

Oracle Insurance

**Insbridge Rating and
Underwriting
RateManager
Upgrade Guide**

Release 4.5

May 2011

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Oracle Insurance Insbridge Rating and Underwriting RateManager Upgrade Guide

Release 4.5

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CONTENTS

PREFACE	5
AUDIENCE	5
TYPES OF INSTALLATION	5
<i>Definitions.....</i>	6
<i>Related Documents.....</i>	7
<i>Manual History.....</i>	7
CHAPTER 1.....	8
SYSTEM UPGRADE REQUIREMENTS.....	8
<i>Special Considerations for SQL Server in a Java Setup.....</i>	8
<i>E-Delivery.....</i>	8
CHAPTER 2.....	11
UPDATING AN INSBRIDGE APPLICATION.....	11
STEP 1 – RUNNING THE IBRU APPLICATION.....	12
STEP 2 – UPDATING DATABASES.....	18
<i>Updating Databases in RateManager.....</i>	18
UPDATING PREFERENCES	21
<i>Web Settings.....</i>	22
CHAPTER 3.....	25
MIGRATE WORK FILES	25
MIGRATING FILES	25
<i>Performing the Migration in RateManager.....</i>	26
CHAPTER 4.....	30
MANUAL UPDATES TO THE IBRU DATABASES.....	30
TO PERFORM DATABASE UPDATES FROM RATEMANAGER.....	30
SUPPORT.....	33
CONTACTING SUPPORT	33
TTY ACCESS TO ORACLE SUPPORT SERVICES	33
INDEX.....	34

LIST OF FIGURES

- Figure 1 Installing Insbridge 12
- Figure 2 Destination Location for Update..... 13
- Figure 3 Entering User Information for Insbridge 14
- Figure 4 Selecting Features to Install..... 15
- Figure 5 Ready to Install..... 16
- Figure 6 Tool Mandatory Update..... 18
- Figure 7 Available Updates 19
- Figure 8 Updating Scripts in RateManager 20
- Figure 9 Preferences Settings 22
- Figure 10 Location of WorkFiles..... 25
- Figure 11 Migrating Work Files..... 26
- Figure 12 Confirming a Migration 27
- Figure 13 Successful Migration 27
- Figure 14 Verifying File Migration in RateManager 28
- Figure 15 Verifying File Migration at Server Level 29
- Figure 16 Script Viewer 31
- Figure 17 Updating Database..... 32

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. This guide will help with the upgrading 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.

TYPES OF INSTALLATION

There are various types of installations:

Windows Environment

- **Full RateManager** – This installation will install RateManager and the Insbridge Framework Administrator (IBFA). This is for a Windows only environment, using a SQL Server database.
- **Full SoftRater for Windows Node** – This installation is for existing environments that want to add a SoftRater for Windows node to an environment. This is for a Windows only environment. This installation also includes incorporating an Oracle Database.

Java Environment

- **Full SoftRater Installation on a Java Machine** – This installation will install SoftRater on a Java machine, using a SQL Server database.
- **Full SoftRater Installation on a Java Machine** – This installation will install SoftRater on a Java machine, using an Oracle database.

Upgrading

- **Upgrade** – This installation is for existing customers and will take their current version of IBRU up to version 04.05.00.

This guide will describe Upgrading an existing environment.

Definitions

Some commonly used terms when installing or using the Oracle Insurance Insbridge Rating and Underwriting system:

- **IBRU** – Insbridge Rating and Underwriting System. This is the entire system.
- **IBFA** – Insbridge Framework Administrator. IBFA is an administrative tool used to configure Insbridge applications and setup RateManager database connections. IBFA will be located on a Windows Server machine. IBFA/SR-WIN is an Insbridge Framework Administrator/SoftRater for Windows.
- **IBSS** – Insbridge SoftRater Server. IBSS is the administrative tool for the SoftRater engine. The SoftRater engine is a multi-platform component within IBRU that executes the rules, rating and underwriting instructions as defined by the user in RateManager. IBSS is usually located on a Java machine. IBSS/SR-JAVA is an Insbridge SoftRater Server/SoftRater for Java.
- **SoftRater Node** – A SoftRater node is either an IBFA (without RateManager) or IBSS instance on a physical environment.
- **SoftRater Native** – SoftRater Native is a remote instance of SoftRater that can execute rules and rating logic in environments where access via the SoftRater web-services is not desired or possible.
- **RM** – RateManager. RateManager is a component within IBRU that enables users to manage the product definition and modification process, including rating and underwriting logic.
- **SR** – SoftRater. The engine that executes the rating, rules and underwriting instructions defined within RateManager. The rating environment for runtime execution and processing of business content. SoftRater can be further defined by the operating system where it has been loaded.
- **SR-WIN** – SoftRater for Windows. This is also another name for IBFA.
- **SR-JAVA** – SoftRater for Java. This is also another name for IBSS.
- **SRP** – SoftRater Packages. A package that holds all the RateManager logic for a specific program and version.
- **VFS** – Virtual File Servers. Virtual file server management allows you to access environments that are located on other machines in different locations where packages can be downloaded.
- **Package Location** – A pointer to a location where SoftRater Packages (SRP's) are stored.
- **Physical Environment** – A physical environment is generally referred to as a physical machine.
- **Authoring Environment** – The physical machine where RateManager is installed.
- **Rating Environment** – The physical machine(s) where SoftRater is installed. This is typically the same as a SoftRater node.

- **Logical Environment** – An environment created for a subscriber in IBFA. It defines package location, engine location and database location in addition to several other supporting data items. This environment is used for rating and/or SRP management. Each database connection will have a logical environment.

Related Documents

For more information, refer to the following Oracle resources:

- The Oracle Insurance Insbridge Rating and Underwriting Operating Environments for Hardware and Software.
- You can view this guide on-line at this address:

<http://www.oracle.com/technetwork/documentation/insurance-097481.html>

Manual History

New editions incorporate any updates issued since the previous edition.

Edition	Publication Number	Product Version	Publication Date	Comment
1 st Edition	P01-788-01		May 2011	Initial Release

SYSTEM UPGRADE REQUIREMENTS

Prior to upgrading an IBRU system, please have ready:

- The Insbridge User Account information.
- The location of the current IBRU installation.
- Prior to running an IBRU upgrade, please make sure all users are logged off.
- The Insbridge User has administrative rights or proper permissions to run an installation and start the Insbridge Message Service and the Insbridge Task Manager Service.
- You must run as Administrator for a Windows 2008 Server upgrade.
- User name and password for RateManager.

OR

- Access to the IBRU databases. Updates will be run against the IBRM and the IB_CLIENT databases. SoftRater databases may not require an update.

NOTE: *Upgrades are performed the same way for either a 32-bit machine or a 64-bit machine. The same permissions and requirements are needed and should already be set up.*

NOTE: *If you attempting to update from a 32-bit Insbridge instance to a 64-bit Insbridge instance, please contact Oracle Support.*

Special Considerations for SQL Server in a Java Setup

For **Java setups only** when connecting to SQL Server from IBSS:

- **For Upgrades:** If you want to keep the current Environment settings that are in IBSS, there are additional steps that need to be performed. Please see the SQL Server Upgrade chapter in the corresponding SoftRater Installation Guide for the exact steps.

If you are running a Windows only environment, no additional steps will be required. This is only for SoftRater for WebLogic, SoftRater for WebSphere and SoftRater for JBoss.

E-Delivery

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 RateManager 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.

The 04.05-Insbridge-IBRU folder contents:

- **Databases**
 - ◆ DB2
 - SoftRater – IBSR
 - DDL
 - ◆ Oracle
 - SoftRater – IBSR
 - DDL
 - Update:Usp_IBSR_v04.05.00.oracle
 - ◆ SQL Server
 - RateManager – IBRM
 - Latin1_General_BIN
 - DATABASE_BACKUP_IBRM_TEMPLATE_CASE_SENSITIVE.bak
 - SQL_Latin1_General_CP1_CI_AS
 - DATABASE_BACKUP_IBRM_TEMPLATE.bak
 - Security – IB_CLIENT
 - SQL_Latin1_General_CP1_CI_AS
 - DATABASE_BACKUP_IB_CLIENT_TEMPLATE.bak
 - SoftRater – IBSR
 - Latin1_General_BIN
 - DATABASE_BACKUP_IBSR_TEMPLATE_CASE_SENSITIVE.bak
 - SQL_Latin1_General_CP1_CI_AS
 - DATABASE_BACKUP_IBSR_TEMPLATE.bak
 - Update:Usp_IBSR_v04.05.00.sql
 - **IE7_IE8 Users**
 - ◆ Insbridge IE7 Active X Control Update PDF
 - ◆ RateManager_IE7_IE8.exe
 - **Oracle BI Publisher**
 - ◆ OBI_PUBLISHER.exe
 - **Oracle Client**

- ◆ Oracle_client.exe
- **Oracle Insurance – Insbridge Rating and Underwriting.exe**

You will be required to run the installation file and create the IB_CLIENT database for any new installation. The other folders and files may not be needed, depending upon the kind of setup you want. Everything for a Windows only installation is in the **04.05.00-Insbridge-IBRU** folder. If you want to incorporate a Java environment, please download the corresponding SoftRater file. SoftRater downloads are not required if you are running in Windows only.

UPDATING AN INSBRIDGE APPLICATION

An update to the IBRU system is run from the **Oracle Insurance – Insbridge Rating and Underwriting.exe**. Unzip the IBRU folder on the machine where the IBRU system (IBFA and RateManager) is currently installed.

To update the IBRU system:

1. Run the IBRU application
2. Update the databases

After running the updates, please review the Preference settings.

If you are updating from 3.13.7 or previous, you may want to run the Migrate Files option.

STEP 1 – RUNNING THE IBRU APPLICATION

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

NOTE: *The installation program requires that the installer have administrator rights on the machine where the install is occurring.*

NOTE: *Please close all open applications before running the Oracle Insurance – Insbridge Rating and Underwriting file.*

2. Open the Oracle Insurance – Insbridge Rating and Underwriting file. A Welcome screen will be displayed.

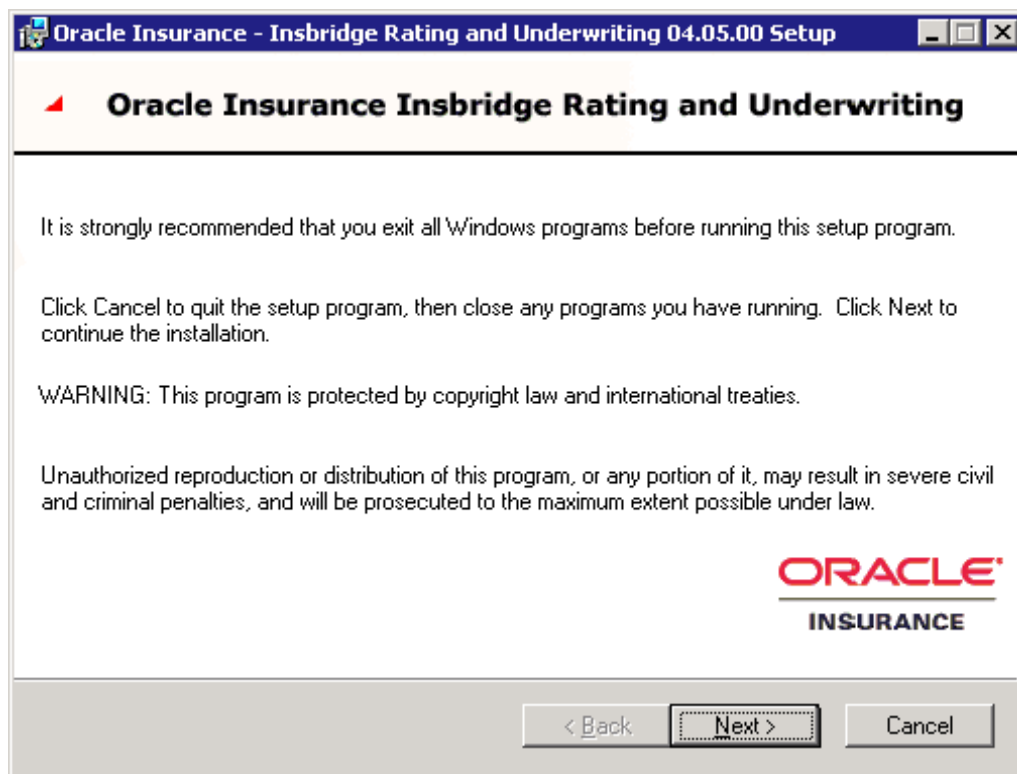


Figure 1 Installing Insbridge

3. Click on **Next** to continue.

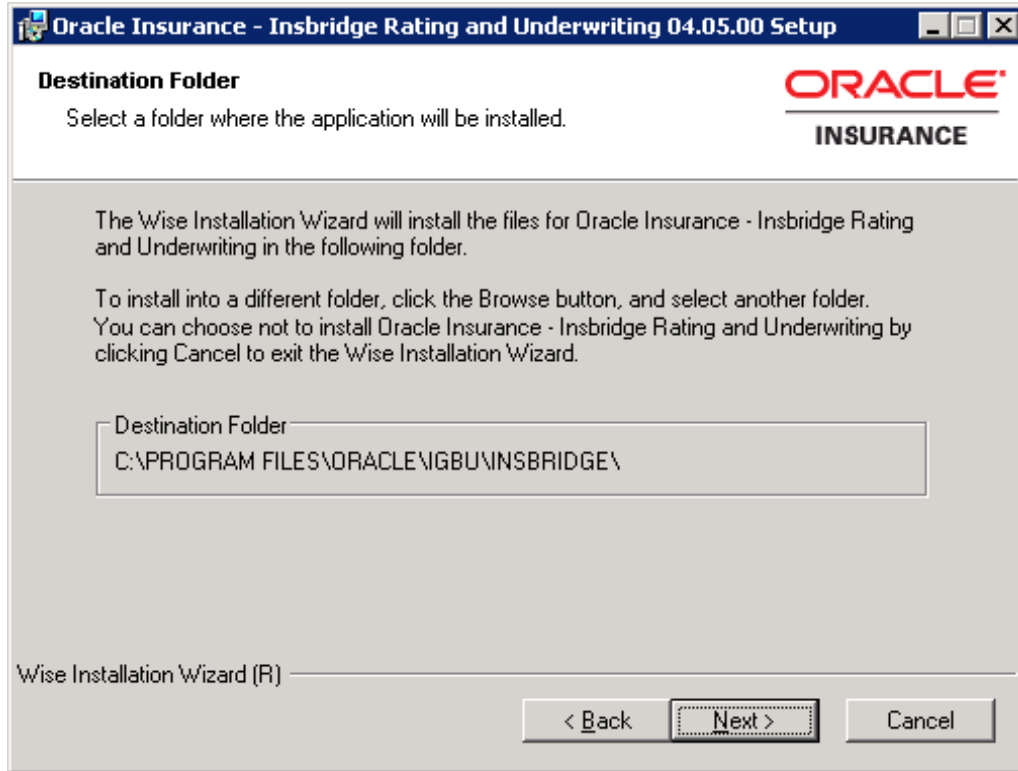


Figure 2 Destination Location for Update

4. The destination path will be displayed next. This is an information only screen. No changes will be allowed. Click **Next**.

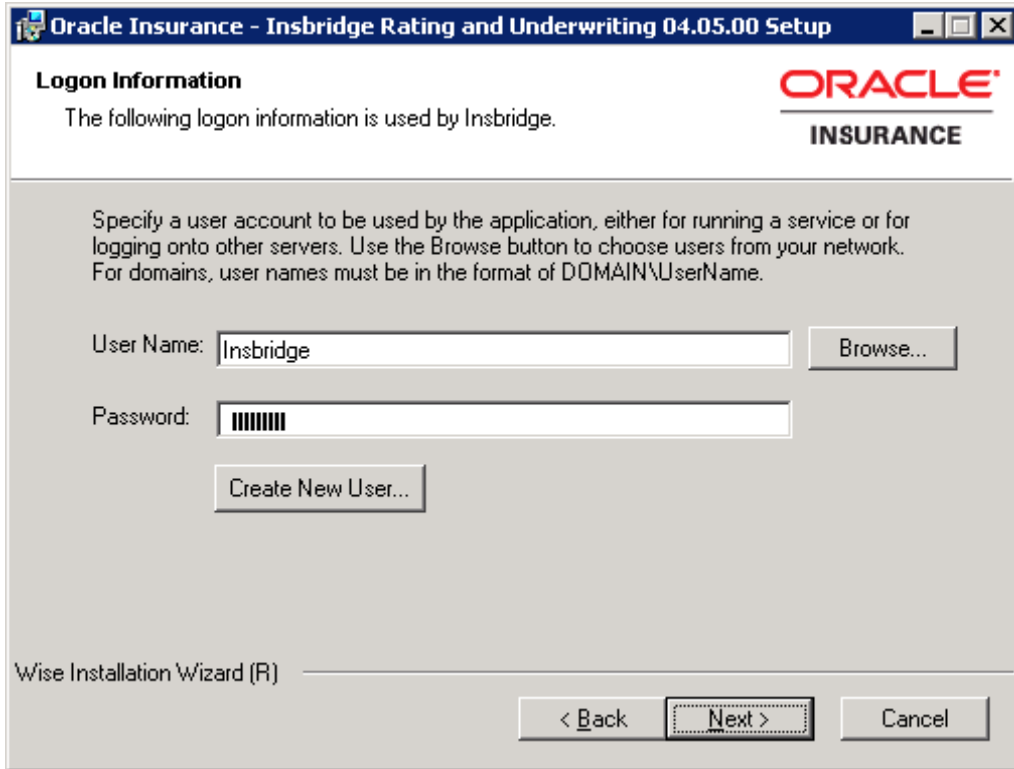


Figure 3 Entering User Information for Insbridge

5. The next screen is the Logon Information screen. Please use the Insbridge user account information that you set up for the initial installation. Click **Next** to continue.

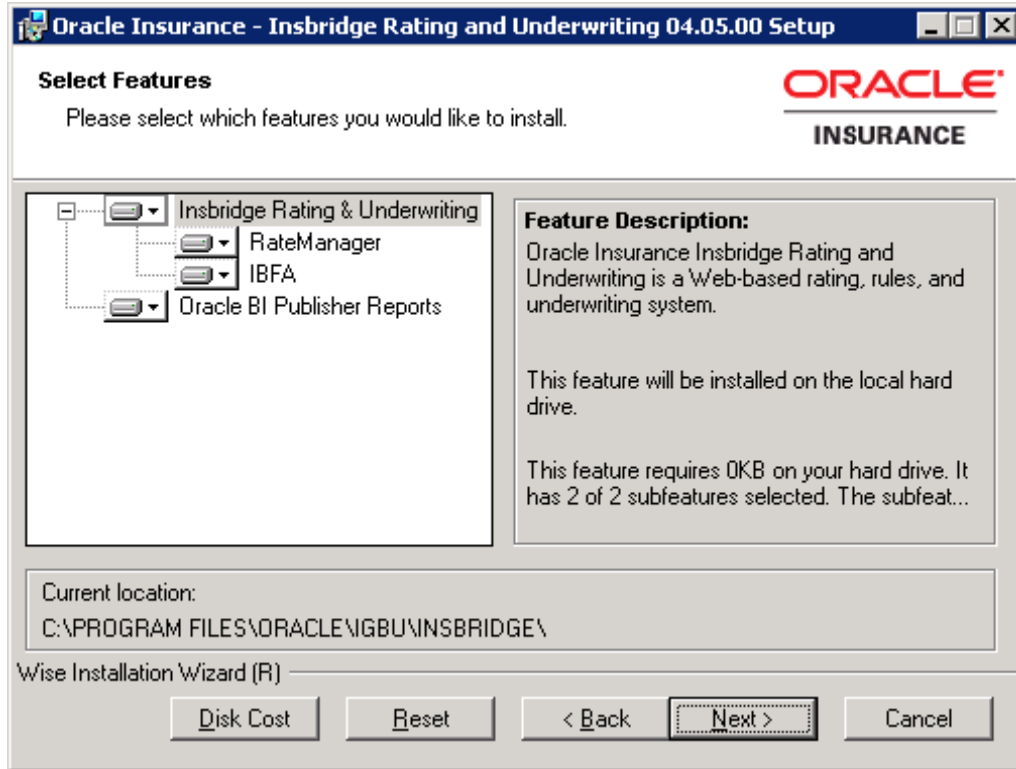


Figure 4 Selecting Features to Install

6. 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. Click **Next**.

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.
- **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.

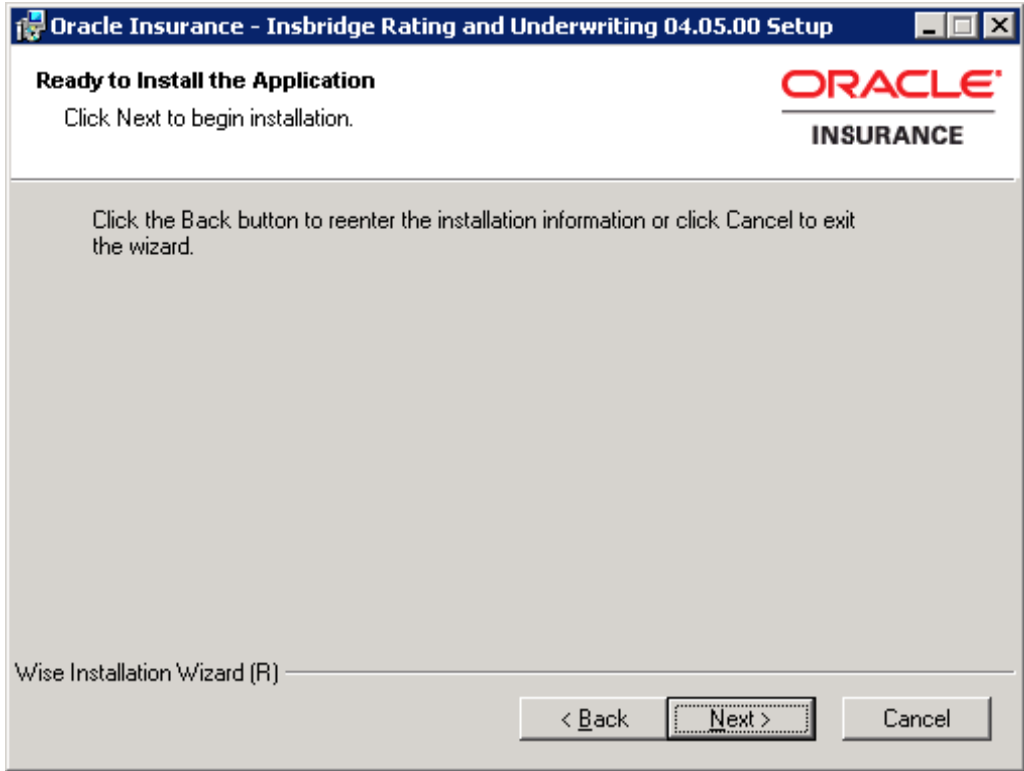
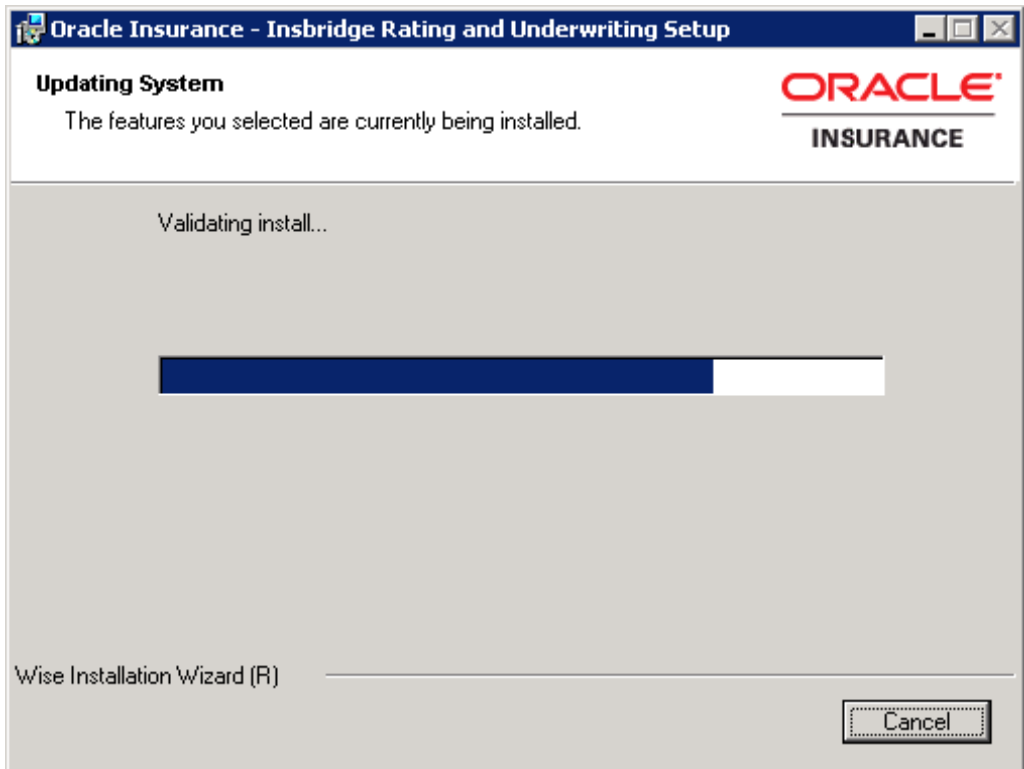
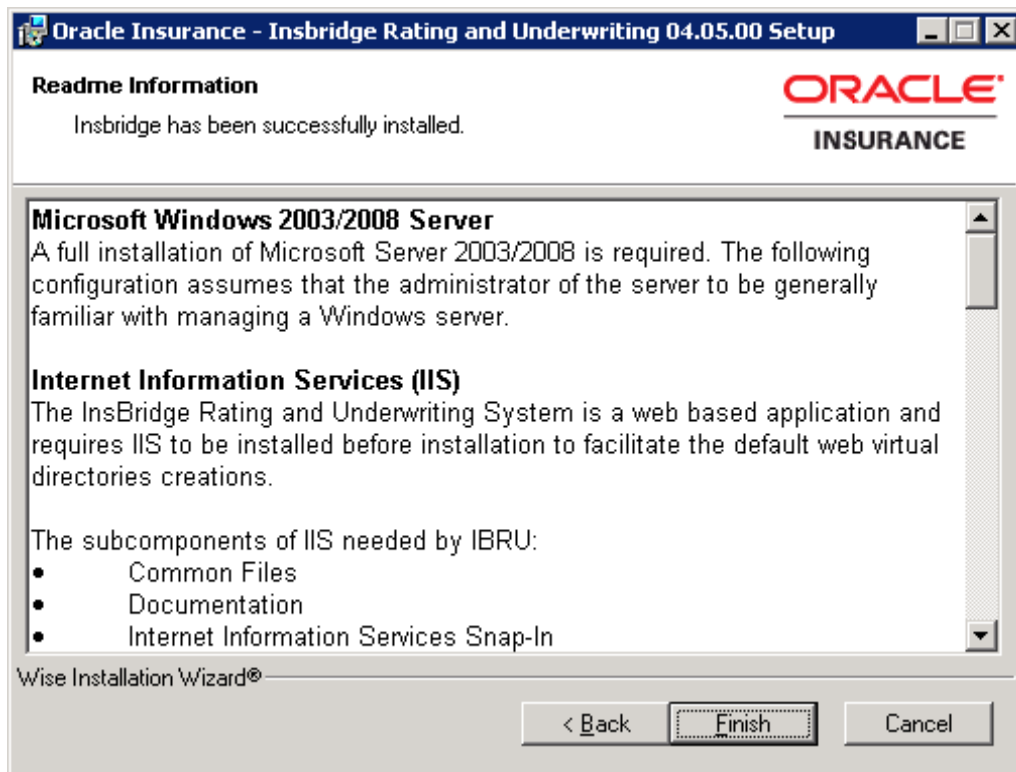


Figure 5 Ready to Install

7. 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.



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



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

NOTE: Any Insbridge services will be stopped during the update.

STEP 2 – UPDATING DATABASES

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

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

NOTE: *If you need to go from an older 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.*

NOTE: *SoftRater update scripts must be run manually. See Manual Updates to the IBRU Databases for more information.*

Updating Databases in RateManager

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.

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

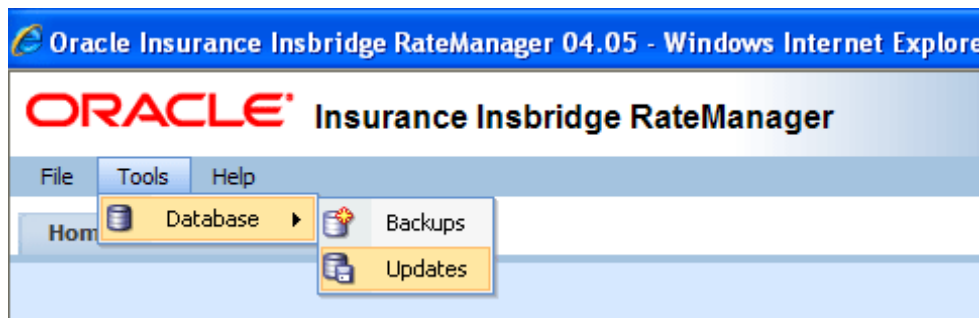


Figure 6 Tool Mandatory Update

1. Enter your username and password.
2. Navigate to the **Tools→Database→Updates**.

On the DB 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 03.13, you must run the 04.00 update, the 04.01 update and finally the 04.05.00 update. If you attempt to run an update that is more than one level above the current version, you will receive an error message.

3. The **Updates** tab will be displayed. Select the database you want to view from the **Show updates for** drop down. The database updates for your selection will be listed. The last column, the **Status** column, will show you which update is the **Current** one installed.

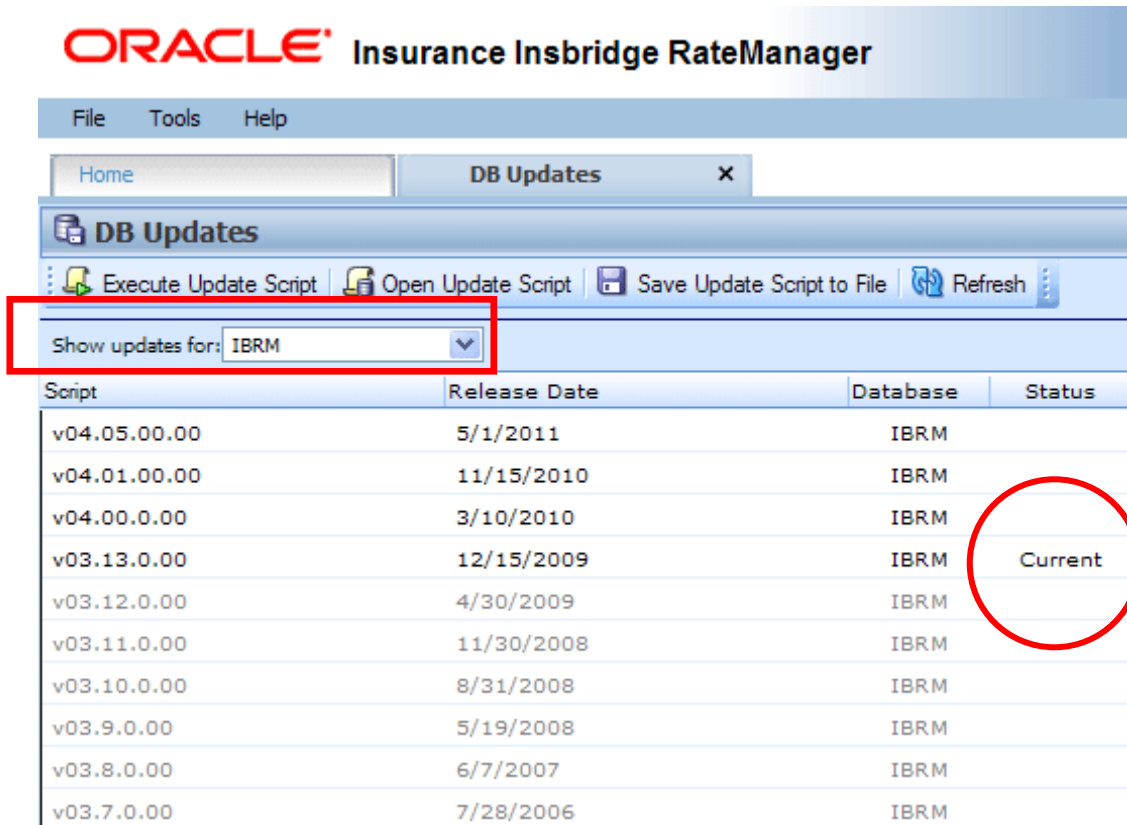


Figure 7 Available Updates

4. There are two ways to execute an update:
 - a. **Directly in RateManager**
 - b. **In SQL Server**

Directly in RateManager

This is recommended way to update a database. It is recommended that you start by selecting the update showing Current. This will assure that the database showing as Current will have all possible updates.

1. Highlight the update you want to run.
2. Click **EXECUTE UPDATE SCRIPT**. A warning message will be displayed.

3. Click **OK** to run the update or **Cancel** to return to the previous screen.
4. Do this for both the IBRM database and the IB_CLIENT database.

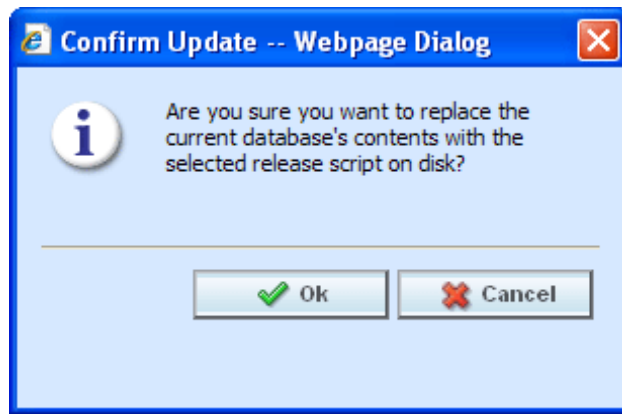


Figure 8 Updating Scripts in RateManager

In SQL Server

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**.

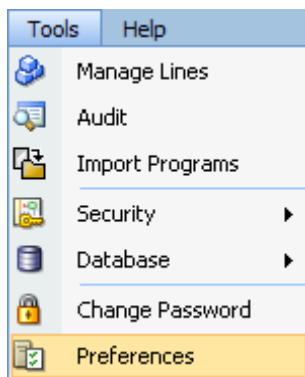
After you perform the database updates, to view all menu options, click File→Reload.

UPDATING PREFERENCES

Administrators can edit web settings at any time from the Preferences option in RateManager. Changes will take place after the user sessions have been ended. If web settings are changed while the users are inside the module, the change will not be visible to them. Prior to users accessing RateManager for the first time, it is recommended that Preferences be set.

To Change Settings

1. Select Tools→Preferences.



2. This will open the **Preferences** window. Select **Web Settings**.

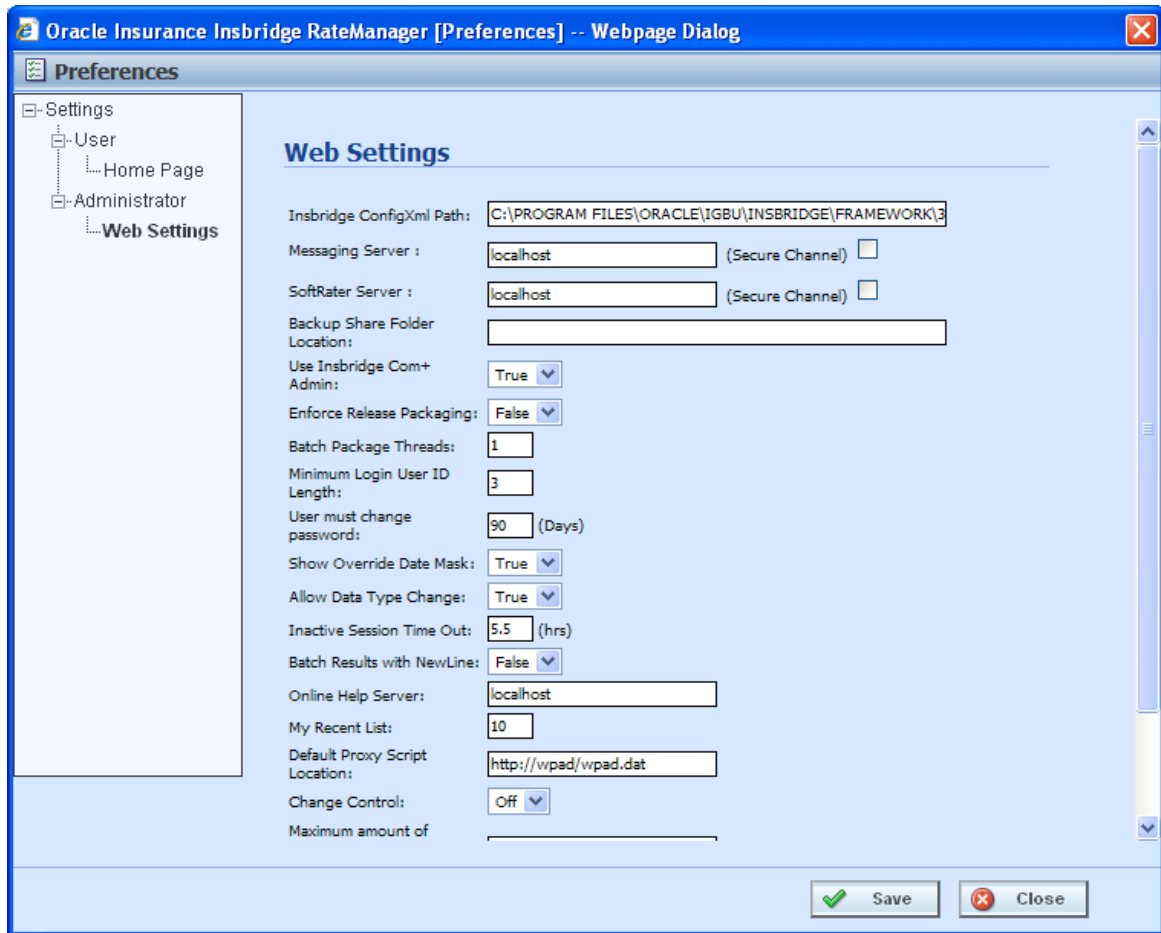


Figure 9 Preferences Settings

3. Make any necessary changes. If you do not know all the settings, you can come back and edit later at a later time. It is recommended that you update the **ONLINE HELP Server** immediately.
4. When you are finished, click **SAVE** to update your settings.

Web Settings

Insbridge ConfigXml Path

This is the path from IBFA. This pathway must match the IBFA path. You may need to change this path if you have changed the path in IBFA. Please contact Insbridge support for further information. It is strongly recommended that you leave the default.

Messaging Server

RateManager is set up to run batches on the same server that RateManager is located on. If you have an especially large batch to run and you want to batch to a different server, you will have to change server locations here. Unless necessary, it is strongly recommended that you leave the default.

SoftRater Server

If you need to rate on another server, you will have to change server locations here. It is strongly recommended that you leave the default.

Backup Share Folder Location

When you make backups of the RateManager database, you can specify the location of the backup file. If the location is local, you will use a local path. If the location is not local, you must be a disk admin to change.

Use Insbridge Com + Admin

This setting must always be true. If there is a conflict, please contact Oracle Insurance support.

Enforce Release Packaging

When set to **False**, a release is not required in order for users to create a SoftRater (full) package. False is the default setting.

If set to **True**, a release is required in order for a SoftRater (full) package to be created. If a user wants to create a SoftRater (full) package in the Program Explorer module, a release must be created in the Releases area first. This release must have the program added to it and be unlocked. When the user creates the SoftRater package in Program Explorer, they will have the option to select the Release they want this package to be placed into. If there is no release, or no release that contains that program and is unlocked, then the user will be able to do RateManager (local) packages only.

Batch Package Threads

RateManager allows you to change how many threads are used. Threading enables a process to finish faster by splitting the process into smaller processes that run quasi-simultaneously. On multiprocessor systems, using multiple threads enables the operating system to assign the threads to different processors.

In addition, the Framework Administrator also enables you to change the administrator email address for each client. When a process fails, an email will be sent to the person who initiated the process, as well as to the administrator email addresses listed for the client of that process.

NOTE: *Before changing the number of threads, you should consult with your system administrator. Setting the number too high can result in poor performance or even a system crash. If you are unsure of how many threads to use, set the number to 1. For single processor systems, Oracle Insurance recommends a maximum of 2 threads.*

Minimum Login User ID Length

This is the minimum number of characters required for a user ID.

User must change password

This where you set the number of days before a user is required to change his/her password. This setting will only be active when you elect to have users change their password on the user setup screen.

Show Override Date Mask

If enabled, a date mask for 'Date' data types will be displayed when importing a table. If not enabled, this field will not be visible.

Allow Data Type Change

The type of data associated with a parameter. RateManager supports three (decimal, integer and string) data types for variables and inputs and a fourth (date) for inputs and result variables only.

Setting this option to True will allow RateManager users change the data type of a variable or input. Setting this option to False will not allow users to change data types.

Inactive Session Time Out

This is the amount of time that a user sits inactive before being automatically logged out of the system.

Batch Results with New Line

Allows batch results to go to a new line instead of forming one continuous string. A True setting will place a carriage return between result files. A False setting will result in one continuous string without a break.

Online Help Server

Online help is installed with RateManager. This setting should be the server name where RateManager currently resides. Either a server name or an IP address can be entered here. If needed, you can change the name of the server. For example, if the machine name is not the same as the host name, you may need to change the name in order for online help to function.

Change Control

If change control is on, it will be mandatory for users to enter a change control entry and justification to any element or program when it is revisioned. If change control is off, the option will not be presented.

MIGRATE WORK FILES

This feature will migrate work files from previous versions of RateManger to release 4.5. Work files are rating, pricing, mapping and template files used in various areas of RateManager such as Impact Analysis, Library and Testing. Migrating files will allow users to access work files that were available in previous releases of RateManager. If you do not migrate work files from previous versions, users will not have access to them.

Work files should be migrated after the initial upgrade has been run, but can be run at any time after.

MIGRATING FILES

Prior to migrating files, please create backup copies of the files to be migrated. This will require access to the server were RateManager has been installed.

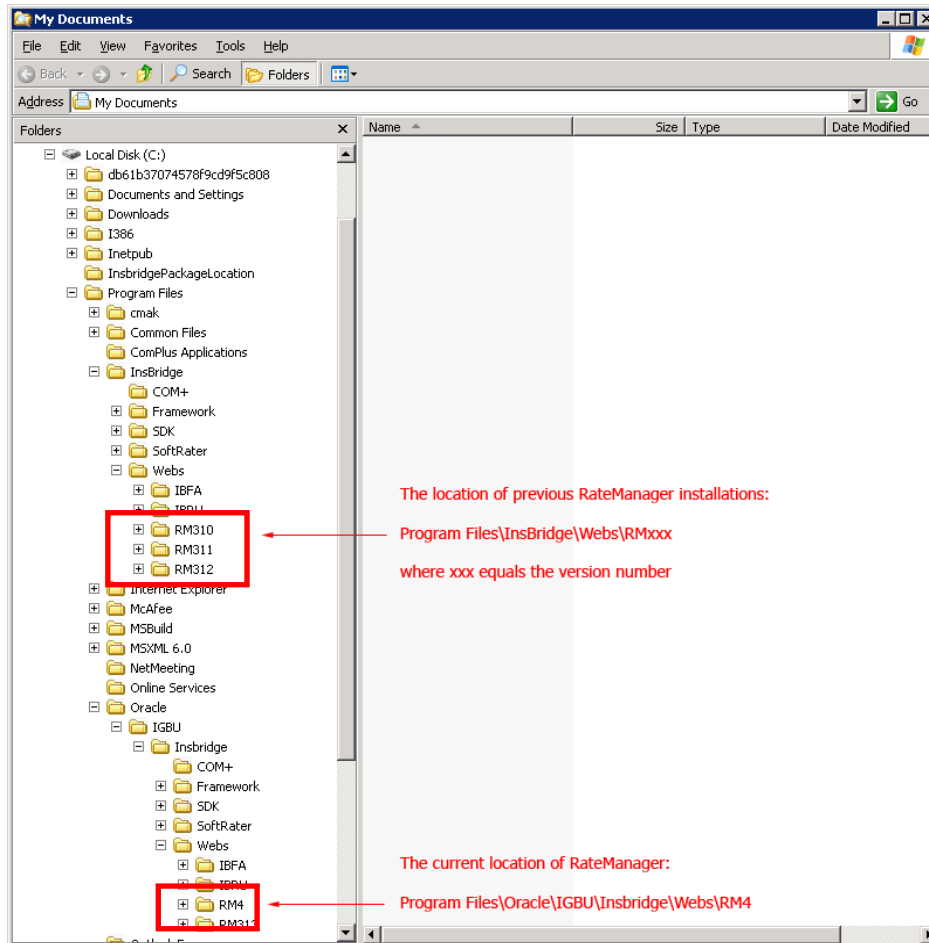


Figure 10 Location of WorkFiles

The location of the files to be migrated and the exact file name will depend upon what version of RateManager you want to migrate. There are two possible locations.

For Release 3.12 and earlier:

- **File Name:** WorkFiles
- **Location:** \Program Files\InsBridge\Webs\RMxxx\WorkFiles

Where xxx is the version number, i.e. 310, 311, 312

For Release 3.13:

- **File Name:** Workfiles
- **Location:** \Program Files\Oracle\IGBU\Insbridge\Webs\RM313\Workfiles

Copy all work files for every version to be migrated and store in a safe location. In the unlikely event that an error with the migration occurs, you will have backup files that you can place directly in the RateManager (RM4) Workfiles location or restore to the previous version.

Performing the Migration in RateManager

This migration process will move rating, pricing, mapping and template files from a previous version of RateManager to the current RateManager version. You can select the oldest version that you want to migrate. For example, if you have been running RateManager from version 3.10, you will have the option to select to migrate from version 3.10 and forward. You also can choose to migrate from version 3.12.

1. Select **Tools**→**Migrate Work Files**. A separate screen will be displayed.

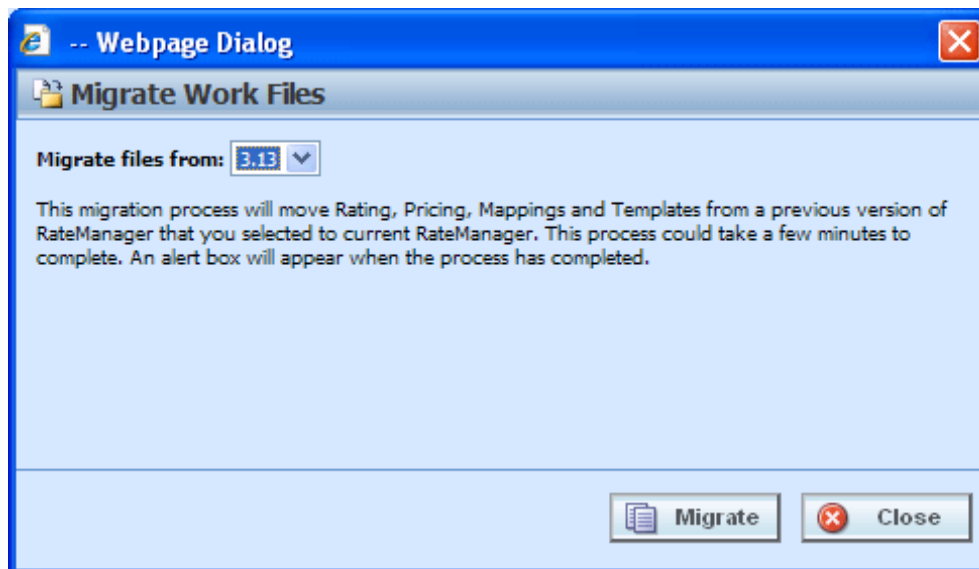


Figure 11 Migrating Work Files

2. RateManager will determine the possible versions to migrate. Select the oldest version you want to migrate. You do not have to select the oldest version available. You can

select a newer version. Only work files from the selected version and newer will be migrated.
Any version prior to the selected version will not have work files migrated.

3. Click **Migrate**.

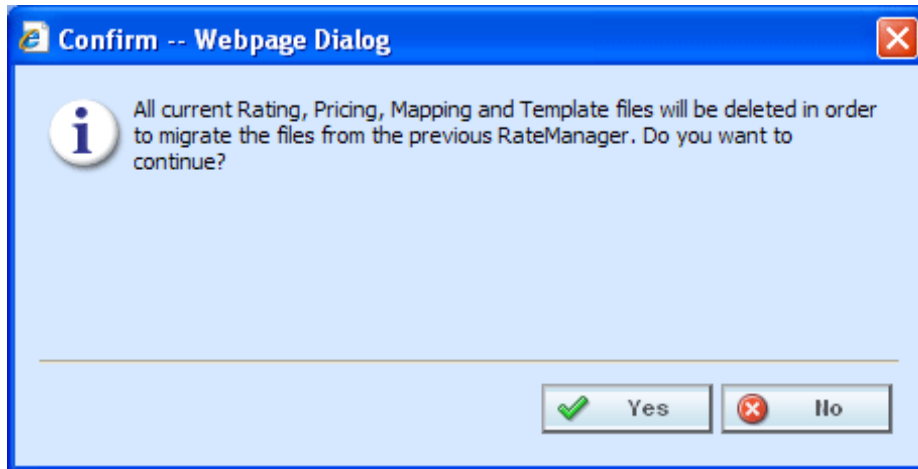


Figure 12 Confirming a Migration

4. Say **Yes** to migrate. If you are unsure about the action you want to take, click No to stop the migration process.

The migration will begin. This process could take a few minutes to complete. When all files have been migrated, an information notice will be displayed.

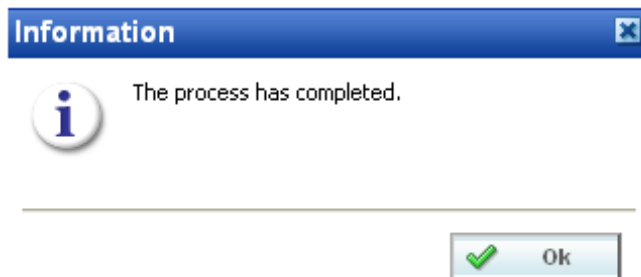


Figure 13 Successful Migration

5. Say OK to close the screen.

Verifying Migrated Files in RateManager

Migrated files will be available in the same areas.

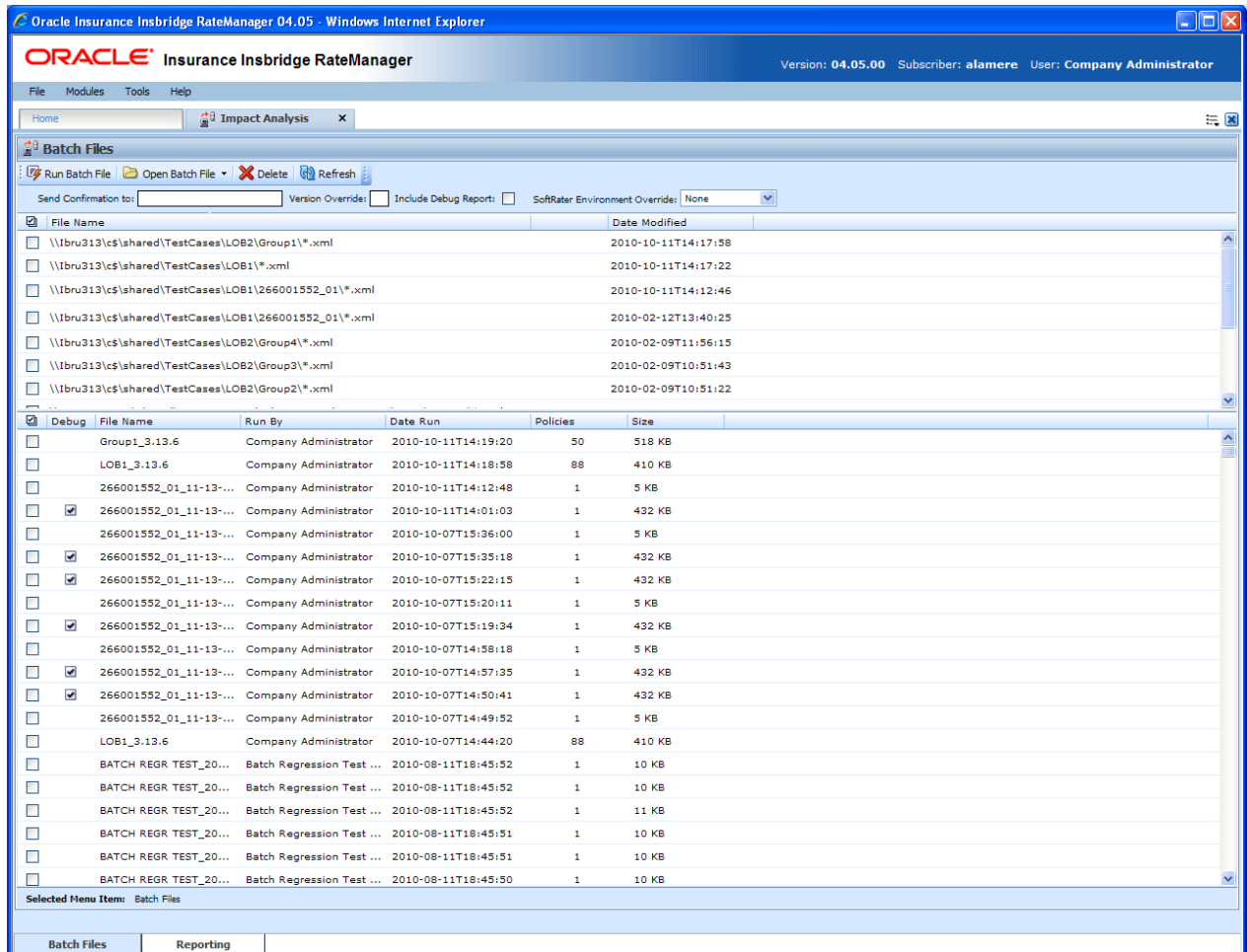


Figure 14 Verifying File Migration in RateManager

To verify that work files from a previous version have been migrated, enter an area where these files would be used, such as Impact Analysis.

The tab will refresh with all available files. Your files from previous versions will be listed.

Verifying the File Migration in the Server

Migrated files will be moved from previous releases into the updated RM4 Workfiles location.

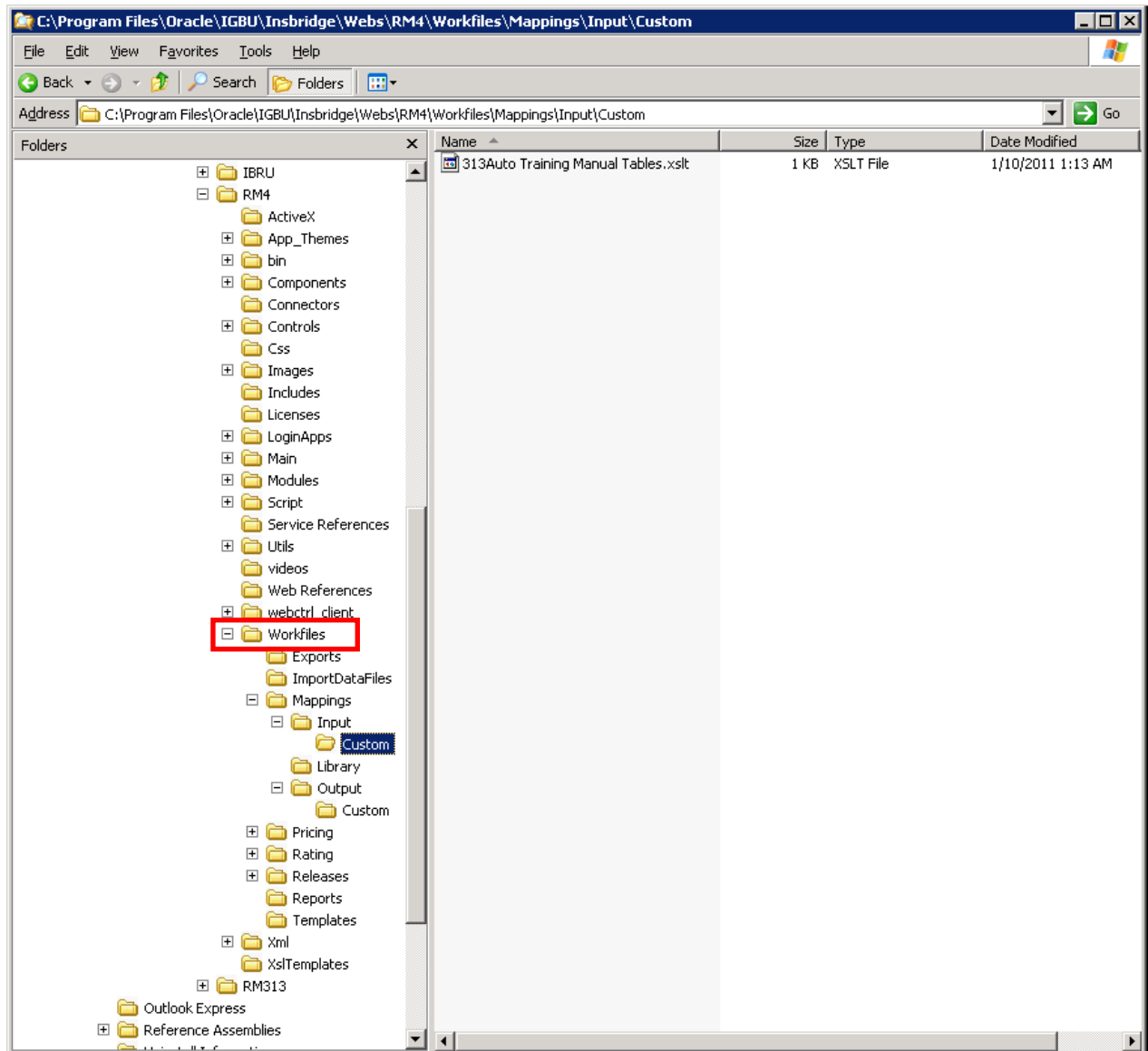


Figure 15 Verifying File Migration at Server Level

You can verify that files have been moved by looking in the \Program Files\Oracle\IGBU\Inbridge\Webs\RM4\Workfiles folder.

You also can verify that previous WorkFiles have been removed by looking in the prior WorkFile location on the server.

Workfiles only need to be migrated one time.

MANUAL UPDATES TO THE IBRU DATABASES

In the RateManager, Security, and SoftRater Database folders you will find the current database scripts. The RateManager and Security database update scripts will take previous IBRM and IB_CLIENT databases from **version 3.13 to version 04.05.00 only. To go from a lower version up to 04.05.00, you must enter RateManager.**

The IBSR database update will need to be run once, regardless of version, in the corresponding database. If you are updating from a release previous to 3.13, please see **Error! Reference source not found.** on page **Error! Bookmark not defined.**

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** tab. If these privileges are not in place, an error message will be displayed. See **Error! Reference source not found.** for instructions.

NOTE: *If you need to go from an older version, such as 3.11, it is strongly recommended that you enter RateManager and run the 3.12, 3.13, 4.0, 4.1 and 4.5 update scripts successively from there.*

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. A DBA or a person with the proper permissions will need to apply the database updates using Query Analyzer.

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 Update Script 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 R4.0 update would be: usp_IBRM_R040.sql. For IB_CLIENT scripts, it is recommended that you rename the file to usp_IB_CLIENT_R0(version number).sql. For example the R4.0 update would be: usp_IB_CLIENT_R40.sql.
3. 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.

```

-----
-- Constraint
-- foriegn Key
IF NOT EXISTS(SELECT * FROM sys.indexes WHERE object_id = OBJECT_ID(N'[dbo].[
TYPES_DATA]') AND name = N'PK_DS_TYPES_Q')
    print 'Missing [dbo].[PROGRAMS] Foreign Key [PK_DS_TYPES_Q]'
    GO
IF not EXISTS (SELECT * FROM sys.foreign_keys WHERE object_id = OBJECT_ID(N'[dbo].
[FK_PROGRAMS_SYSTEM_COUNTRIES]') AND parent_object_id = OBJECT_ID(N'[dbo].
[PROGRAMS]'))
    print 'Missing [dbo].[PROGRAMS] Foreign Key [FK_PROGRAMS_SYSTEM_COUNTRIES]'
    GO
IF not EXISTS (SELECT * FROM sys.foreign_keys WHERE object_id = OBJECT_ID(N'[dbo].
[FK_IMPORT_PROGRAM_VALUE_IMPORT_PROGRAM]') AND parent_object_id = OBJECT_ID(N'[dbo].
[IMPORT_PROGRAM_VALUE]'))
    print 'Missing [dbo].[IMPORT_PROGRAM_VALUE] Foreign Key
[FK_IMPORT_PROGRAM_VALUE_IMPORT_PROGRAM]'
    GO
if NOT exists (select * from dbo.sysobjects where id = object_id(N'[dbo].
[FK_IMPORT_TEMPLATE_PROGRAMS]') and OBJECTPROPERTY(id, N'IsForeignKey') = 1)
    print 'Missing [dbo].[IMPORT_TEMPLATE] Foreign Key
[FK_IMPORT_TEMPLATE_PROGRAMS]'
    GO
if NOT exists (select * from dbo.sysobjects where id = object_id(N'[dbo].
[FK_PROGRAM_VERSIONS_PROGRAMS]') and OBJECTPROPERTY(id, N'IsForeignKey') = 1)
    print 'Missing [dbo].[PROGRAM_VERSIONS] Foreign Key
[FK_PROGRAM_VERSIONS_PROGRAMS]'
    GO
IF NOT EXISTS (SELECT * FROM sys.foreign_keys WHERE object_id = OBJECT_ID(N'[dbo].
[FK_LOOKUPVARS_PROGRAMS]') AND parent_object_id = OBJECT_ID(N'[dbo].[LOOKUP_VARS]'))
    print 'Missing [dbo].[LOOKUP_VARS] Foreign Key [FK_LOOKUPVARS_PROGRAMS]'
    GO
IF NOT EXISTS (SELECT * FROM sys.foreign_keys WHERE object_id = OBJECT_ID(N'[dbo].
[FK_INSTRUCTIONS_GROUPS_PROGRAMS]') AND parent_object_id = OBJECT_ID(N'[dbo].
[INSTRUCTIONS_GROUPS]'))
    print 'Missing [dbo].[INSTRUCTIONS_GROUPS] Foreign Key
[FK_INSTRUCTIONS_GROUPS_PROGRAMS]'
    GO

```

Figure 16 Script Viewer

4. If this is the script you want to run, open **Query Analyzer** in SQL Server.

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

NOTE: *When using Database Engine Query, the SQL scripts must run on each individual database.*

5. **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 R3.13 to 04.05.00, open 4.0 first.

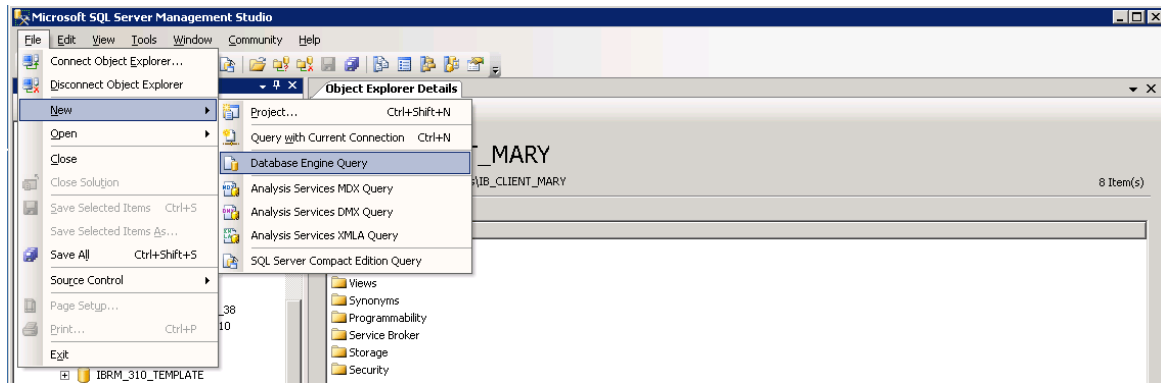


Figure 17 Updating Database

6. Select the database you want. 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. You must run the updates in sequential order. Run each update until you run the 04.05.00 update. Then continue on to the next database.
10. 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**.
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 04.05.00 update. Then continue on to the next database.
14. 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**.
15. The query screen will be displayed on the right hand side.
16. Copy the first update from Notepad and paste onto the query screen.
17. 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 04.05.00 update. Then continue on to the next database.
18. 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.

CONTACTING SUPPORT

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

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Index

A

Administration

Allow Data Type Change	24
Backup Share Folder Location.....	23
Batch Package Threads.....	23
Batch Results with New Line	24
Change Control.....	24
Enforce Release Packaging.....	23
Inactive Session Time Out.....	24
Messaging Server	22
Minimum Login User ID Length	23
Online Help	24
Show Override Date Mask.....	24
SoftRater Server	23
Use Insbridge Com + Admin.....	23
User Must Change Password	24

Administration Section

Online Help Settings	24
Setting Options	22

Allow Data Type Change

Admin	24
-------------	----

B

Backup Share Folder Location

Admin	23
-------------	----

Batch Package Threads

Admin	23
-------------	----

Batch Results with New Line

Admin	24
-------------	----

C

Change Control

Admin	24
-------------	----

Changing

Administrator Email.....	23
--------------------------	----

E

E-Delivery

IBRU.....	8
Required Programs.....	9

Editing

Web Config Settings	21
---------------------------	----

Edition Notice.....	2
---------------------	---

Email

Changing Administrator.....	23
-----------------------------	----

Enforce Release Packaging

Admin	23
-------------	----

Execute Update Script.....	19
----------------------------	----

F

Framework Administrator

Administrator Email	23
---------------------------	----

H

HKEY_LOCAL_MACHINE/SOFTWARE/Ins

bridge	29
--------------	----

I

IBRU	5
------------	---

E-Delivery.....	8
-----------------	---

Inactive Session Time Out

Admin	24
-------------	----

Insbridge Services

Stopped.....	17
--------------	----

Installation Program

Requirements.....	12
-------------------	----

Installer

Admin Rights for Installation	12
-------------------------------------	----

M

Messaging Server

Admin	22
-------------	----

Minimum Login User ID Length

Admin	23
-------------	----

O

Online Help

Admin	24
-------------	----

Online Help settings

Administration Section	24
------------------------------	----

Overview

Package	6
---------------	---

Threading.....	23
----------------	----

P

Package

Environment	6
Overview	6
Part Numbers	
E-Delivery	9
PDF Reader	
E-Delivery	9

R

<i>Requirements</i>	
<i>Installation Program</i>	12
Running	
Database Updates	18

S

Script	
Executing Update	19
Viewing Update	30
Setting Options	
Administration Section	22
Settings	21
Administration	21
Editing Web Config	21
Thread	23
Show Override Date Mask	
Admin	24
SoftRater Packages	
Environments	6
SoftRater Server	
Admin	23
SQL Scripts	
Query Analyzer	31

T

<i>Thread</i>	
Settings	23
Threading	
Overview	23

U

Unzip Utility	
E-Delivery	9
Update	
Web Config Settings	22
Updates	
Running	18
Viewing	18
Use Inbridge Com + Admin	
Admin	23
User Must Change Password	
Admin	24

V

VFS Definition	6
Viewing	
Database Updates	18
Virtual File Server Definition	6

W

Web Config	
Editing Settings	21