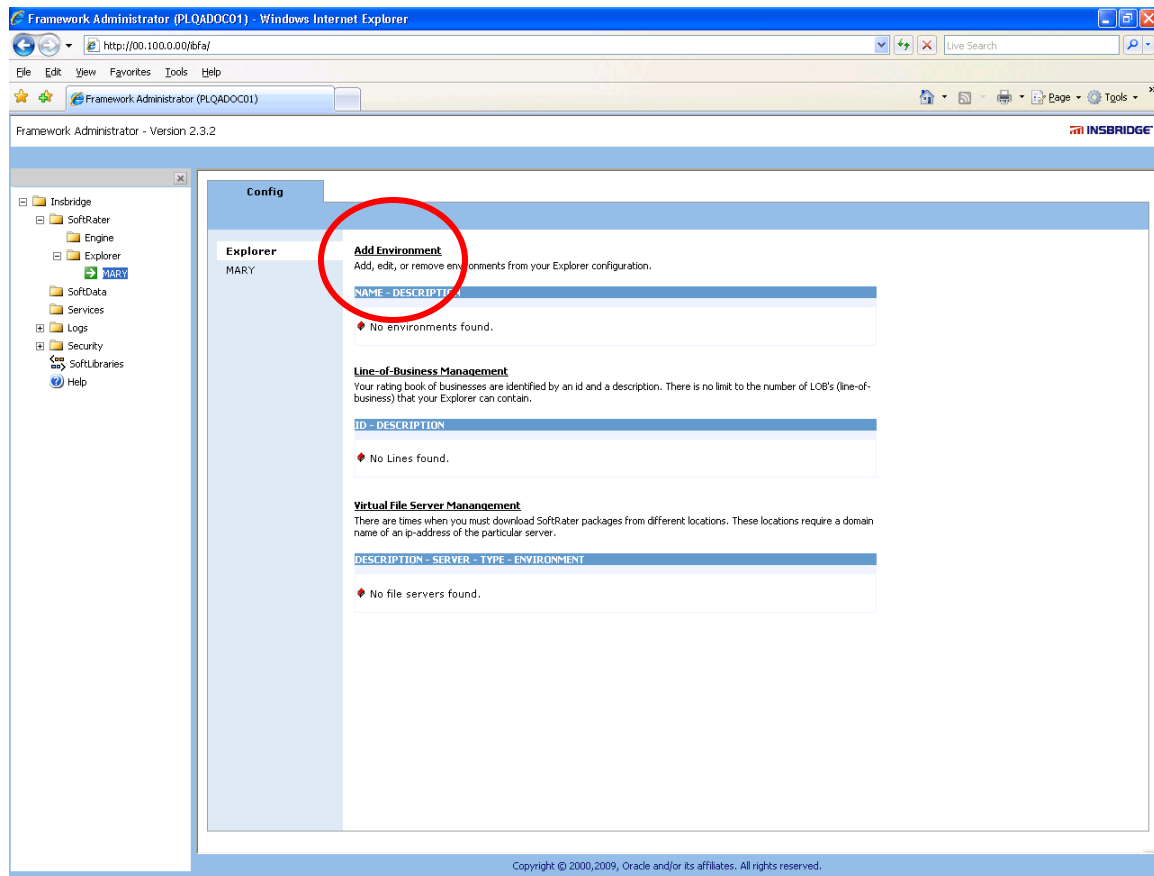


Figure 37 Create a Rating Environment

Click on **Add Environment**.

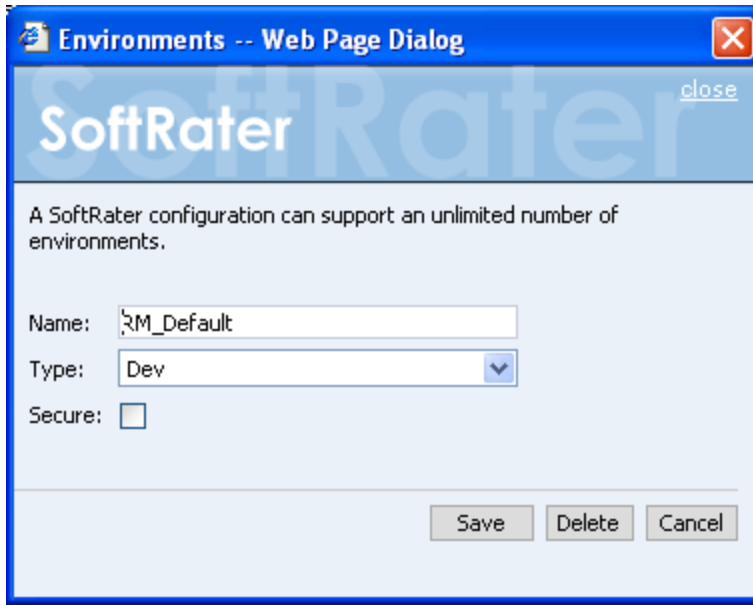


Figure 38 Entering Name and Environment

The name and type are totally dependent on how your particular environment is designed.

There are three types of Environments:

- **Development**
- **Quality Assurance**
- **Production**

After you have entered your environment, you must define it.

Defining the Environment

Select your company name underneath Config on the left hand side to see the configuration for the new environment created.

Framework Administrator - Version 2.3.2

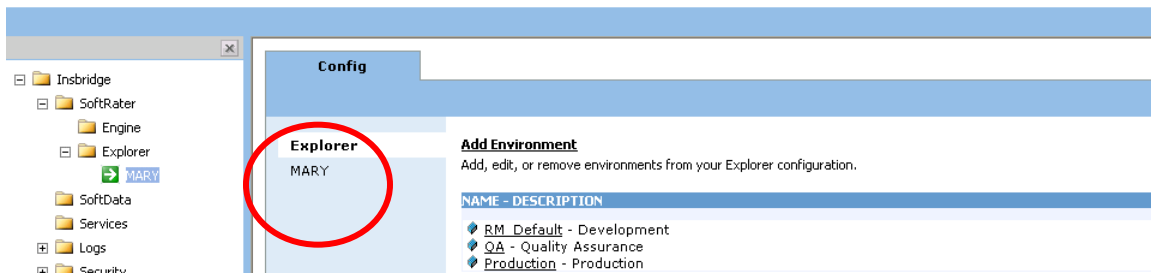


Figure 39 Obtaining Environment Information

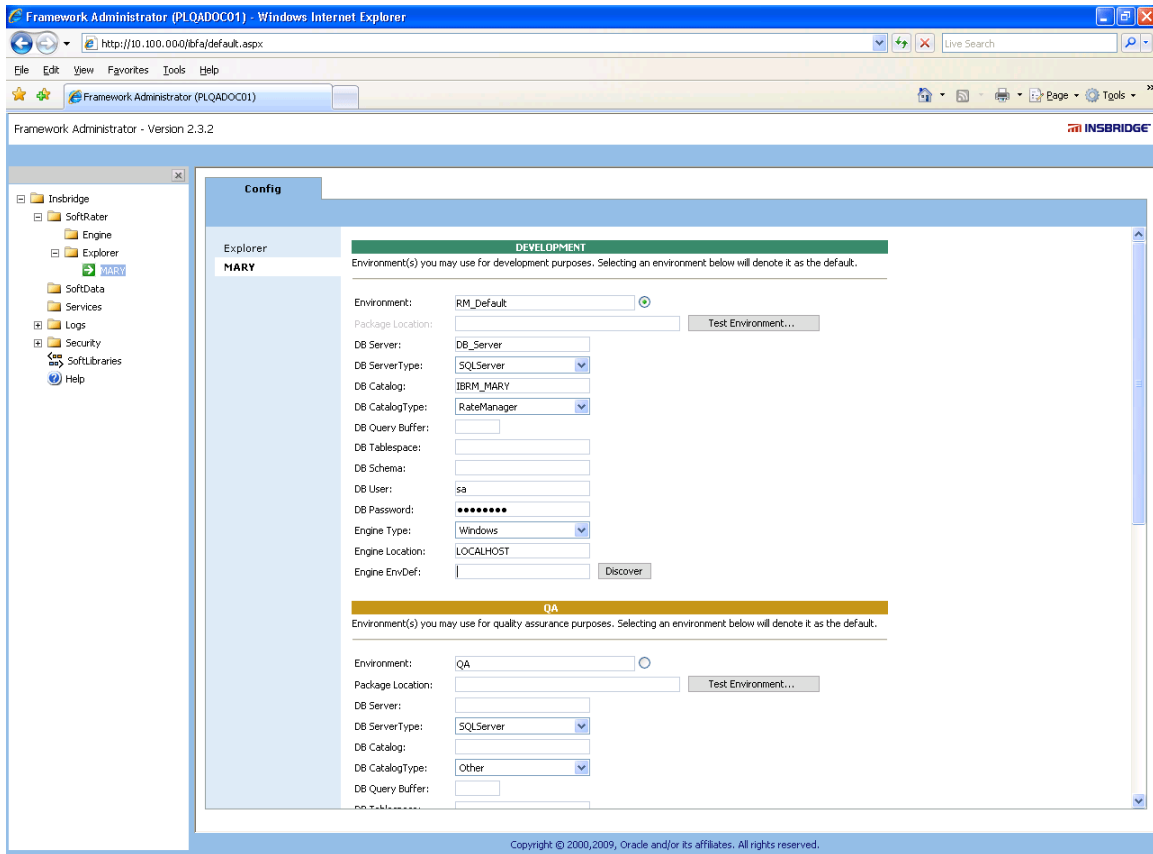


Figure 40 Editing Environment

Enter in the DB_SERVER name with the real name of the SQL Server where the IBRM database resides.

Only the information shown above is required for this connection; Environment, DB Server, DB Server Type, DB Catalog, DB Catalog Type, DB User, DB Password, Engine Type and Engine Location. The Package Location, DB Query Buffer, DB Tablespace, DB Schema, and Engine EnvDef can remain blank or filled out as needed. The user account should be the database owner (ibru).

For each environment, you can set up the following information:

Environment: The name of the environment. Selecting the radio button next to an environment's name will set it up as the default environment.

Package Location: Physical location of where the packages should be stored. Click **Options...** to run a process to validate the permissions on the directory and certify any packages in the directory. In order for the Framework Administrator to successfully manipulate packages in the location, it must have full control of the directory.

DB Server: The name of the server that houses the database that packages will be loaded to.

DB Server Type: The type of server that houses the database. Currently, RateManager and SoftRater support SQL Server, Oracle and DB2.

DB Catalog: The name of the catalog in the database.

DB Catalog Type: The type of catalog in the database. The types available are: RateManager, SoftRater and Other. If you are using a SQL Server, you can choose either RateManager or SoftRater.

***DB Query Buffer:** For certain Database Management Systems (DBMS), system batch query optimization is required for performance and/or because of limits on/in the system. This value will control the maximum number of batch query operations that can be submitted to the target DBMS in any one transaction. It is known that for certain DB2 platform versions a value of 31 is required because of a hard software limit.

***DB Tablespace:** The name of the table space in the database.

***DB Schema:** The name of the schema that defines the structure of the database.

DB User: Username to access the database.

DB Password: Password to access the database.

Engine Type: The type of SoftRater engine that is used. The available options are: SoftRater for Windows, SoftRater for WebSphere, SoftRater for WebLogic, or SoftRater for JBoss.

Engine Location: The location of the SoftRater engine. If the engine is local to the Framework Administrator (i.e. located on the same server), leave this field as LOCALHOST. If the engine is located on a different server, enter the name in the box.

Engine EnvDef: This field should remain blank, unless the engine is located on a different server. If the **Engine Location** is set to LOCALHOST, leave this field blank. If the **Engine Location** is not LOCALHOST, this should match the name of the environment on the remote server.

NOTE

If you are using an Oracle or DB2 server, the options and requirement will be different. Please see the Insbridge IBFA User Manual (Located in the User Guides directory) for more information.

Updating the Component Services

Next, you will need to update the component services.

1. Click **Start>Programs>Administrative Tools>Component Services**.
2. Expand the **Component Services** option under console Root.
3. Expand **Computers>My Computer>COM+ Applications**.
4. Expand each Insbridge **COM+ library** to make sure there are components listed underneath each compartment.

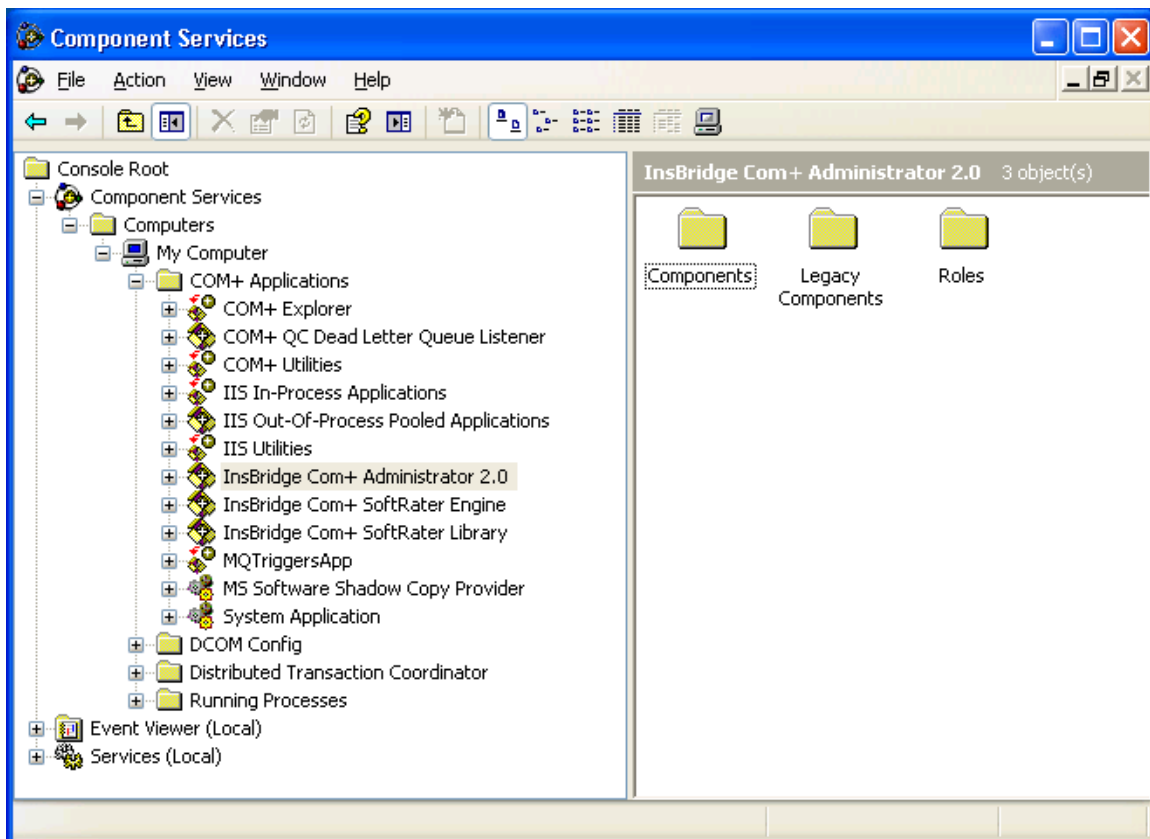


Figure 41 Component Services

There should be 3 Insbridge Com+ Applications libraries:

- Insbridge Com+ Administrator 2.0
- Insbridge Com+ SoftRater Engine
- Insbridge Com+ SoftRater Library

Please note that you will not have to make any changes to any COM+ Application library. The installation will automatically apply the Insbridge user name and password that you created earlier to the necessary libraries. If you change the password, you will have to change the password in all three of the Insbridge Com+ libraries. On each library, right click, select Properties, select the Identity tab, enter in the new password.

NOTE

If any COM+ library is missing, run the IBRU install again from the msi file and choose uninstall. Then rerun the IBFA install. Uncheck the RateManager Install. Then check again to see if all the libraries are listed. If they are still not listed, please log a Service Request using My Oracle Support at <http://metalink.oracle.com>.

Export Insbridge Registry Key for Backup

If performing just a SoftRater node installation, this step can be skipped.

The Insbridge registry key located in HKEY_LOCAL_MACHINE>SOFTWARE>Insbridge is used to store all information for proper encryption of the SoftRater Packages (SRPs). This registry key should be exported using **regedit** to a text file and stored in a safe location off the server and/or sent to Insbridge in the event of a catastrophic server failure and the IBRU system needs to be reinstalled.

Export and Import Subscriber Registry Key for SoftRater Node Installation

If performing a SoftRater Node installation, then the encryption stored in the registry key on the server where the RateManager application resides will need to be exported and then imported on the SoftRater Node.

1. On the server where RateManager is installed, open regedit, then navigate to the HKEY_LOCAL_MACHINE>SOFTWARE>Insbridge>Subscribers>SUBSCRIBER_NAME where SUBSCRIBER_NAME equals the name as entered on page 36 and given to you by Insbridge.
2. Select the Registry menu option and select export.

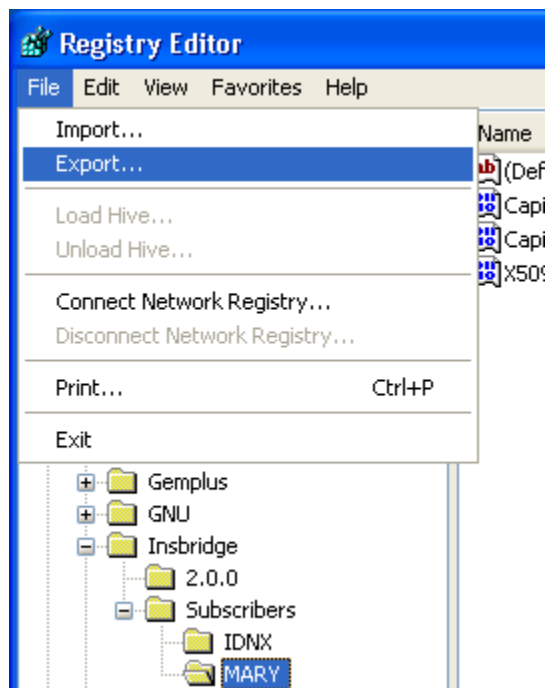


Figure 42 SoftRater Node Installation

3. Enter the key file name and save this to the desktop.
4. Copy this file to the SoftRater Node on the receiving IBFA.
5. Double-click this file. You will be asked if you wish to continue to import this data into the registry. Select **Yes**.
6. If the import was successful, then you will receive a report that it was successfully installed. If the import fails, please correct the error and try again.

Now the encryption on the RateManager server where the SRPs are created and the SoftRater Node where the SRPs are loaded match.

Installing the OBI Publisher

OBI Publisher is necessary for reports. If you do not plan on using reports in RateManager, you do not need to install this program.

This step can be skipped for a SoftRater Node install only.

1. Unzip the OBI_PUBLISHER

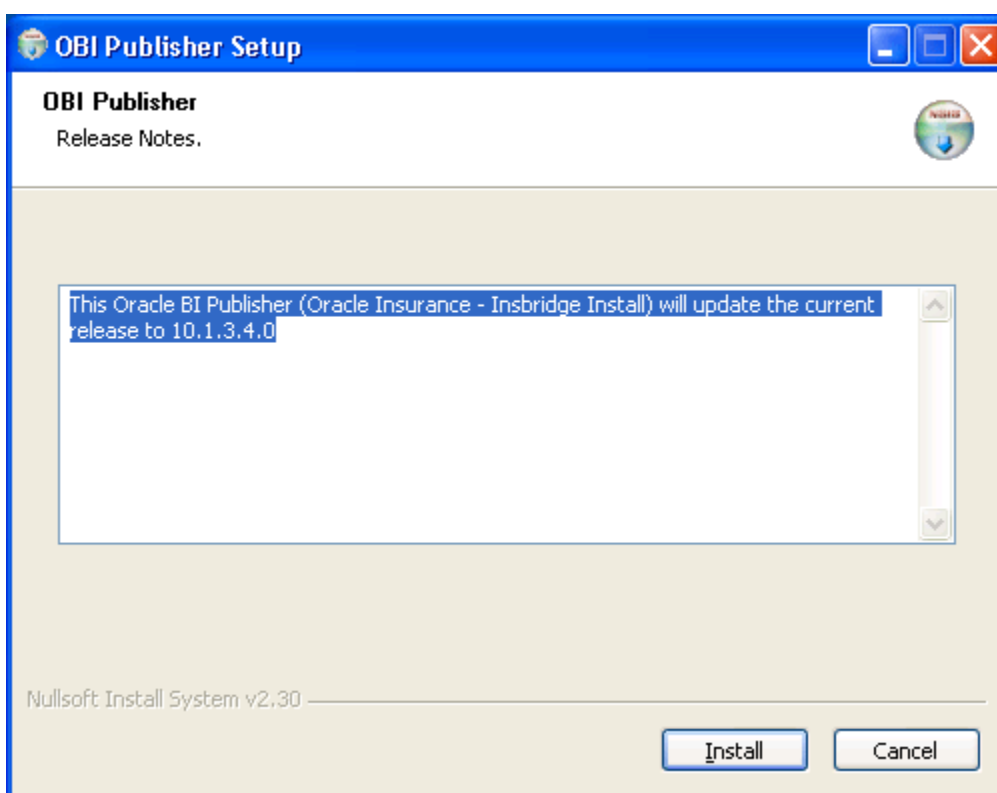
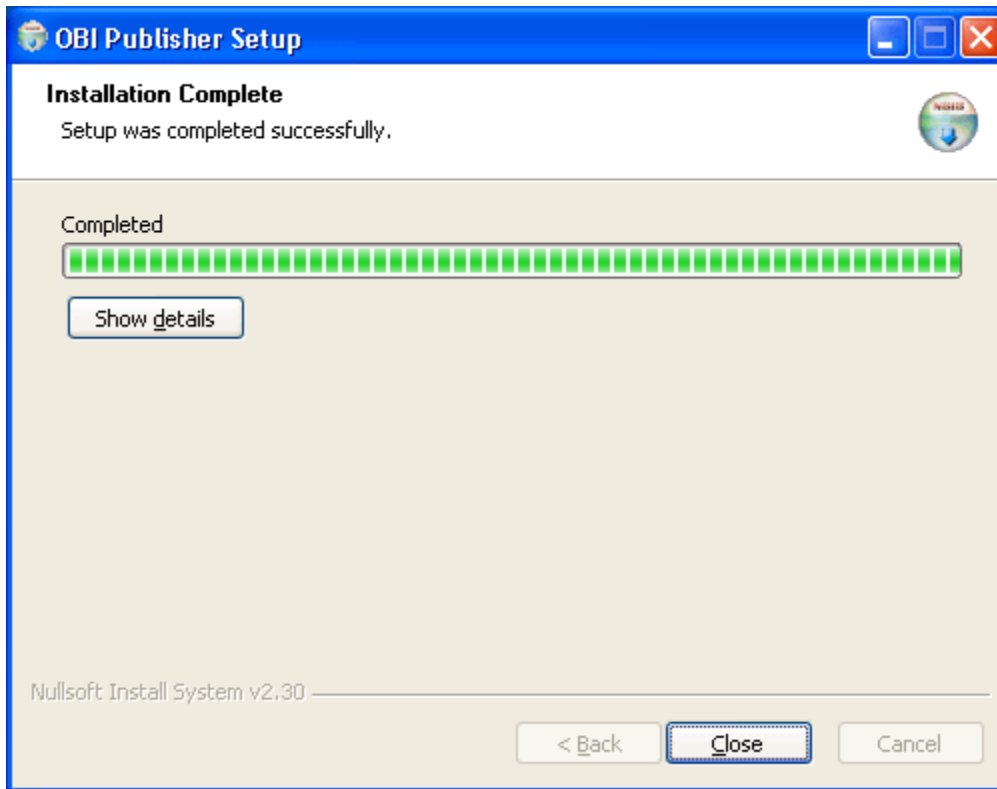


Figure 43 Installing OBI Publisher

2. Click **Install**. A progress screen will be displayed.



3. When complete, click **Close**.
4. In order for OBI Publisher to be available to users, you must start the **Insbridge Message Service**. In **IBFA**, navigate to the **Services** page.

Insbridge Message Service

The Insbridge Message Service is a Message Queue Listener that will route all batched messages to an assembly (process) for execution. These processes may take resources and time to execute. Please consult with you system admin before configuring the number of listeners per process.

Message Process

Batch Rating

If you see this message, you have not requested a listing from the selected spoke client. Clicking View Messages will provide you with a list view of the first in - first out messages that are waiting to execute.

Insbridge Task Manager

The Insbridge Task Manager gives you the ability to execute daily, weekly, hourly, or by the minute.

(This process may take a while to execute)

TASK	LAST RUN-DATE	START-TIME	STATUS

Figure 44 Insbridge Services Screen

5. Next to Insbridge Message Service, click . After a few seconds, the buttons will refresh to indicate that the service is started.

Updates to the Insbridge Application

An update to the system can be run from the same installer. Unzip the IBRU folder on the machine where the IBRU system (IBFA and RateManager) is currently installed. Click the installer.

During the installation, the installation program requires the installer have administrator rights on the machine where the install is occurring. Please close all open applications and run the Oracle Insurance – Insbridge Rating and Underwriting file.

A Welcome screen will be displayed.

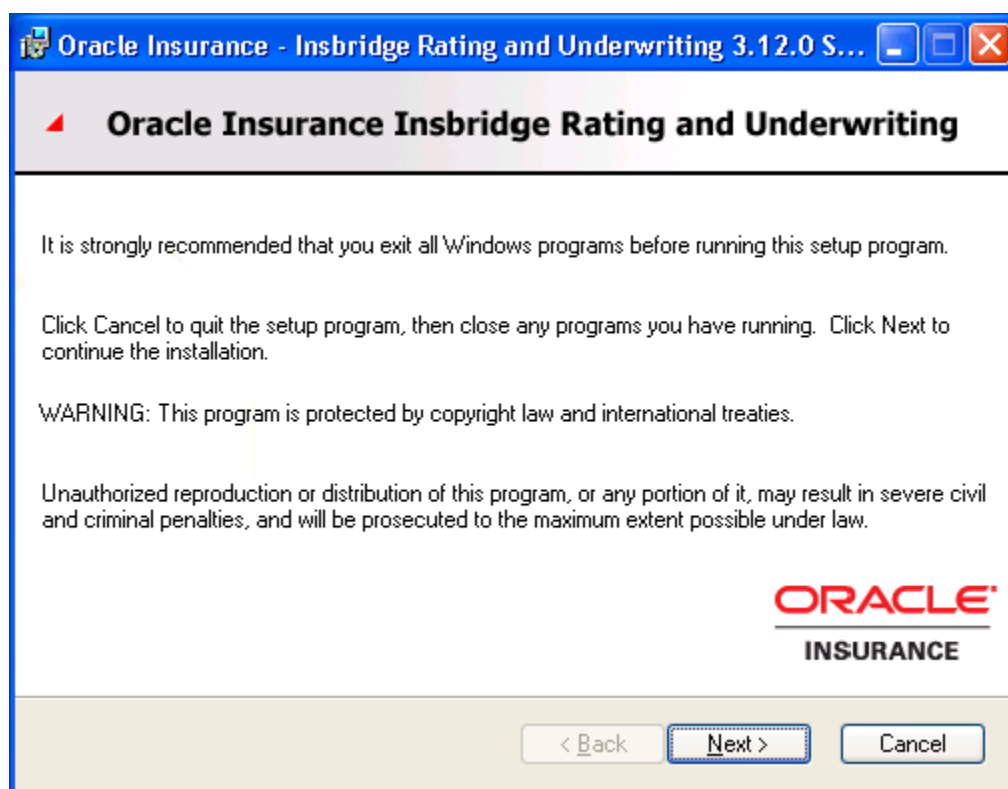


Figure 45 Installing Insbridge

1. Click on **Next** to continue.

2. The next screen is the Logon Information screen. Please use the Insbridge user account information that you set up earlier.

Oracle Insurance - Insbridge Rating and Underwriting 3.12.0 S...

Logon Information

The following logon information is used by Insbridge.

Specify a user account to be used by the application, either for running a service or for logging onto other servers. Use the Browse button to choose users from your network. For domains, user names must be in the format of DOMAIN\UserName.

User Name:

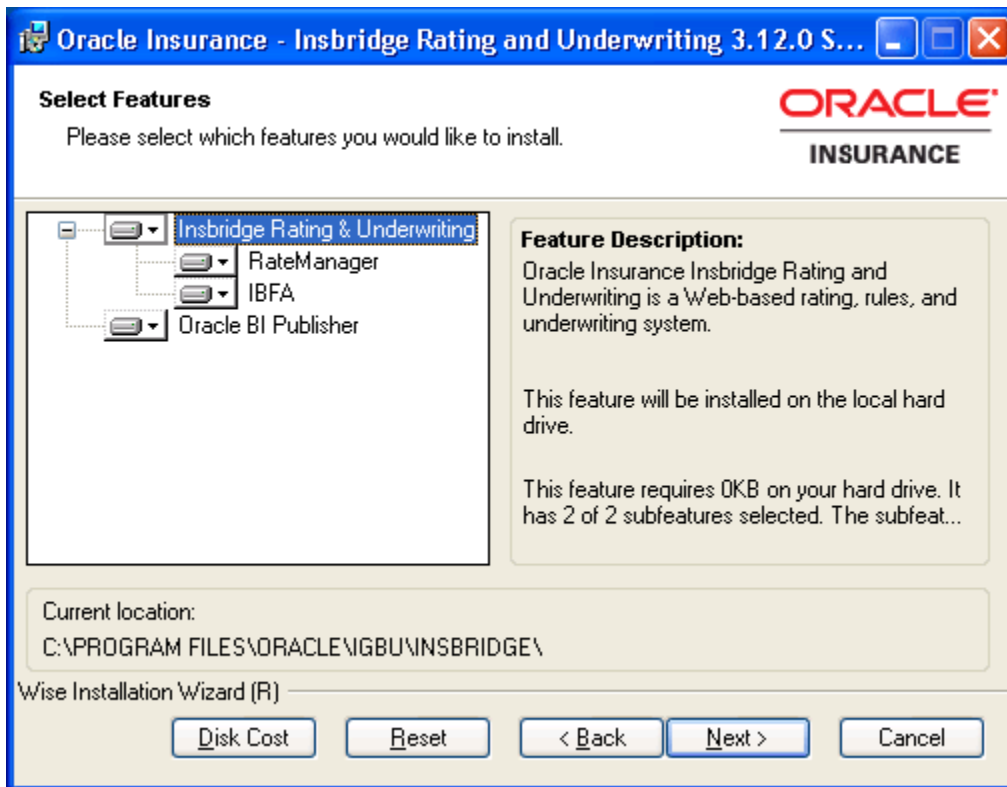
Password:

Wise Installation Wizard (R)

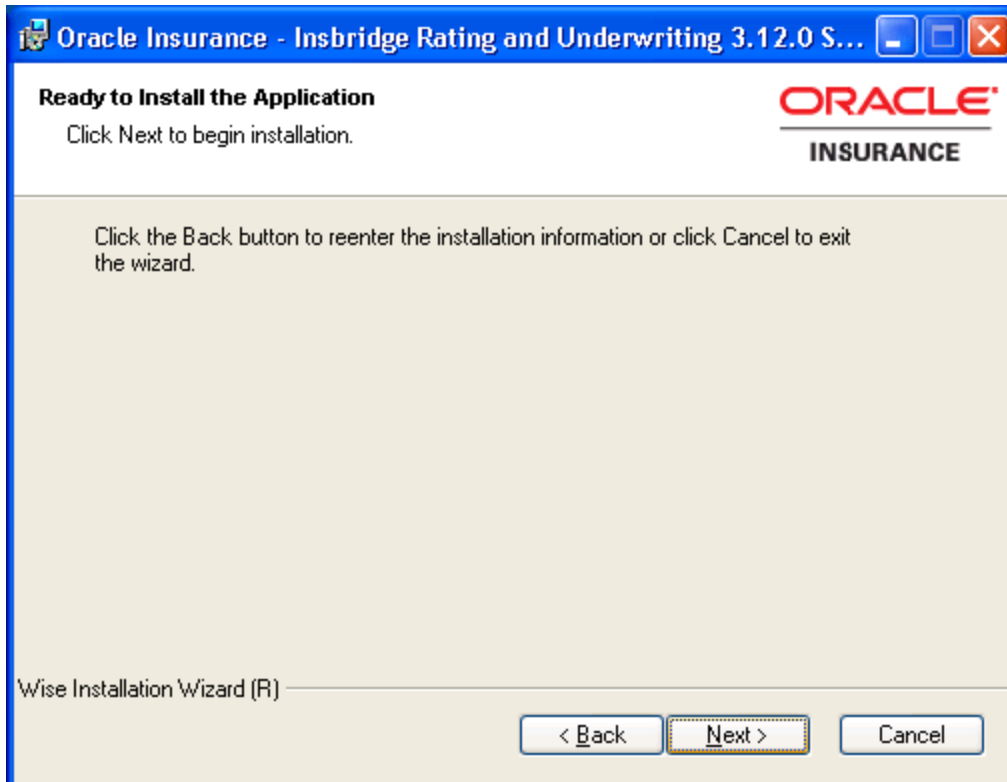
Figure 46 Entering User Information for Insbridge

3. Click **Next** to continue.

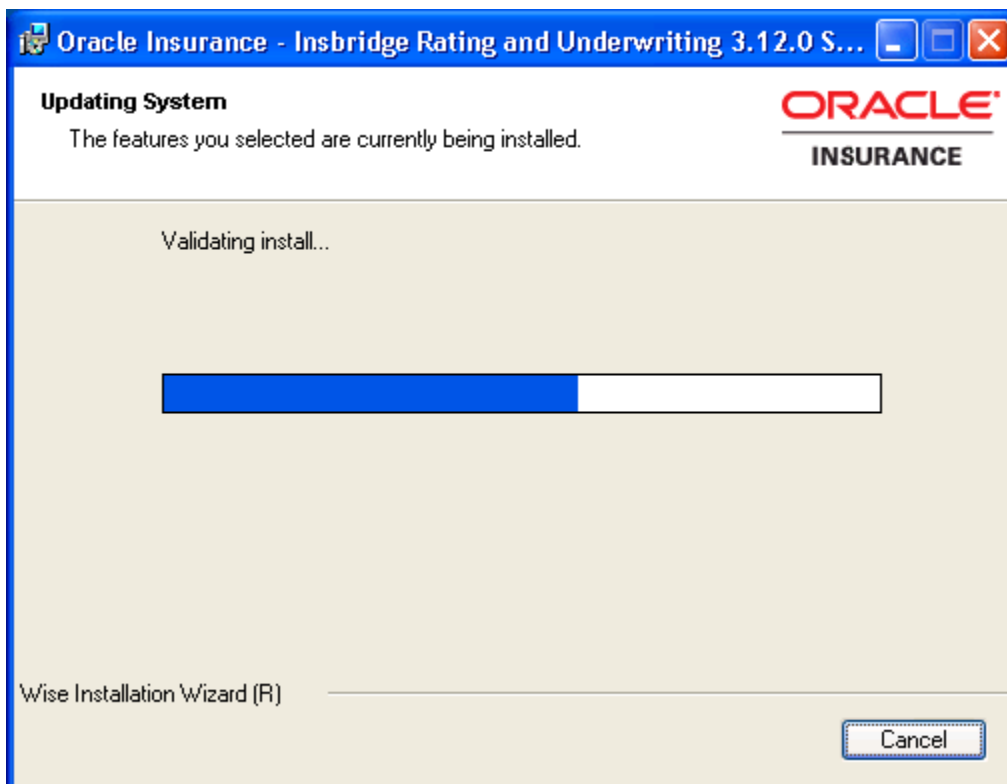
4. The next screen will list the applications to be installed. To expand the options and view details, click on the downward arrow. All features are checked for installation. RateManager is the only one that you will be allowed to not install.



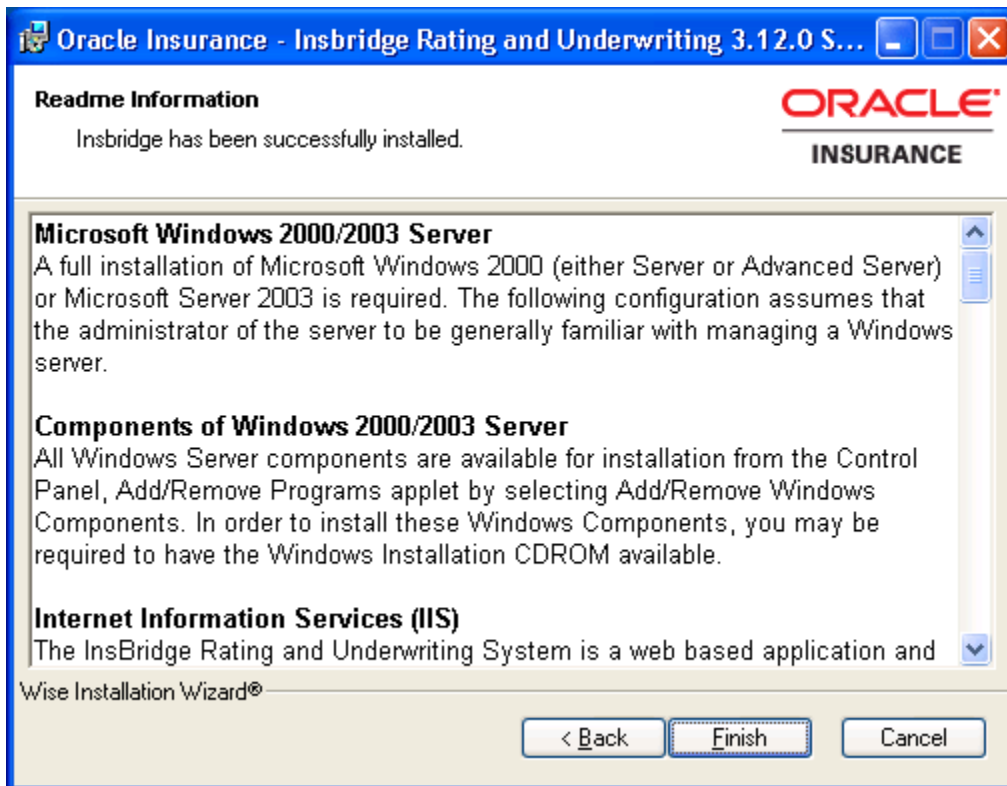
5. Click **Next** to continue.



6. A Ready to Install screen will be displayed. If you are ready, click **Next**. Otherwise click Back to check the options you want to install. A progress screen will display your progress.



7. When complete, a ReadMe Information screen will be displayed.



8. Click **Finish**.

NOTE Any Insbridge services will be stopped during the update.

Database Updates

Database updates can be performed in RateManager for the RM and IB_Client databases. This is the recommended way to update these databases. The SoftRater database will need to be updated on the machine where it is located.

To update the RM and IB_Client databases, log into RateManager.

Working with RateManager for the First Time

The URL for RateManager will be <http://INSTALLATIONSERVERNAME/RM>. Where Installation server is the server where RateManager was installed.

This will place you on the RateManager login screen.

1. To login for the first time, select your company from the drop down menu.
2. The user name will be demo.
3. The password will be password.

To change your password, go to Administration ➤ Change Password.

For more on user management, please see the RateManager User Guide.

NOTE

If you log into RateManager and Tools is the only option, you must perform a database update.

NOTE

If you are having difficulties logging into RateManager, please check the error logs in IBFA.

Running Database Updates in RateManager

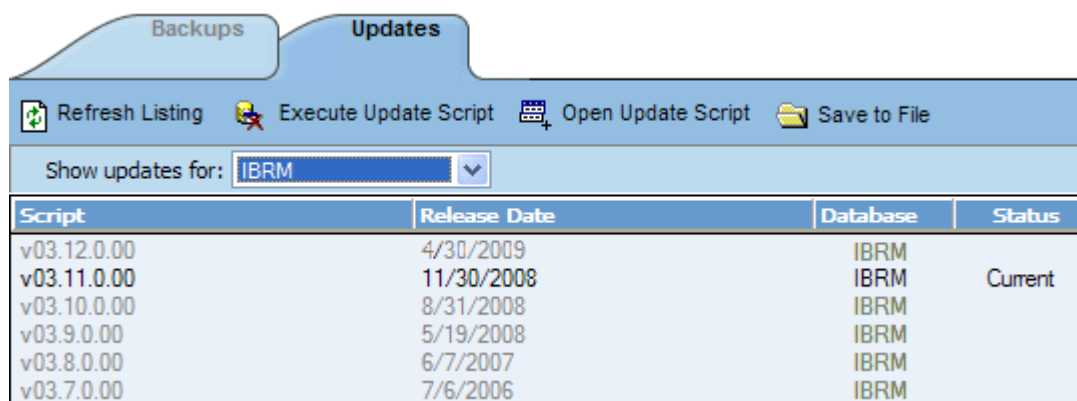
Database updates can be done on the IB_CLIENT database and the IBRM database. SoftRater database updates must be performed on the machine where the SoftRater database is located. No SoftRater updates are required for a new installation.

If you log into RateManager and Tools is the only option, you must perform a database update.

On the Updates screen, the current version will be highlighted and the status will be *Current*. The updates below the current version will be grayed out. These updates cannot be run again. You will receive an error message if you attempt to run a lower version update. Any version update above the current version will also be grayed out but will be available for executing.


Updates have to be installed sequentially, meaning if you are on Version 3.9, you must run the 3.10 update, then the 3.11 update and finally the 3.12 update. If you attempt to run an update that is more than one level above the current version, you will receive an error message.

1. Navigate to the **Backups** tab.
2. Click the **Updates** tab. Select the database you want to view from the **Show updates for** drop down. The database updates will be listed. The last column, the **Status** column, will show you which update is the **Current** one installed.



Script	Release Date	Database	Status
v03.12.0.00	4/30/2009	IBRM	
v03.11.0.00	11/30/2008	IBRM	Current
v03.10.0.00	8/31/2008	IBRM	
v03.9.0.00	5/19/2008	IBRM	
v03.8.0.00	6/7/2007	IBRM	
v03.7.0.00	7/6/2006	IBRM	

Figure 47 Available Updates

3. There are two ways to execute an update:
 - a. **Directly in RateManager: This is recommended way to update a database.**
 - i. Highlight the update you want to run. Begin with the lowest update. For example, if you are going from version 3.9, you must run the version 3.10 update first. Click  **Execute Update Script**. A warning message will be displayed.
 - ii. Click **OK** to run the update or **Cancel** to return to the previous screen.
 - iii. Do this for both the IBRM database and the IB_CLIENT database.
 - b. **Use Query Analyzer:** This method should be performed by a database administrator. No warning message will be displayed if you execute scripts in the wrong order. You must know the name of the databases you are updating. Please see **Manual Updates to the IBRU Database**.

Oracle Database Setup and Update Instructions

Oracle database files are packaged in the install. The **IBSR_TEMPLATE** file is located in the Databases>Oracle>SoftRater folder. The file name is usp_IBSSR_v03.12.0.oracle.

IMPORTANT

It is strongly recommended that any database modification be performed by a qualified database administrator (DBA). The database setup procedures and tasks require the skill set of a database administrator. If you are not a database administrator, please stop. Improper setup may result in unwelcome changes to the database. Please consult with a qualified database administrator before proceeding.

These instructions are high level and require that the setup person be a DBA.

1. You will need to **create the database**. Oracle Insurance does not have specific requirements, whatever requirements are deemed necessary by your company's internal standards will work. It is recommended that you included the version number or environment name if you are planning on creating more than one instance.
 - a) Create default tablespace for the Soft Rater database.
 - b) Create user IBSR & assign basic connect & resource grants.

This is next section is for information only. No action needs to be performed unless a new table needs to be created.

If a database table needs to be added in the SoftRater for Oracle at installation or any time later, the DDLs are located in the IBFA Installation Directory under the SoftRater/DDL folder. I.e. [INSTALL_DIR]/Insbridge/SoftRater/DDL.

Have this information ready:

- The LOBs that your company uses. You will need the ID number for each LOB.
- Your customer number.
- Location of the Insbridge files.
- Insbridge ODBC document.
- Insbridge IBFA Guide.
- Insbridge IBSS Guide.

1. **Create the tables.**

- If a database table needs to be added, the DDLs are located in the IBFA Installation Directory under the SoftRater/DDL folder. I.e. [INSTALL_DIR]/Insbridge/SoftRater/DDL.
- You will have to replace the TABLESPACE name in the scripts with the tablespace name you used when you created the database.
- On the DT tables, you will need to create one for every LOB. An example of the format is in the comments of the script. It requires the LOB ID number and the customer number.

2. **Run the client.** Use the ODBC document.

3. **Create the database connections to IBFA.** These instructions start on page 17 of the IBFA Guide. This is assuming that a subscriber is already in place.

4. **Create and configure an environment in IBFA.** These instructions start on page 35 of the IBFA Guide. Or if you have the environment setup already, you would only need to configure it. Be sure to test the environment.

5. **A final test** would be for a user to create a full package in RateManager. Make sure the environment you used for your new database is displayed in the drop down and the SRP is loaded.

6. If you are rating in WebSphere, WebLogic or JBoss using IBSS, you will need to **create and configure an environment in IBSS**. These instructions start on page 14 of the IBSS Guide. Be sure to test the environment.

NOTE

If you cannot locate the DDL files or the [INSTALL_DIR]/Insbridge/SoftRater/DDL file, please contact Support for further assistance.

Location of DDL Directory

If a database table needs to be added in SoftRater for Oracle or SoftRater for DB2, the DDLs are located in the IBFA Installation Directory under the SoftRater/DDL folder. I.e. [INSTALL_DIR]/Insbridge/SoftRater/DDL. This information may be needed if you are attempting to add an LOB and receive missing table errors. Creating tables in Oracle or DB2 should be performed by a qualified DBA.

Manual Updates to the IBRU Databases

When running an update, you may be required to update the database. In the RateManager, Security, and SoftRater Database folders you will find the current database scripts. The RateManager and Security database update script will take previous IBRM and IB_CLIENT databases from **version 3.11 to version 3.12 only**. **To go from a lower version up to 3.12, you must enter RateManager.**

The IBSR database update will need to be run once, regardless of version, in the corresponding database.

NOTE

Oracle database updates must be performed directly on the Oracle database by an Oracle DBA. Improper scripts updates can result in database failures. Oracle database updates are not available on RateManager.

To Perform Database Updates from RateManager


The preferred method of updating the IBRM and IB_CLIENT databases is to go into RateManager. If the administrator has DB User privileges and is the DB Owner of the database as well as the disk administrator, database updates can be done on the Tools>DataBase>Updates screen. If these privileges are not in place, an error message will be displayed. See Running Database Updates in RateManager for instructions.


NOTE

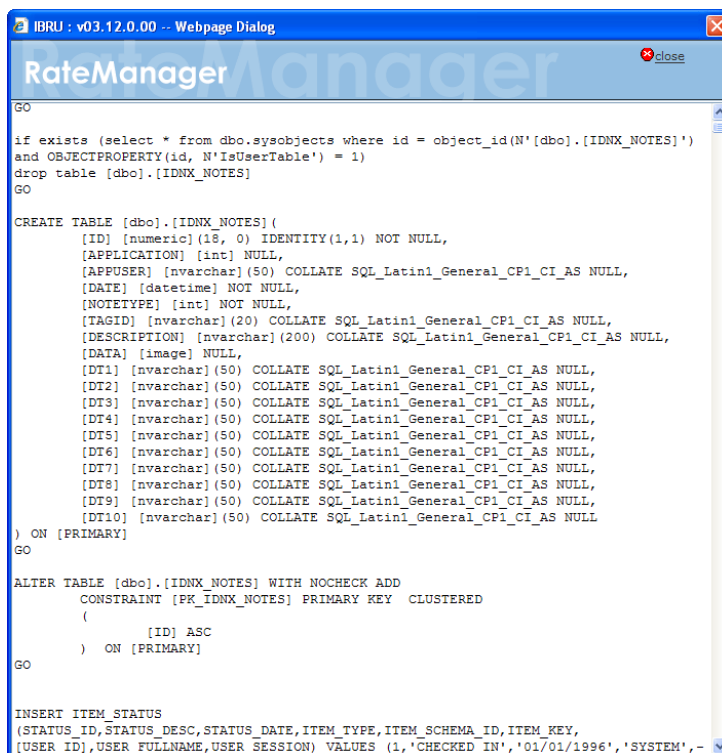
If you need to go from a lesser version, such as 3.9, you will have to enter RateManager and run the 3.10, 3.11 and 3.12 update scripts successively from there.

Manual Database Updates

Database updates are available in RateManager on the Tools>DataBase>Updates screen. To manually update a SQL Server database, you will be required to save off each update and run them in sequential order in SQL Server.

1. In RateManager, highlight the update you want to run. If you are going from a much lower version of RateManager, you may have to save multiple files for each database.
2. Click  **Save to File**. Your computers dialogue box will be displayed. **Save** the file to a location of your choice. For IBRM scripts, it is recommended that you rename the file to usp_IBRM_R0(version number).sql. For example the V3.10 update would be: usp_IBRM_R0310.00.sql. For IB_CLIENT scripts, it is recommended that you rename the file to usp_IB_CLIENT_R0(version number).sql. For example the V3.10 update would be: usp_IB_CLIENT_R0310.00.sql.
3. Open Query Analyzer in SQL Server.

4. To view the update script prior to execution, highlight the update you want to view. Click  **Open Update Script**. The update script will be displayed in a separate screen.



```
GO

if exists (select * from dbo.sysobjects where id = object_id(N'[dbo].[IDNX_NOTES]')
and OBJECTPROPERTY(id, N'IsUserTable') = 1)
drop table [dbo].[IDNX_NOTES]
GO

CREATE TABLE [dbo].[IDNX_NOTES] (
    [ID] [numeric](18, 0) IDENTITY(1,1) NOT NULL,
    [APPLICATION] [int] NULL,
    [APPUSER] [nvarchar](50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
    [DATE] [datetime] NOT NULL,
    [NOTETYPE] [int] NOT NULL,
    [TAGID] [nvarchar](20) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
    [DESCRIPTION] [nvarchar](200) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
    [DATA] [image] NULL,
    [DT1] [nvarchar](50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
    [DT2] [nvarchar](50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
    [DT3] [nvarchar](50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
    [DT4] [nvarchar](50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
    [DT5] [nvarchar](50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
    [DT6] [nvarchar](50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
    [DT7] [nvarchar](50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
    [DT8] [nvarchar](50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
    [DT9] [nvarchar](50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
    [DT10] [nvarchar](50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL
) ON [PRIMARY]
GO

ALTER TABLE [dbo].[IDNX_NOTES] WITH NOCHECK ADD
    CONSTRAINT [FK_IDNX_NOTES] PRIMARY KEY CLUSTERED
    (
        [ID] ASC
    ) ON [PRIMARY]
GO

INSERT ITEM_STATUS
(STATUS_ID,STATUS_DESC,STATUS_DATE,ITEM_TYPE,ITEM_SCHEMA_ID,ITEM_KEY,
[USER_ID],USER_FULLNAME,USER_SESSION) VALUES (1,'CHECKED IN','01/01/1996','SYSTEM',-
```

Figure 48 Script Viewer

For SQL 2000:

The DBA or a person with the proper permissions will need to apply the database update using Query Analyzer to the database listed in the SQL script name. For example: usp_IBRM_v03.12.xx.sql is applied to the IBRM database whereas usp_IBSR_v03.12.xx.sql would be applied to your IBSR database.

If you prefer to manually update your databases, you can use this method to update the IBRM and IB_CLIENT databases. You must use this method to update the IBSR database.

NOTE

If you do not have database permissions, you will not be able to perform the following database queries.

If you are unsure how to work with databases, please consult with your database administrator.

NOTE

When using Query Analyzer, the SQL scripts must run on each individual database as shown below.

1. **Open up the DB script updates** that you downloaded in RateManager. You can open in any program you want, such as Notepad. Begin with the next sequential update. For example, if you are going from V3.9 to 3.12, open 3.10 first.

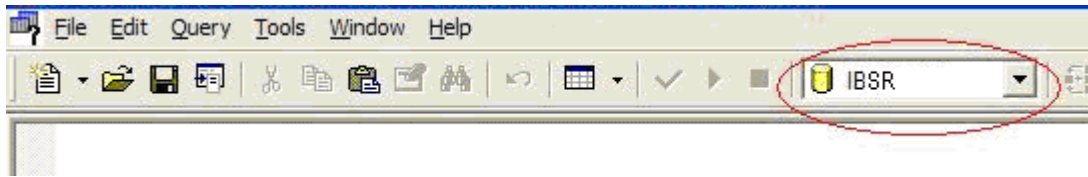


Figure 49 Updating Database

2. Select the database you want from the drop down menu. In SQL Server, create a new query with Query Analyzer.
3. The query screen will be displayed.
4. Copy the first update from Notepad and paste onto the query screen.
5. Click **Execute**. The script will execute. Any messages will be displayed in the lower portion of the screen. You must run the updates in sequential order. Run each update until you run the 3.12 update. Then continue on to the next database.

NOTE

The IBSR database update for 3.12 is the only update that will need to be run for the SoftRater database.

6. For example, if you want to update the IBRM database in SQL Server, select the IBRM_ database from the drop down menu. In SQL Server, create a new query with Query Analyzer.
7. The query screen will be displayed.
8. Copy the first update from Notepad and paste onto the query screen.
9. Click **Execute**. The script will execute. Any messages will be displayed in the lower portion of the screen. Run each update until you run the 3.12 update. Then continue on to the next database.
10. If you want to update the IB_CLIENT database in SQL Server, select the IB_CLIENT database from the drop down menu. In SQL Server, create a new query with Query Analyzer.
11. The query screen will be displayed.
12. Copy the first update from Notepad and paste onto the query screen.
13. Click **Execute**. The script will execute. Any messages will be displayed in the lower portion of the screen. Run each update until you run the 3.12 update. Then continue on to the next database.
14. After the scripts have been run, return to RateManager. Click **Refresh Listing**. The status should show current and the full RateManager menu should be displayed.

The updates are now properly applied and users can log back in to the system.

NOTE

NO warning messages will be displayed if you run updates in SQL Server in the wrong order. Running updates in the wrong order can cause irreparable damage to your database.

For SQL 2005:

The DBA or a person with the proper permissions will need to apply the database update using Query Analyzer to the database listed in the SQL script name. For example: usp_IBRM_v03.12.xx.sql is applied to the IBRM database whereas usp_IBSR_v03.12.xx.sql would be applied to your IBSR_ database.

You can use this method if you are updating the IBRM and IB_CLIENT databases from IBRU 3.11 to IBRU 3.12 only. You must use this method to update the IBSR database.

NOTE

If you do not have database permissions, you will not be able to perform the following database queries.

If you are unsure how to work with databases, please consult with your database administrator.

NOTE

When using Database Engine Query, the SQL scripts must run on each individual database as shown below.

1. **Open up the DB script updates** from the download file. You can open in any program you want, such as Notepad. Begin with the next sequential update. For example, if you are going from V3.9 to 3.12, open 3.10 first.

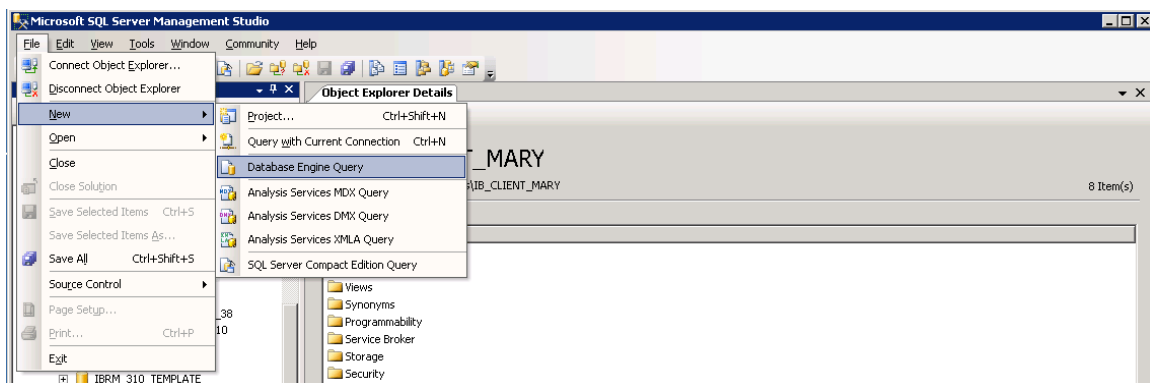


Figure 50 Updating Database

2. Select the database you want. In SQL Server Management Studio, create a new Database Engine Query, **File>New>Database Engine Query**.
3. The query screen will be displayed on the right hand side.
4. Copy the first update from Notepad and paste onto the query screen.

NOTE

The IBSR database update for 3.12 is the only update that will need to be run for the SoftRater database.

5. Click **Execute**. The script will execute. Any messages will be displayed in the lower portion of the screen. You must run the updates in sequential order. Run each update until you run the 3.12 update. Then continue on to the next database.

6. For example, if you want to update the IBRM database in SQL Server, select the IBRM_ database. In SQL Server Management Studio, create a new Database Engine Query, **File>New>Database Engine Query**.
7. The query screen will be displayed on the right hand side.
8. Copy the first update from Notepad and paste onto the query screen.
9. Click **Execute**. The script will execute. Any messages will be displayed in the lower portion of the screen. Run each update until you run the 3.12 update. Then continue on to the next database.
10. For example, if you want to update the IB_CLIENT database in SQL Server, select the IB_CLIENT database. In SQL Server Management Studio, create a new Database Engine Query, **File>New>Database Engine Query**.
11. The query screen will be displayed on the right hand side.
12. Copy the first update from Notepad and paste onto the query screen.
13. Click **Execute**. The script will execute. Any messages will be displayed in the lower portion of the screen. Run each update until you run the 3.12 update. Then continue on to the next database.
14. After the scripts have been run, return to RateManager. Click **Refresh Listing**. The status should show current and the full RateManager menu should be displayed

The updates are now properly applied and users can log back in to the system.

Updating the SoftRater Database from a Lower Version

For SQL Server Only: The only upgrade needed to perform for SoftRater is adding the new stored procedures on all of the IBSR databases. This can be accomplished by opening Query Analyzer and connecting to the IBSR database. Then run the included SQL script usp_IBSR_v03.12.sql available in the install download. If the script is not included, then it has been run.

For an Oracle Database: Run the corresponding Oracle file.

Advanced Settings and Permission Notes

Advanced Settings for RateManager

If performing just a SoftRater node installation, this step can be skipped.

The RateManager application can be extended to suit many different types of distributed environments. Most of this customization should be performed only with the help of an Insbridge Application Engineer. To access these settings, open the RateManager application in a web browser `http://SERVERNAME/RM/` and at the login screen, **press and hold the left Control and Shift keys and then press S**. This should bring up the following dialog:

Insbridge ConfigXml Path:	<input type="text" value="D:\PROGRAM FILES\INSBRIDGE\FRAMEWORK\2.0.0\Insbridge"/>	
Messaging Server :	<input type="text" value="localhost"/>	(Secure Channel) <input type="checkbox"/>
SoftRater Server :	<input type="text" value="localhost"/>	(Secure Channel) <input type="checkbox"/>
Backup Share Folder Location:	<input type="text" value="C:\Databases"/>	
Use Insbridge Com+ Admin:	<input type="button" value="True"/> ▼	
Enforce Release Packaging:	<input type="button" value="False"/> ▼	
Batch Package Threads:	<input type="text" value="1"/>	
Minimum Login User ID Length:	<input type="text" value="3"/>	
User must change password:	<input type="text" value="90"/>	(Days)
Show Override Date Mask:	<input type="button" value="True"/> ▼	
Allow Data Type Change:	<input type="button" value="True"/> ▼	
Inactive Session Time Out:	<input type="text" value="5.5"/>	(hrs)
Batch Results with NewLine:	<input type="button" value="False"/> ▼	
Online Help Server:	<input type="text" value="SOUTHERN"/>	
Change Control:	<input type="button" value="On"/> ▼	

Figure 51 Configuring Advanced Settings

By default these settings should be OK to start when deploying a standard RateManager application. One item that can be configured is the location for the backup files. RateManager has the ability, if the server administrator and database administrator agree to allow it, to perform a database backup of the IBRM_XXXX database and then the zip it up to be sent to Oracle Insurance Support.

This means that business users of RateManager require the assistance of either the server administrator or the database administrator in the event that Oracle Insurance Support requests a database snapshot. This configuration is totally dependent on the corporate environment where IBRU is installed and whether permissions will be granted to the business users to perform this action. The default is turned off.

Permissions Required by the ASPNET Microsoft .NET User Account

These are the permissions required by the ASPNET local user account as set forth by Microsoft in order for ASP.NET based applications to run properly.

Read / Write Access is required for:

- The %installroot%\ASP.NET Temporary Files directory. Subdirectories beneath this root are used for dynamically compiled output. Usually located in %WINDIR%\Microsoft.NET\Framework\v2.0.50727.
- %temp% directory, which is used by the compilers during dynamic compilation.

Read Access is required for:

- The application directory (e.g.: the location where you installed the Insbridge applications).
- The %installroot% hierarchy to make it possible to access to system assemblies.
- The web site root directory (e.g.: the path at which the “Default Web Site” points, typically %systemdrive%\inetpub\wwwroot.
- The Global Assembly Cache, %windir%\assembly.

Default SQL Server Database User Roles and Permissions Required

If a more granular approach is required for management of security of the IBRU databases, then the following guidelines can be used to set the required permissions.

NOTE

These are only guidelines. If not properly configured, certain processes within the Insbridge Rating and Underwriting System will fail. An experienced database administrator's expertise is highly recommended before making any security changes.

- **IBSR Database User** – Account requires dbo access to the IBSR databases because it creates new tables in the SoftRater (IBSR) database dynamically when or if a new line of business SRP (SoftRater Package) is loaded to the SoftRater system.
- **IBRM_xxxx and IB_CLIENT Database User** – Account requires execute access against the Insbridge stored procedures and full access to the Insbridge schema.

Extended Permission Required by the Insbridge User

If the Insbridge user account will not have full administrative permissions on the server where the Insbridge Framework is installed, then certain operations from the Insbridge Framework Administrator will not be available.

In order to start the Insbridge services from IBFA, the Insbridge user must be given full access to both the Insbridge Message Service and the Insbridge Task Manager Service. There are a number of ways to perform this and more details can be obtained from Microsoft at <http://support.microsoft.com/?kbid=288129>. This article describes several methods for granting users the rights to manage services in Windows 2000 Server. By default in Windows 2000 Server, only Administrators and Power Users can start, stop, or pause services. This article describes techniques for granting these rights to other users and groups.

The following is one of the methods outlined in the above-mentioned KB Article:

1. Click **Start**, click **Run**, and then type MMC.
2. On the **Console** menu, click **Add/Remove Snap-in**.
3. Click **Add**.
4. Select the **Security Configuration and Analysis** snap-in, and then click **Add**.
5. Click **Close**, and then click **OK**.
6. In the MMC, right click the **Security Configuration and Analysis** item, and then click **Open Database**.
7. Give a name for the database, and then browse to where you would like to store it.
8. When prompted, select a Security Template to import. For example, the "basicwk.inf" contains values for the standard settings found on a Windows 2000 Professional computer.
9. In the MMC, right click the **Security Configuration and Analysis** item and then click the **Analyze Computer now** option. Choose a location for the log file, when prompted.
10. After analysis is complete, configure the service permissions as follows:
 - a. Double-click the **System Services** branch in the MMC.
 - b. Right click the service that you want to change, and then click **Security**.
 - c. Click **Edit Security**.
 - d. Add user accounts as required, and configure the permissions for each account. By default, the user will be granted "Start, stop and pause" permissions.
11. To apply the new settings to the local computer, simply right click the **Security Configuration and Analysis** item, and then click the **Configure Computer Now** option.

If you need assistance with an Oracle Insurance Insbridge Rating and Underwriting System product, please log a Service Request using My Oracle Support at <http://metalink.oracle.com>.

Address any additional inquiries to:

Oracle Corporation
World Headquarters
500 Oracle Parkway
Redwood Shores, CA 94065
U.S.A.

Worldwide Inquiries:
Phone: +1.650.506.7000
Fax: +1.650.506.7200
oracle.com

Index

A

Access	
RateManager Settings	75
Active Server Pages	
Enabling	11
Adding	
Local Machine Administrators Group....	18, 19
Stored Procedures	74
Administrative Permissions	77
Advance Settings	
RateManager	75
Application Server	
Subcomponents	11
ASP.NET v2.0.xxxx	
Enabling	11
ASP.NET	
Permissions Required	76
ASP.NET Extensions	
Microsoft .NET 2.0 Framework	13
ASP.NET ISAPI Extensions	
Microsoft .NET 2.0 Framework	13

B

Backup	
Database RateManager	75
Registry Key	57

C

Certifying	
Packages in Directory	54
Checklist	
RateManager Installation	9
SoftRater Node Installation	8
Collation and Sort Order	
SQL Server	17
COM+ Library	56
Configuring	
Insbridge Framework Administrator	47
Registry Editor	27, 29
Converting to 3.12	
From Previous Version of SoftRater	74
Creating	
Connection fro RateManager	51
Default Rating Environment	52
insbridge user	19

Local User Account	18
Customization	
RateManager	75

D

Database	
Adding Stored Procedures	74
Backup of RateManager	75
IB_CLIENT	38, 41, 47, 48
IBRM	76
IBSR	38, 41, 47, 48, 76
IBSR Permissions	41, 46
Permissions	76
Requirements	37
Security	76
Server Name	49
Server, MDAC	17
Updating	71, 73
Users	37
DB Catalog	
DB2	55
Environment	55
Oracle	55
DB Catalog Type	
Environment	55
DB Password	
Environment	55
DB Schema	
Environment	55
DB Server	
Environment	54
DB Server Type	
Environment	54
DB Tablespace	
Environment	55
DB User	
Environment	55
db_owner Permissions	41, 46
DB_SERVERNAME	54
DB2	
Supported Database	54
Default Rating Environment	
Creating	52
Definition	
SoftRater Node	6
Directory	
Options for Environment	54
Disk Administrators SQL Server role	
User Account	41, 46

E

E-Delivery	
IBRU.....	7
Required Programs.....	7
Edition Notice.....	2
Encryption	
Registry Key	57
SoftRater Package.....	57
Engine EnvDef	
Environment.....	55
Engine Location	
Environment.....	55
Engine Type	
Environment.....	55
Environment	
DB Catalog.....	55
DB Catalog Type.....	55
DB Password.....	55
DB Schema.....	55
DB Server.....	54
DB Server Type.....	54
DB Tablespace.....	55
DB User.....	55
Engine EnvDef.....	55
Engine Location.....	55
Engine Type.....	55
Name.....	54
Options.....	54
Package Location.....	54
SoftRater Node Installation.....	52
Environment Types.....	53
Environments	
SoftRater Node Usage.....	6
Execute Update Script.....	67
Export	
Registry Key.....	57
Extensions	
ASPNET.....	13
ASPNET ISAP.....	13

F

Files	
Creating PDF.....	13
FIPS Encryption	
Windows 2003 Server Issues.....	14
Framework Administrator	
Full Control of Directory.....	54

H

HKEY_LOCAL_MACHINE/SOFTWARE/Ins bridge.....	27, 29, 57
--	------------

http://SERVERNAME/ibfa/.....	47
------------------------------	----

I

IB_CLIENT	
Database.....	38, 41, 47, 48, 50
IBFA	
Rerun.....	56
Start Insbridge.....	77
Uninstall.....	56
IBRM Database.....	54
IBRM_xxxx	
db_owner Permissions.....	41, 46
ibru	
SQL Server Account.....	37, 38
IBRU.....	6, 7
E-Delivery.....	7
Installing .NET 2.0 Framework Prior.....	12
IBRU Web Server	
SERVERNAME.....	47
IBRU_INSTALL_DIR.....	22
IBSR.....	76
Database.....	38, 41, 47, 48
IBSR Database	
db_owner Permissions.....	41, 46
IBSR Databases	
Loading SRPs.....	52
IIS	
Enabling.....	11
Installing Microsoft .NET 2.0 Framework	
After.....	12
Required.....	10, 11
Subcomponents.....	10
Insbridge	
Split over Servers.....	17
Insbridge Framework	
Installing.....	18, 21, 61
Local User Account.....	18
Insbridge Framework Administrator	
Configuring.....	47
Extended Permission.....	77
Insbridge Inc. Com+ Administrator	
Permission on WINNT\Temp Folder.....	31
Insbridge Key.....	29, 31, 32
Insbridge Message Service.....	60, 77
Insbridge Permissions.....	34, 35
Insbridge Properties.....	33
Insbridge RateManager	
Supported Databases.....	54
Insbridge Services	
Stopped.....	65
Insbridge SoftRater	
Supported Databases.....	54
Insbridge Task Manager Service.....	77
insbridge user	

Permissions.....	34
Registry Key.....	27, 29
Setup.....	19
Installation	
RateManager Checklist.....	9
SoftRater Checklist.....	8
SoftRater Node	57
Starting.....	22
Installation Order.....	20
Installation Program	
Requirements.....	21, 61
Installation Requirements	
Databases.....	37
Installer	
Admin Rights for Installation.....	21, 61
Installing	
Insbridge Framework.....	18, 21, 61
Microsoft .NET 2.0 Framework.....	12

J

Java Runtime Environment.....	13
JRE.....	13

K

Known Issues	
Windows 2003 Server.....	14

L

Local Machine Administrators Group	
Adding User.....	18, 19
Local User Account	
Insbridge Framework.....	18
LOCALHOST	
Engine Location.....	55

M

Microsoft .NET 2.0 Framework.....	12
Microsoft Message Queue.....	31
Microsoft Message Queuing Service.....	12
Microsoft SQL Server.....	16
Microsoft Windows 2000.....	10
Missing	
COM+ Library.....	56
Mixed Mode Authentication	
Sql Server.....	16
MSMQ.....	31

N

Name	
Environment.....	54
Network DTC	
Windows 2003 Server Issues.....	15
Node Installation	
SoftRater	57
NT Fibers	
SQL Server.....	17

O

Open Update Script.....	71
Options	
Environment.....	54
Oracle	
Supported Database.....	54
Oracle ODBC Driver Information	
DB Catalog.....	55

P

Package Location	
Environment.....	54
Part Numbers	
E-Delivery.....	7
Password	
Errors to COM+ Apps.....	19
Local User Account.....	19
PDF Files	
Creating.....	13
PDF Reader	
E-Delivery.....	7
Permissions	
db_owner.....	41, 46
Extended.....	77
Insbridge Key.....	27, 29
Required ASPNET.....	76
Validating on Directory.....	54

Q

Query Analyzer	
Updating Database.....	71, 73

R

RateManager	
Accessing Advance Settings.....	75
Advance Settings.....	75
Checklist for Installation.....	9
Creating a Connection.....	51

Default Rating Environment	52
Disk Administrators SQL Server role	41, 46
PDF Files	13
Registry Key	57
Read / Write Access	
ASPNET	76
Read Access	
ASPNET	76
regedit	57
Registry Editor	
Configuring	27, 29
Registry Key	57
Import	57
insbridge user	27, 29
Requirements	
Installation Program	21, 61
Internet Information Services	10, 11
Microsoft Message Queuing Service	12
Microsoft Windows 2000	10
Permissions ASPNET	76
Windows Server	10
Rerun	
IBFA	56
Running	
Database Updates	67

S	
sa account	
SQL Server Enterprise Manager	38, 41
Script	
Executing Update	67
Viewing Update	71
Security	
Database	76
Server	
Admin Permissions	77
Insbridge Framework Name	49
SERVERNAME	
Replacing	47
Servers	
Insbridge Split Over	17
Service	
Insbridge Task Manager	77
Settings	
SQL Server	16
Shared	
IBRU System	19
SMTP Service	
IIS Requirement	10, 11
SoftRater	
Checklist for Installation	8
Converting to 3.12	74
IBSR	76

SoftRater Node	
Definition	6
SoftRater Node Installation	57
Environments	52
SoftRater Package	
Encryption	57
SQL Scripts	
Query Analyzer	71, 73
SQL Server	
Collation and Sort Order	17
Mixed Mode Authentication	16
NT Fibers	17
Replacing Name	54
Requirements	16
Residing on Separate Host	16
Settings	16
Supported Database	54
User Accounts	41, 46
SQL Server Account	
ibru	37, 38, 41
SQL Server Enterprise Manager	
sa Privileges	38, 41
Subscriber	
Information for Database	49
Supported Database	54
Supported Databases	
Insbridge RateManager	54
Insbridge SoftRater	54
System DSN Name	
Oracle Servers	54

T

Types	
Environment	53

U

Uninstall	
IBFA	56
Unzip Utility	
E-Delivery	7
Updates	
Running	67
Viewing	67
Updating Database	71, 73
User	
Access to Services	77
Local User Account	18
Windows Temp Folder Access	31
User Accounts	
SQL Server	41, 46
Users	
Database Requirements	37

Local, ASPNET	76
Permissions for Insbridge Folder Location	34

V	
Validating	
COM+ Library.....	55
Viewing	
Database Updates	67

W	
Web Server	
IBRU	49
Java Runtime Environment	13
MDAC.....	17
Windows 2003 Server Known Issues	14
Windows Server	
Components	10
WINNT\Temp Folder	
MSMQ	31