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Oracle Insurance

Insbridge Rating and Underwriting

SoftRater for WebSphere Installation Guide

Release 4.5

May 2011

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Oracle Insurance Insbridge Rating and Underwriting SoftRater for WebSphere Installation Guide

Release 4.5

Part # E22926-01

Library # E22944-01

May 2011

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PREFACE

Welcome to the *Oracle Insurance Insbridge Rating and Underwriting SoftRater for WebSphere Installation Guide*. SoftRater for WebSphere is an EJB application that can be installed on an IBM WebSphere Application Server. SoftRater is the multi-platform rating engine component within the Insbridge Rating and Underwriting System (IBRU) that executes the rating and underwriting instructions as defined by the user in RateManager.

The Insbridge SoftRater Server (IBSS) is the container for all Insbridge web components including the SoftRater Engine. All independent Insbridge components will be contained in the SoftRater Server.

PLANNING YOUR IBRU SYSTEM

Prior to installation, you should have an idea of the type of setup you want to create. What kind of equipment do you have available and how many environments do you need? If you do not have everything completely planned out, you can still proceed. Environments can be removed or added later on. The Oracle Insurance Insbridge Rating and Underwriting system (IBRU) is expandable and can accommodate a few different configurations.

For more on planning your IBRU system, please see the Insbridge Planning Guide.

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 is for a Full SoftRater Installation on a Java Machine.

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.

AUDIENCE

This guide is intended for technical personal, such as installers, system administrators and others tasked with configuring SoftRater that would be involved in the maintenance and operation of SoftRater or RateManager. The audience for this guide should have a thorough knowledge of WebSphere.

RELATED DOCUMENTS

For more information, refer to the following Oracle resources:

- The Oracle Insurance Insbridge Rating and Underwriting Framework Administrator.
- The Oracle Insurance Insbridge Rating and Underwriting SoftRater Server Guide.
- You can view these guides in-line at this address:

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

CONVENTIONS

The following text conventions are used in this document:

Convention	Description
bold	Boldface type indicates graphical user interface elements associated with an action.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
`monospace`	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Manual History

New editions incorporate any updates issued since the previous edition.

Edition	Publication Number	Product Version	Publication Date	Comment
1st Edition	P01-706-01			
2nd Edition	P01-706-02	V 3.5		
3rd Edition	P01-706-03	V 3.6	03/14/2006	Update 3.6
4th Edition	P01-706-04	V 3.6	08/09/2006	Update logo
5th Edition	P01-706-05	V 3.7	10/05/2006	Update to 3.7
6th Edition	P01-706-06	V 3.8	7/19/2007	Update to 3.8
7th Edition	P01-706-07	V 3.8.3	10/19/2007	Update to 3.8.3
8th Edition	P01-706-08	V 3.8.5	November 2007	Update to 3.8.5
9th Edition	P01-706-09	V 3.8.7	January 2008	Update to 3.8.7
10th Edition	P01-706-10	V 3.8.8	March 2008	Update to 3.8.8
11th Edition	P01-706-11	V 3.9	May 2008	Update to 3.9
12th Edition	P01-706-12	V 3.10.0	September 2008	Update to 3.10
13th Edition	P01-706-13	V 3.11	December 2008	Update to 3.11
14th Edition	P01-706-14	V 3.12	July 2009	Update to 3.12
15th Edition	P01-706-15	V 3.13	November 2009	Update to 3.13
16th Edition	P01-706-16	R 4.0	April 2010	Update to 4.0
17th Edition	P01-706-17	R 4.0.1	August 2010	Update Release
18th Edition	P01-706-18	R 4.1	December 2010	Update Release
19th Edition	P01-706-19	R 4.5	May 2011	Update Release

Chapter 1

SYSTEM REQUIREMENTS

For minimum operating system and hardware requirements, please see the Hardware Software requirements guide.

Prior to creating a new SoftRater environment, please have ready:

- **Full WebSphere installation**
- **Database name or Environment name**
- **Database login information**
- **Database server name, either IP or DNS**
- **Database DDL, updates or backup files for the database you want to utilize. These files are located in the 04.05.00 Insbridge IBRU folder.**
- **If utilizing Oracle or DB2, DB Catalog name**
- **If utilizing Oracle or DB2, DB Schema name**
- **Subscriber ID**
- **Access to the server where the IBRU system was installed**
- **URL of the current IBFA**
- **Package location where you want the packages stored**

These components will be needed at various times during the installation and implementation of SoftRater for WebSphere.

IBM WEBSPHERE 6.1

SoftRater for WebSphere has been installed and tested on IBM WebSphere Advanced Server version 6.1.

LOCATING THE CONFIGURATION FILES

We suggest creating a C:\Insbridge\config folder but you may use any folder name you want and you can place the folder any where you want. This folder will hold the necessary files for the SoftRater for WebSphere installation. Take note of the location and make sure you have created this folder prior to running the installation.

NOTE: *For the purposes of this guide, the location will be referred to as C:\Insbridge\config.*

The SoftRater for WebSphere zip file contains an XML file and an .EAR file inside.

- **IBSS_WS.ear**
- **Insbridge.net.softraterconfig.xml**

Place these files in the C:\Insbridge\config folder. Once you have these files in place, do not move them.

DATABASE USER ROLES AND PERMISSIONS

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

Recommended SoftRater Permissions:

The recommended permissions are required for new tables to be created in the SoftRater (IBSR) database dynamically when or if a new line of business SRP (SoftRater Package) is loaded to the SoftRater system. If the recommended permissions are not possible, manual steps will need to be performed that will allow for packages to be loaded.

SoftRater can utilize three database types, SQL Server, Oracle and DB2.

- **Insbridge SoftRater SQL Server Database**.

  It is recommended that the Insbridge login be granted permission to connect to the database engine and be enabled. It is also recommended that the Insbridge login be mapped to the Insbridge database with the db_owner role checked.

- **Insbridge SoftRater Oracle Database**.

  It is recommended that the Insbridge user be granted, as defaults, the "CONNECT" and "RESOURCE" Roles.

- **Insbridge SoftRater DB2 Database**.

  It is recommended that the Insbridge user be granted "Connect to database", "Create Tables", "Create packages" authorities.

Manual steps will be detailed out in the areas where they will be noticed.

MICROSOFT SQL SERVER

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

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, the databases can be placed on a separate SQL Server machines that can either be independent or shared as long as the following conditions are met.

- **Server Authentication:** Should be set to SQL Server and Windows Authentication mode.
- **Collation and Sort Order:** Currently supported is the default SQL Server collation using SQL_Latin1_General_CP1_CI_AS and sort order plus case sensitivity using Latin1_General_BIN as the server collation. The security database (IB_CLIENT) supports the default SQL Server collation using SQL_Latin1_General_CP1_CI_AS. The RateManager and SoftRater databases can use either case sensitive or non-case sensitive. Please check with Oracle Insurance for any questions regarding database server sort orders or collations.

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

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**

The SoftRater for WebSphere version 04.05.00 zip file will contain:

- The 04.05.00-insbridge-was-eng Folder, which contains:
  - IBSS_WS.ear file
  - Insbridge.net.softraterconfig.xml

License files are no longer required.

SoftRater can be installed any time after the Insbridge Framework Administrator and RateManager have been installed. SoftRater must be installed prior to any users creating packages. Please note, all folders and files may not be needed, depending upon the kind of setup you want.

Chapter 2

INSTALLATION PROCEDURES – UTILIZING A SQL SERVER DATABASE

The following is a check list of the installation steps needed to perform a NEW SoftRater for WebSpheres Installation:

1. Create INSBRIDGE_APP_DIR in Name Space Bindings
2. Installing the EAR File
3. Setting up Insbridge.net.softrater.xml Config File
4. Assigning the Shared Insbridge Libraries
5. Creation of the IBSR databases is next.
6. Create a WebSphere entry in IBSS.
7. Create a WebSphere entry in IBFA

Step 1: Create INSBRIDGE_APP_DIR in Name Space Bindings

SoftRater uses an XML configuration (insbridge.net.softraterconfig.xml) file to store information in the configured rating environments. This file needs to be accessible to the Insbridge Rating and Underwriting SoftRater Server (IBSS) in order to operate. The location to define where the config file is located is stored using a Name Space Binding string in the WebSphere server configuration.

1. To create the INSBRIDGE_APP_DIR string, from the WebSphere Admin console, browse to the following location:

   Environment → Naming → Name Space Bindings

2. Change the scope to the **Server** level by selecting it and click **Apply**.

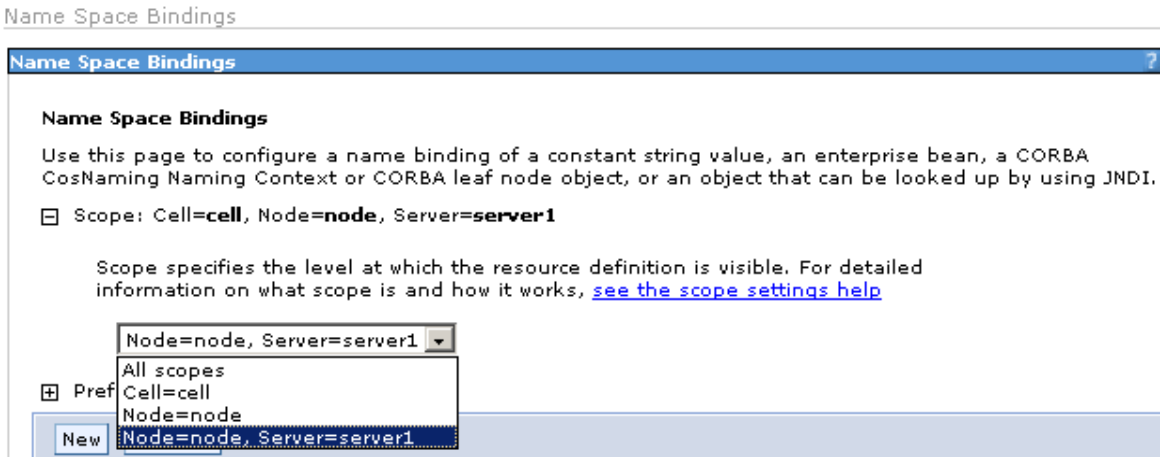


Figure 1 Changing Scope to Server

3. Once you have changed to the server level, click **New**.

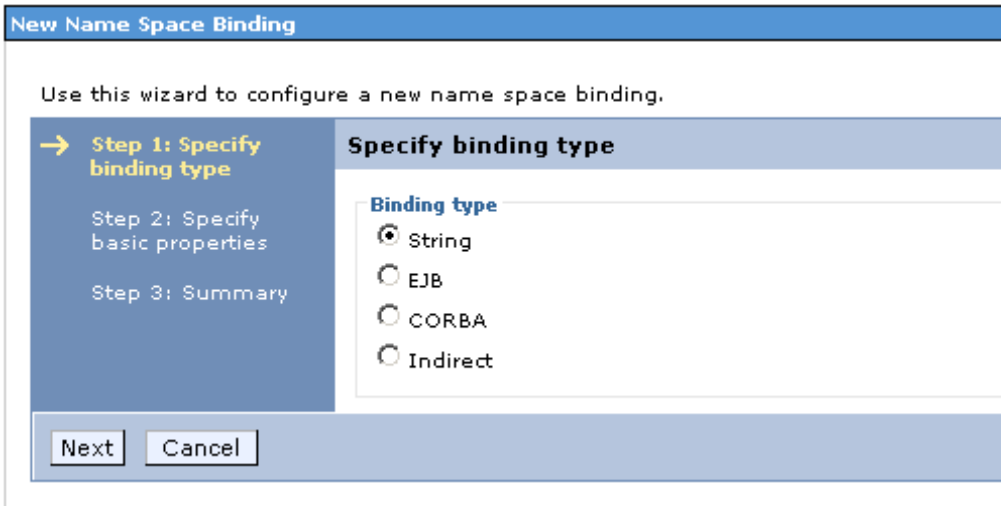


Figure 2 Creating a New Name Space

4. Select String and then click **Next**.

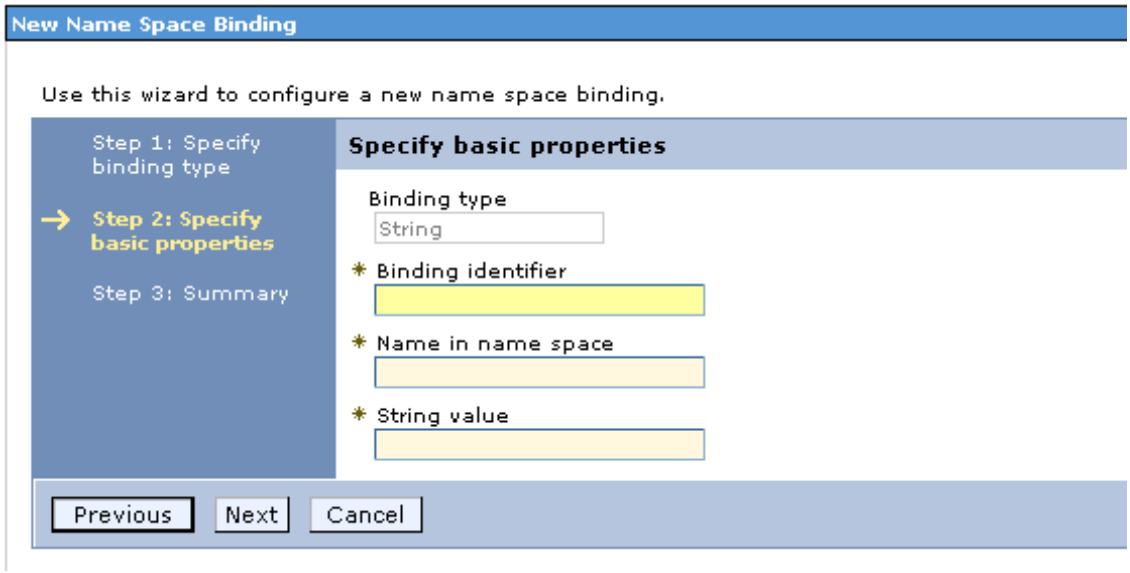


Figure 3 Create Name Space Binding

5. Create a Name Space Binding and Binding Identifier at the server level called INSBRIDGE_APP_DIR. The actual string value is the directory path location where the insbridge config file will be located relative to the WebSphere server.

6. Then select **Next** and **Finish**. Save to the master configuration.

CREATE AN INSBRIDGE SHARED LIBRARY FOR DB2

If you are utilizing a DB2 database, you must create an Insbridge shared library. If you are not using DB2, you can proceed to Installing the EAR file (IBSS_WS.ear).

The Insbridge SoftRater for WebSphere uses a shared library to contain the DB2 information. The JAR file must be copied to the WebSphere Application Server. The DB2 JAR file should be in your DB2 installation folder java directory. You may also download this file from IBM directly.

To create the shared library from the WebSphere Admin console, browse to the following location:

Environment → Shared Libraries

By default, it should be at the Node scope. Change the scope to Node = node, Server = server1 by selecting it and then click **Apply** so that the screen looks similar to:

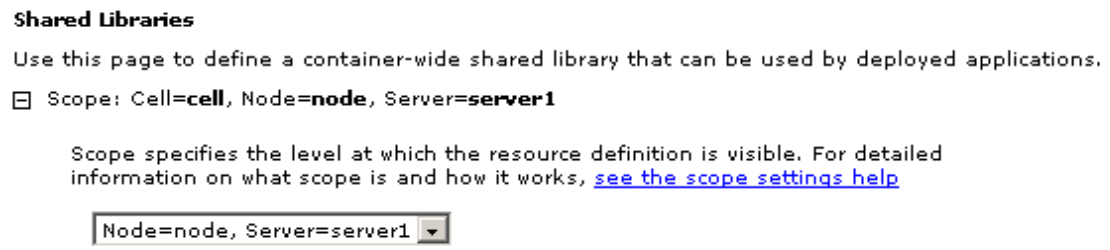


Figure 4 Creating a Shared Library

Click **New** and fill out the information as shown below.

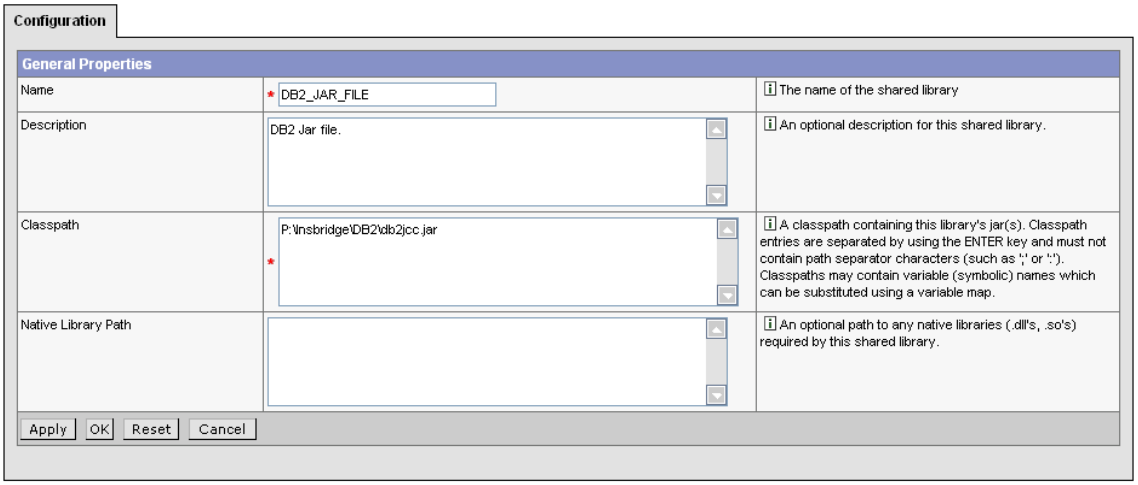


Figure 5 Creating DB2 Library

Click on **OK** and then **Save** to apply the changes to the master configuration.

NOTE: *The classpath is the location of the Insbridge\DB2\db2jcc.jar file on the WebSphere server. The share directory has to be wherever the drive is located.*

Step 2: Installing the EAR File

1. Log on to the Administrative Console ex: http://WAS_SERVER:9080/admin/.
2. Select Application → Install New Application.
3. Select the location from where to upload the EAR file (IBSS_WS.ear) and select **Next**.

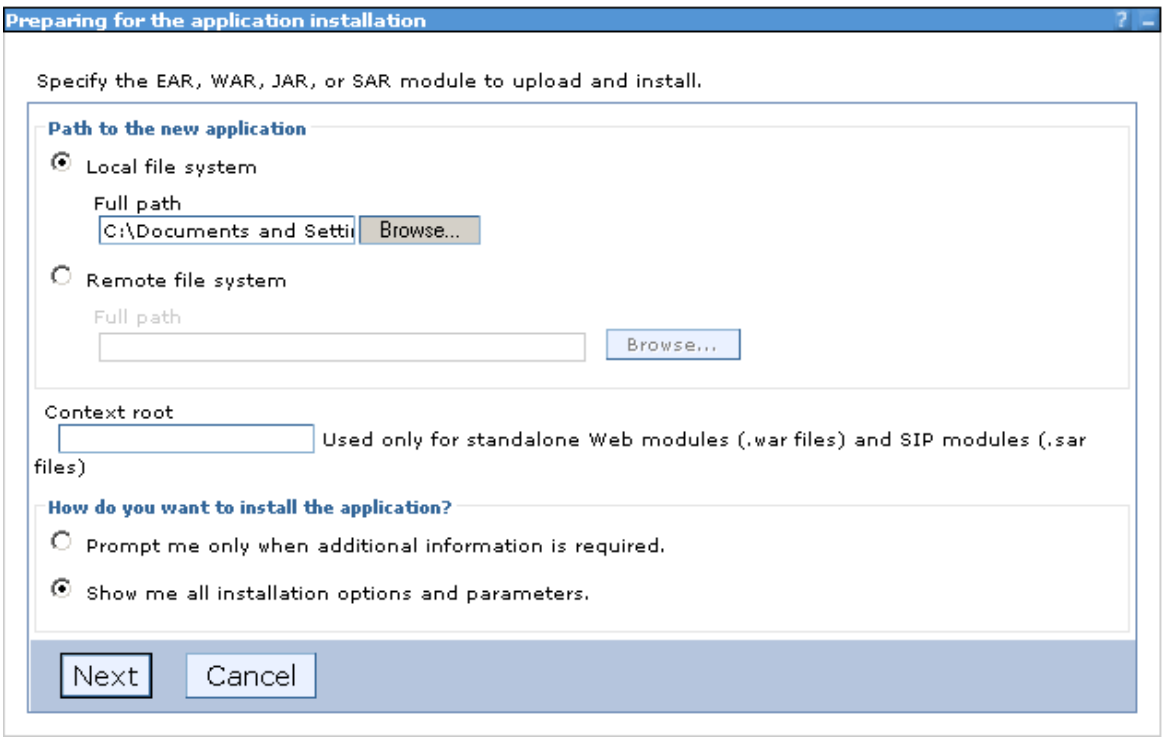


Figure 6 Installing the EAR File

4. Provide Options to suit your environment. We suggest selecting Pre-compile JSP for improved performance.

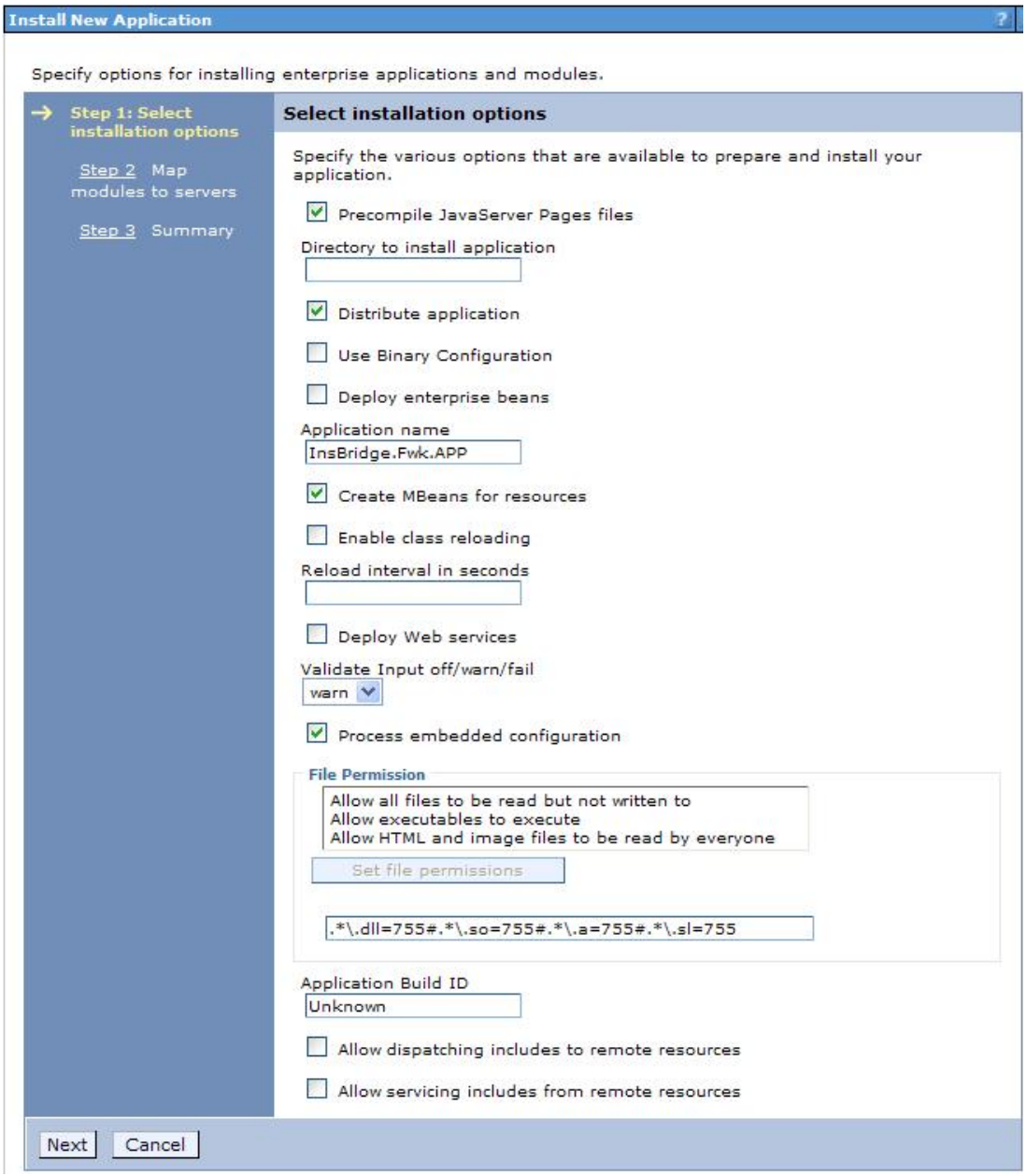


Figure 7 Providing Options

5. Click **Next** to continue.

NOTE: This screen will only be displayed if you selected "*Show all installation options and parameters*" on the first screen.

6. Map modules to application servers.

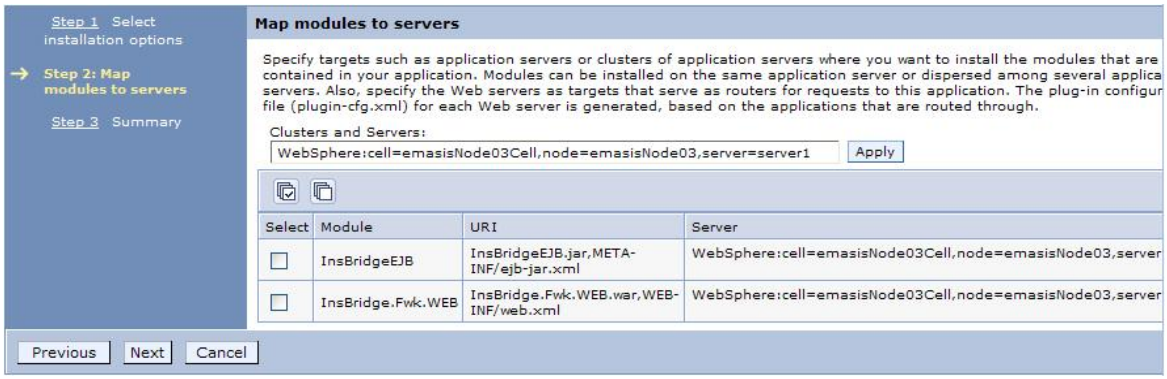


Figure 8 Mapping to Application Servers

7. Map Virtual Hosts.

8. Verify your selections on the Summary screen.

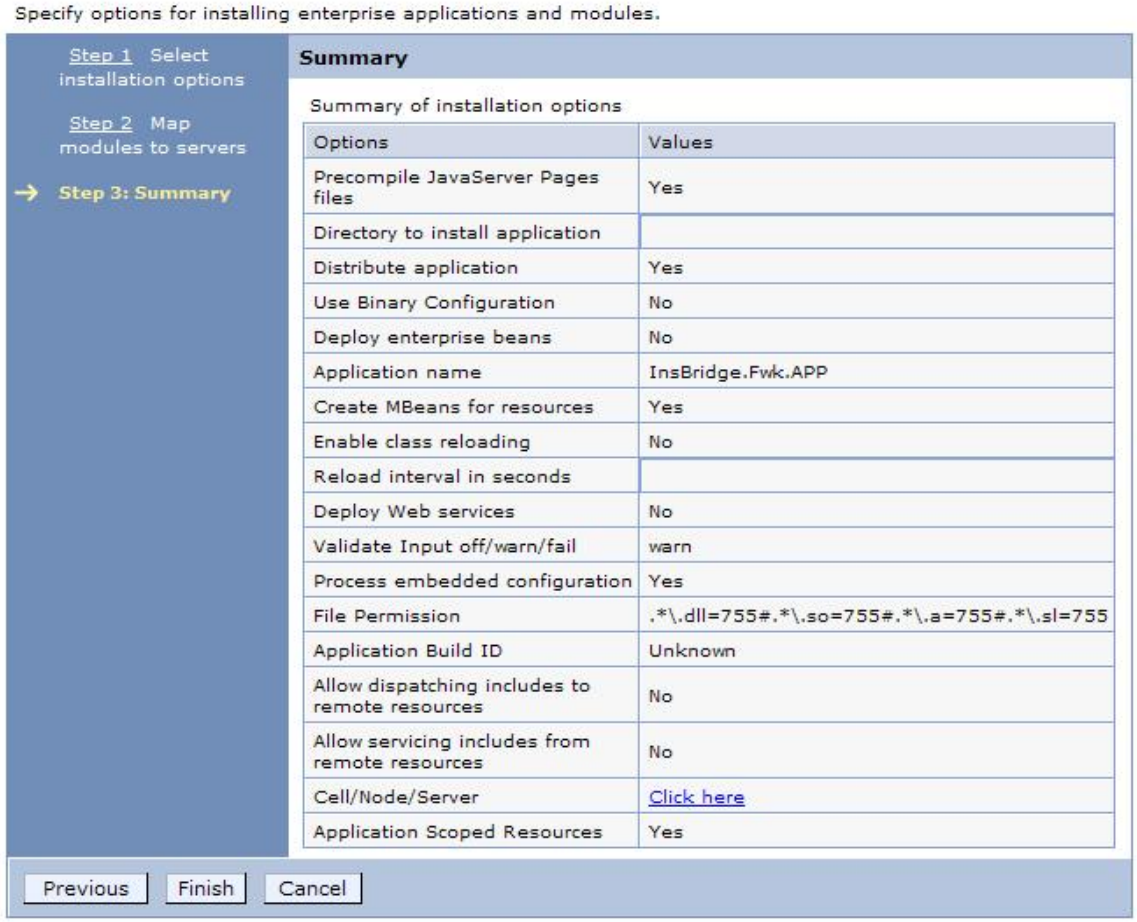


Figure 9 Summary

9. Select **Finish**. After installation, save to the master configuration.

Step 3: Setting up Insbridge.net.softrater.xml Config File

SoftRater requires a single configuration file "insbridge.net.softraterconfig.xml". After the EAR installation, a default setup copy of this file is in the "Insbridge.Fwk.APP" installation subdirectory. Before starting the configuration setup process, copy this default file to the following WebSphere setup folder to the INSBRIDGE_APP_DIR. All administrative setup options are saved in this file.

NOTE: *If the location is either not defined or not configured, then the SoftRater will default to the old legacy location of $WSAS_HOME\etc\insbridge folder to look for the configuration file.*

The location where the config file resides is defined by the INSBRIDGE_APP_DIR as created on page 14. This location can be anywhere on the server as long as the identity of the process running the WebSphere AppServer has access rights to the defined folder.

A default blank insbridge SoftRater config file is located under

$WAS_HOME/installedApps/NODENAME/IBSS_WS.ear/config.

Copy the insbridge.net.softraterconfig.xml file to the INSBRIDGE_APP_DIR folder.

There is also an insbridge.net.softraterconfigcache.xml file in this location. You can copy this file as well; however, it is not required.

For added security, after all the SoftRater environments have been configured and tested, the config file can be made read-only. Thereby no modifications can be made from the IBSS interface until the server administrator makes the file writable.

Step 4: Assigning the Shared Insbridge Libraries

1. From the WebSphere Admin console, browse to Applications → Enterprise Applications and select Insbridge.Fwk.APP to modify the extended properties.

2. At the bottom of the screen select the Shared Library references link to assign the libraries. Select Insbridge.Fwk.App and click Reference shared libraries

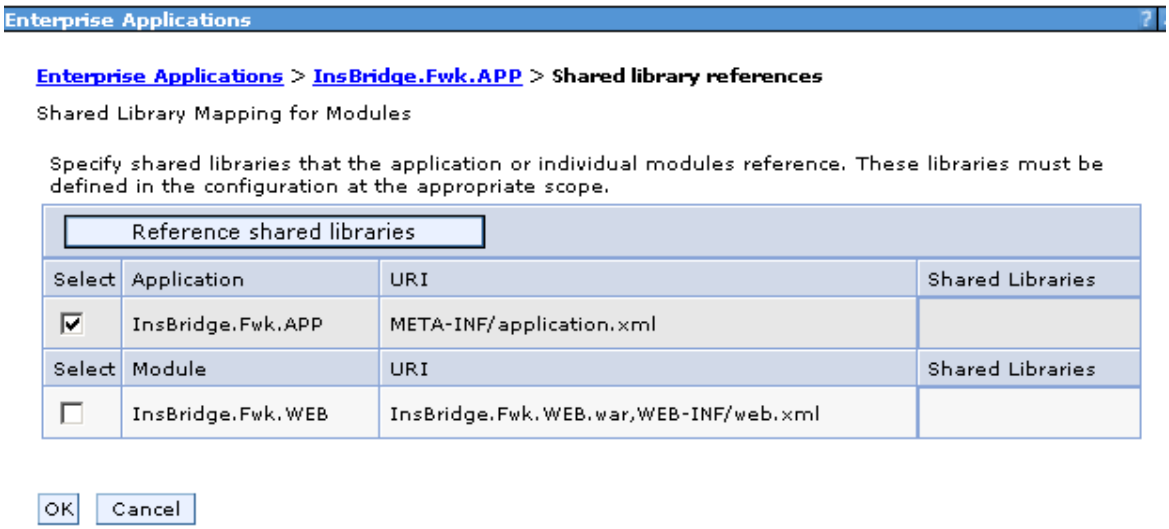


Figure 10 Shared Library References

3. Select **JWLLib** and, if you are running DB2, the DB2_JAR_FILE, and add both to right hand side.

4. Click **OK**.

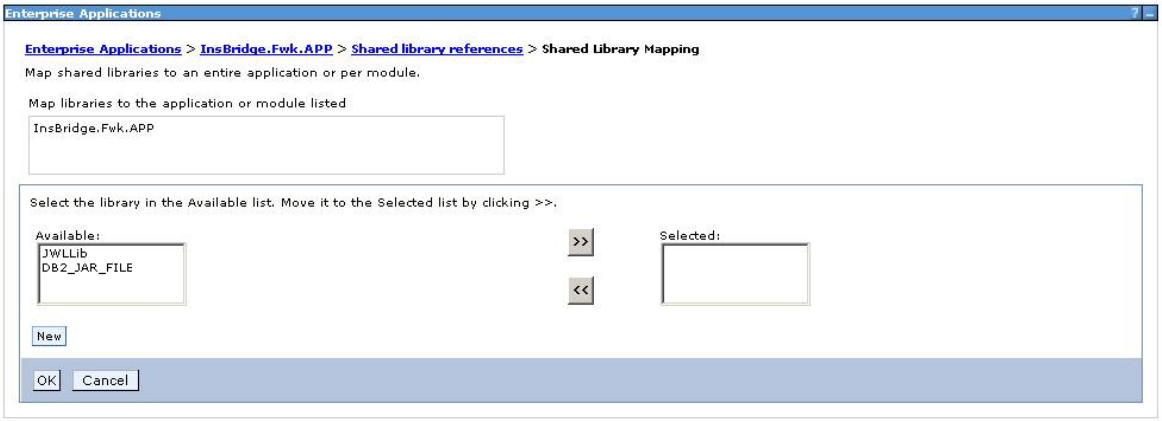


Figure 11 Assigning Library

5. Click **OK** and then save to the master configuration.

NOTE: *The DB2_JAR_FILE will be displayed if you are using a DB2 database. If you are not using a DB2 database, this option will not be available.*

The Insbridge SoftRater Server EAR may now be started from the WSAS Administrative Console.

Step 5: Restoring IBRU Databases in SQL Server

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.*

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

Currently supported is the default SQL Server collation using SQL_Latin1_General_CP1_CI_AS and sort order plus case sensitivity using Latin1_General_BIN as the server collation. The security database (IB_CLIENT) supports the default SQL Server collation using SQL_Latin1_General_CP1_CI_AS. The RateManager and SoftRater databases can use either case sensitive or non-case sensitive. Please check with Oracle Insurance for any questions regarding database server sort orders or collations.

1. Located in the Insbridge Installation Directory:

    - 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

2. Select the SoftRater backup file you want to use, case sensitive or non-case sensitive.

3. **Copy the file** 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 consult with your database administrator.

4. **Rename the file**. It is not required but it is strongly suggested that the database file name 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 name after it has been restored also.

5. **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 install, you must have the SQL Server Client installed.*

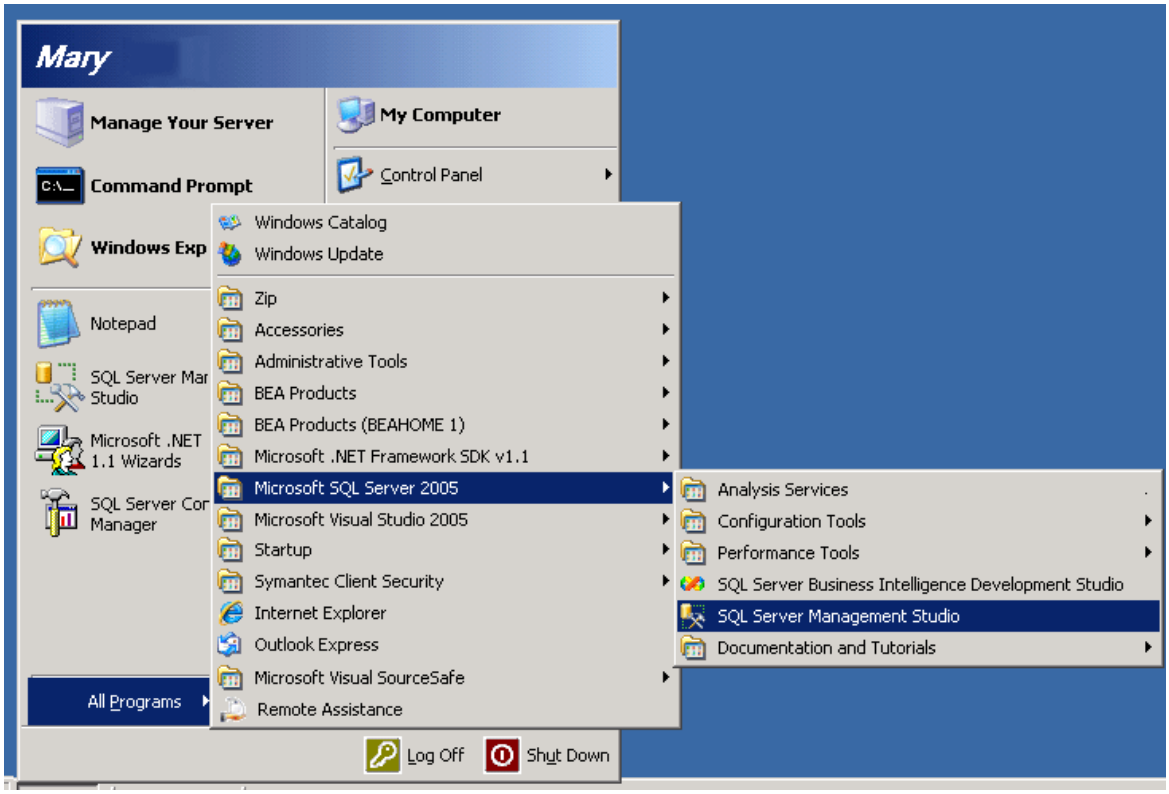


Figure 12 Restoring a Database to SQL Server

6. Go to **Databases**.

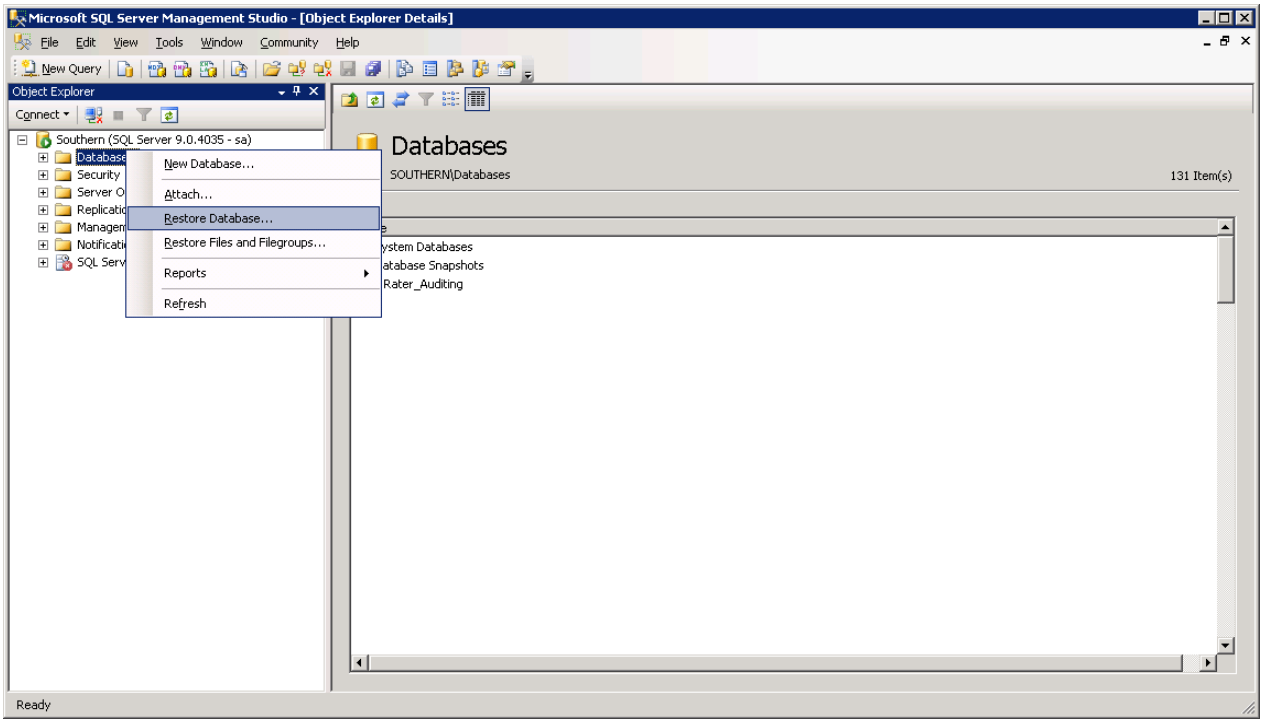


Figure 13 Right Click to Restore Database

7. Right click on **Databases**.

8. Select **Restore Database…** A separate screen will be displayed.

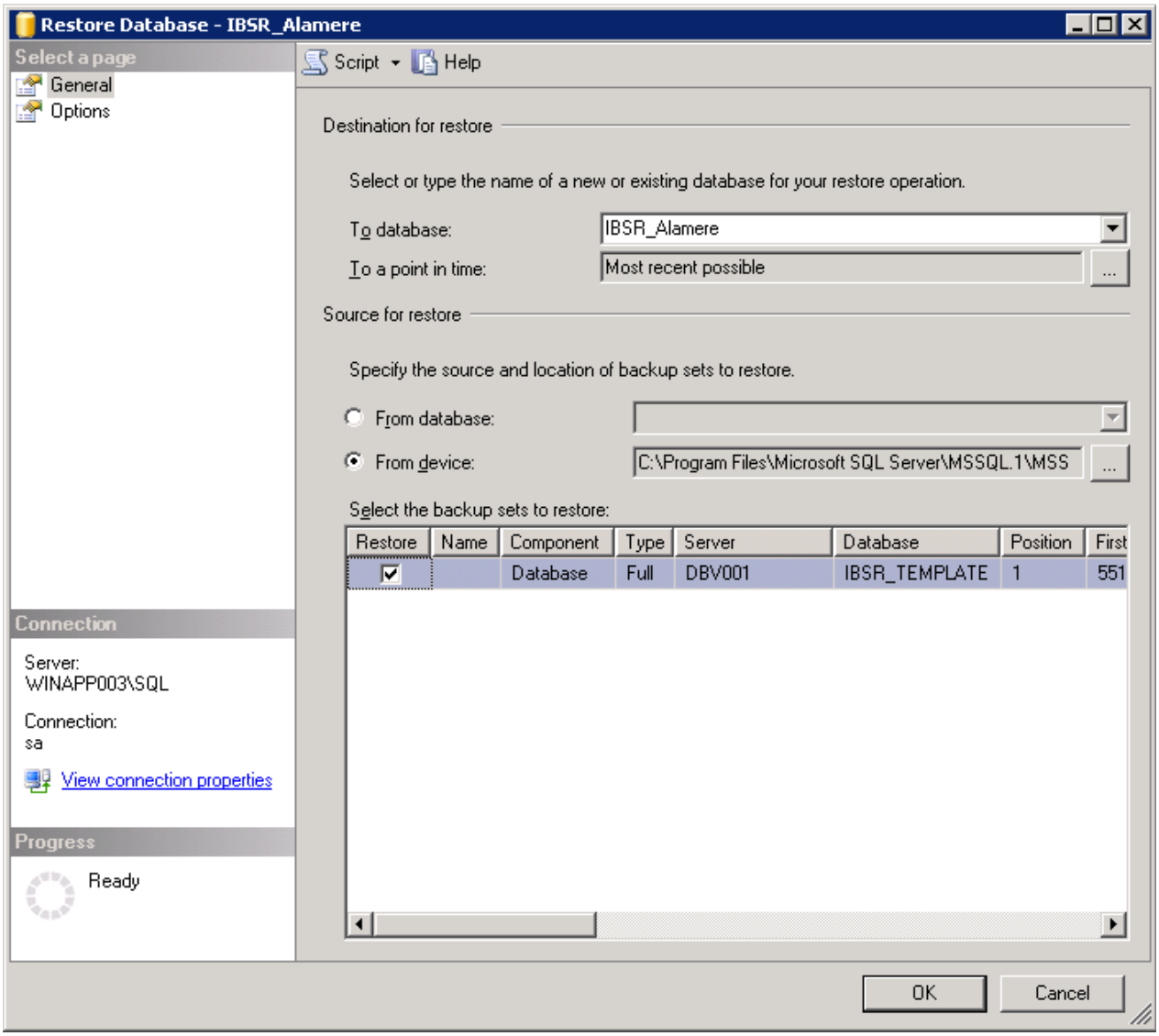


Figure 14 Restoring a Database

9. Enter your IBSR database name in **To Database:**.

10. Select **From Device**. Click **…** to browse to the location where the database files were placed in step 3.

11. Select your database **IBSR_ *xxxx*.BAK**, where ***xxxx*** equals the renamed file from step 4.

12. Click **OK**. Your database will be populated.

13. Verify your information. Check the **Restore** box.

14. Click **OK**.

15. If the database was restored successfully, it will be displayed in the database folder. If not, please correct any errors and try again.

16. Once the databases are restored 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. Make note of the account you want to use. This information will be entered into the Insbridge Framework Administrator.

Step 6: Setting up a WebSphere Environment in IBSS

You will be able to access the application by typing http://<ServerName or IP Address>:9080/IBSS

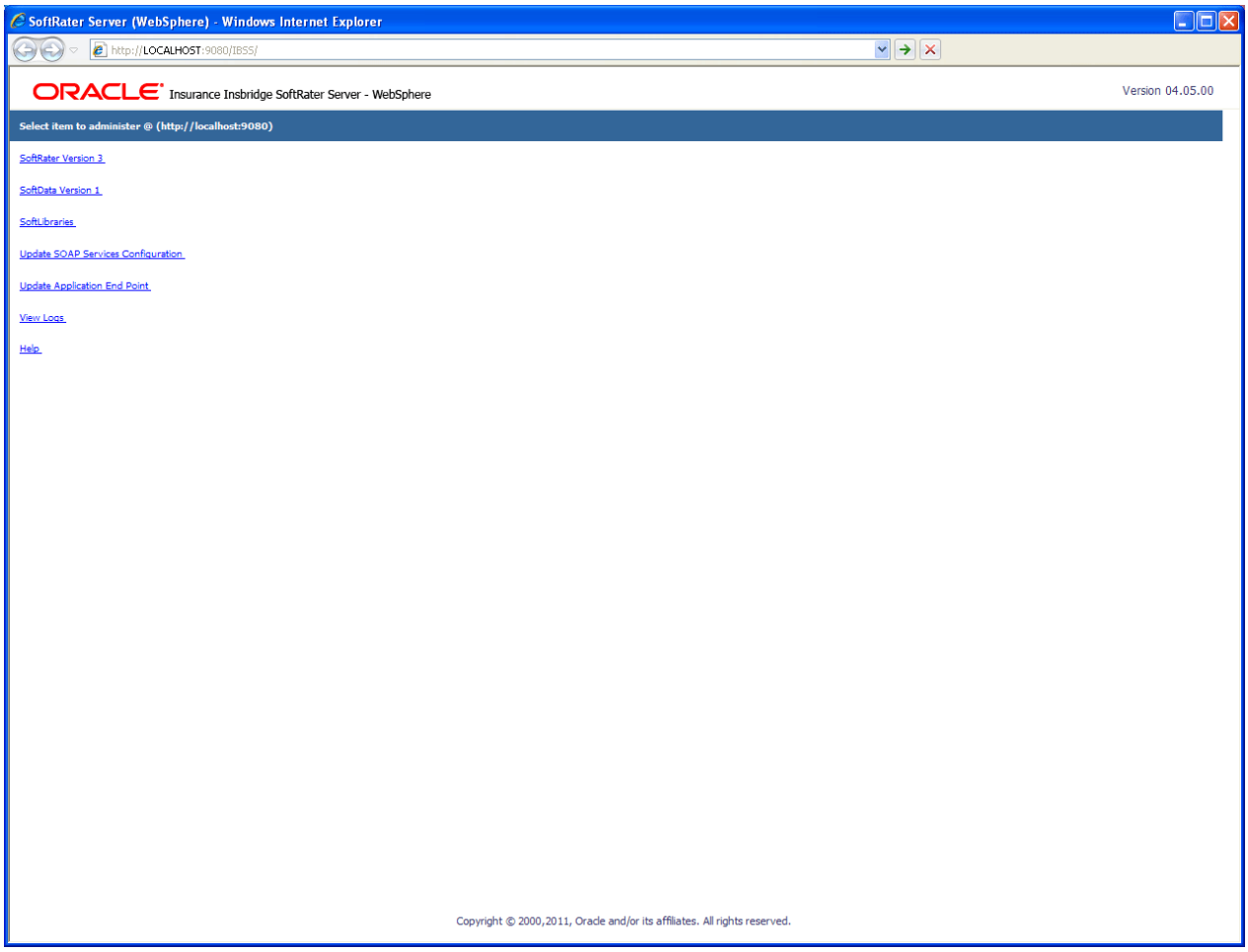


Figure 15 IBSS WebSphere Main Page

NOTE: *If you changed the WebSphere default port (9080) during the Server creation, you should change the default application port on the "Update Application End Point" option located in the IBSS main page before accessing the application WebServices and methods.*

NOTE: *The IBSS parameter in the application URL must be capitalized.*

To Create/Edit an Environment

Prior to setting up an environment in IBSS you will need the Subscriber ID that you setup in IBFA.

1. Select **SoftRater Version 3** from the Main page. You will be placed on the SoftRater page.
2. Select the **Environment Setup** link.

   The **Environment Setup** section allows you to configure rating environments. An environment is a pointer to a location where SoftRater Packages (SRP's) are stored and loaded. There is no limit to the number of environments you may have. Required fields will be marked with an asterisk (*).

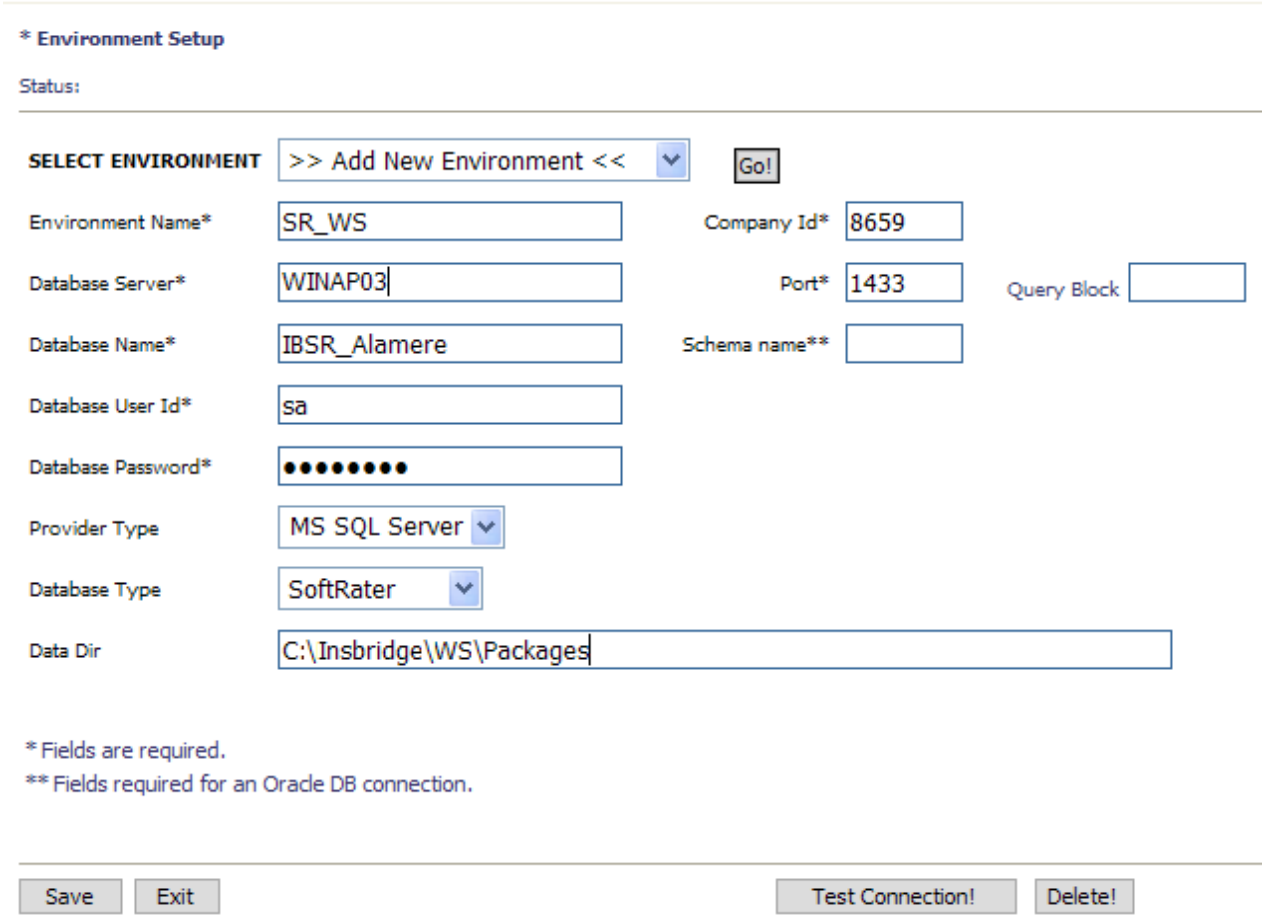


Figure 16 Environment Setup

3. To create a new environment, use the drop down text box next to **SELECT ENVIRONMENT** and select **>> Add New Environment <<.** If the page does not automatically refresh, click **GO**.
4. When the page refreshes, enter the following information:

   Environment Name: A name for the environment.

   Database Server: The name of the server that houses the database that packages are loaded to.

Database Name: The name of the database that packages are loaded to.

Database User Id: The username to access the database.

Database Password: The password for the username entered.

Provider Type: The provider of the database. Options are **DB2, DB2(AS400), ORACLE** and **MS SQL SERVER.**

Database Type: The type of database being accessed. Options are **SoftRater** and **RateManager**.

Data Dir: The location of the SoftRater Packages (SRP's).

Company Id: Your Company's subscriber ID. This must be the same ID number used in IBFA.

Port: Listening port to the target Database Management System.

Default values:

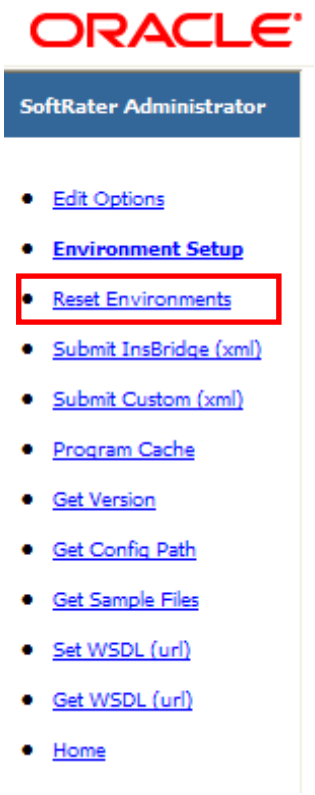
SQL Server – 1433
Oracle – 1521
DB2 – 50000

Query Block: (Optional) 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.

Schema Name: The schema name for the database.

5. When you are finished entering information, click **SAVE**. The environment will be saved and the **Status** field will update.

6. Before you can use the new environment for rating, you will need to reload the configuration XML file. This is done by resetting the environments. On the left hand side of the environment page, select the Reset Environments options. You will be placed on the environments page.



To activate changes to an environment, the SoftRater configuration XML file must be reloaded by clicking **EXECUTE**. The screen will refresh and the environment will be reset. Click **EXIT** to return to the SoftRater Administrator menu.

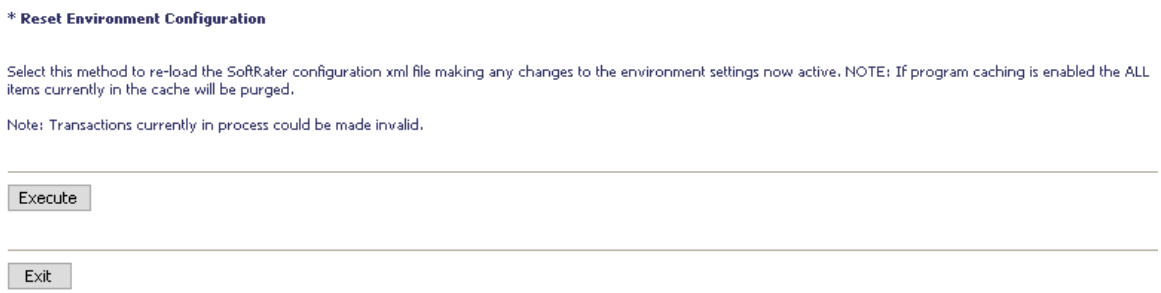


Figure 17 Resetting the Environment

NOTE: *All information in the cache will be purged and any transactions currently processing could be made invalid.*

Step 7: Entering your IBSS Instance in IBFA

IBFA will need to communicate with the IBSS environment. This will allow for packages to be loaded. There are two parts that will need to be completed:

1. Create an environment.
2. Configure the environment.

A SoftRater environment may be completed at installation or can be added at a later time. A SoftRater environment can be on a Windows machine or a Java machine running an application server, such as WebLogic. There is no limit to the number of SoftRater environments that you can have.

1. Enter IBFA.
2. Browse to **SoftRater→Explorer→Subscriber name**.
3. Click on **Add Environment**.
4. Enter a **Name** and select a **Typ**e. For example, you can create a Quality Control environment with a type of Quality Assurance.
5. Select the **Environments** link under the Configuration header on the left hand side to enter the configuration information for the newly created logical environment. You will be placed on the Environments screen. The environments you previously setup will be listed. If an environment is missing, you must return to the Configuration subtab and add it.

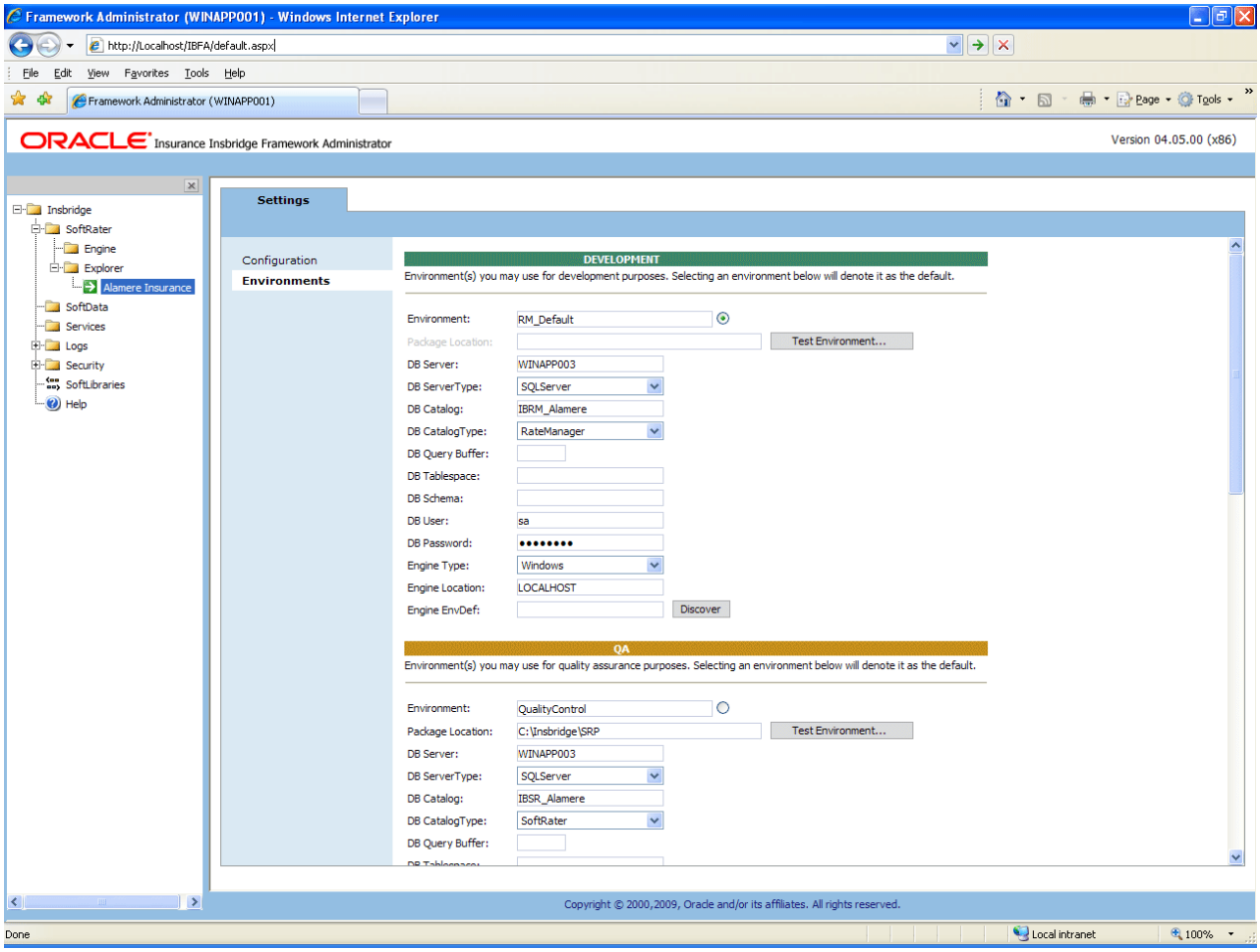


Figure 18 Editing Environment

6. The **Environment Name** will be complete. No changes are needed.

7. Enter in the file path where you want packages stored in the **Package Location**. Use the Test Environment option to have the location created for you.

8. Enter in the **DBServer** name or IP address. This is the database server where the SoftRater database was restored or created.

9. Select the **DB Server Type** that you are using.

10. The **DB Catalog** is the name of the SoftRater database restored in SQL Server. For example, IBSR_QA.

11. The **DB Catalog Type** is **SoftRater**.

12. **DB Query Buffer** may be required. 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.

13. **DB Tablespace** is not required for a SoftRater environment

14. The **DB Schema** is the name of the schema that defines the structure of the database. This information may be obtained from the DBA.

15. Enter the **DB User** name and **Password**.

16. Select the **Engine Type**.

17. The **Engine Location** is the location of where you installed the SoftRater engine. You can use the machine name or IP address. For WebSphere, WebLogic or JBoss, you must also include the port. For example, a WebLogic server may have “WBServerName:7001” as the entry.

18. The **Engine EnvDef** is the machine name if the engine is located on a different server. You can use the machine name or IP address.

19. Click **SAVE** to save your entries.

Chapter 3

INSTALLATION PROCEDURES – UTILIZING AN ORACLE DATABASE

The following is a check list of the installation steps needed to perform a NEW SoftRater for WebSphere Installation:

1. Create INSBRIDGE_APP_DIR in Name Space Bindings
2. Installing the EAR File
3. Setting up Insbridge.net.softrater.xml Config File
4. Assigning the Shared Insbridge Libraries
5. Create Oracle database.
6. Create a WebSphere entry in IBSS.
7. Run the Oracle Client on the machine where the IBRU system was installed.
8. Create a WebSphere entry in IBFA

Step 1: Create INSBRIDGE_APP_DIR in Name Space Bindings

SoftRater uses an XML configuration (insbridge.net.softraterconfig.xml) file to store information in the configured rating environments. This file needs to be accessible to the Insbridge Rating and Underwriting SoftRater Server (IBSS) in order to operate. The location to define where the config file is located is stored using a Name Space Binding string in the WebSphere server configuration.

7. To create the INSBRIDGE_APP_DIR string, from the WebSphere Admin console, browse to the following location:

   Environment → Naming → Name Space Bindings

8. Change the scope to the **Server** level by selecting it and click **Apply**.

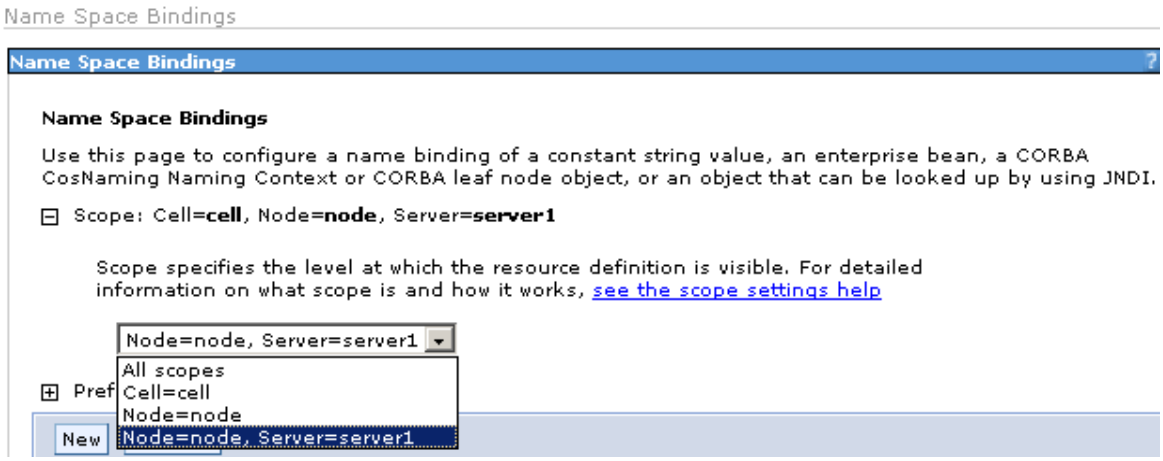


Figure 19 Changing Scope to Server

9. Once you have changed to the server level, click **New**.

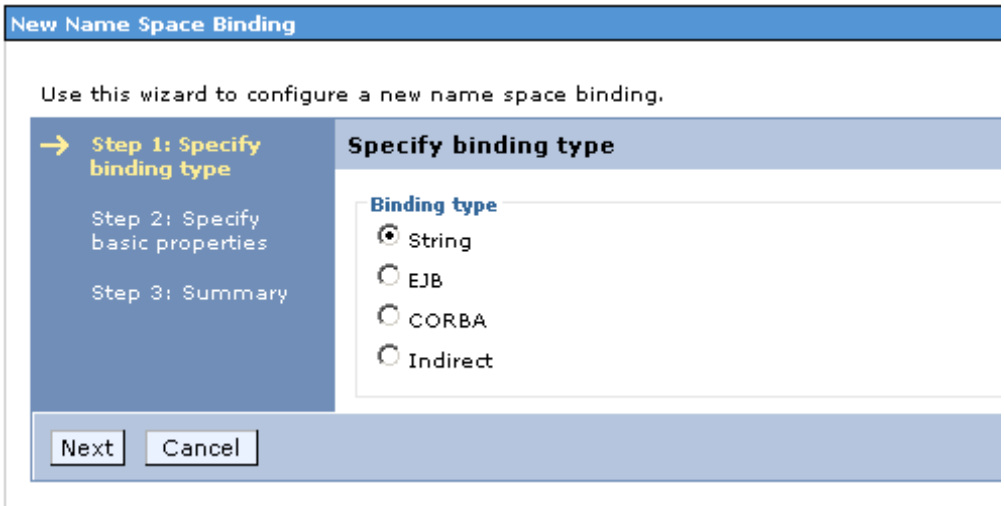


Figure 20 Creating a New Name Space

10. Select String and then click **Next**.

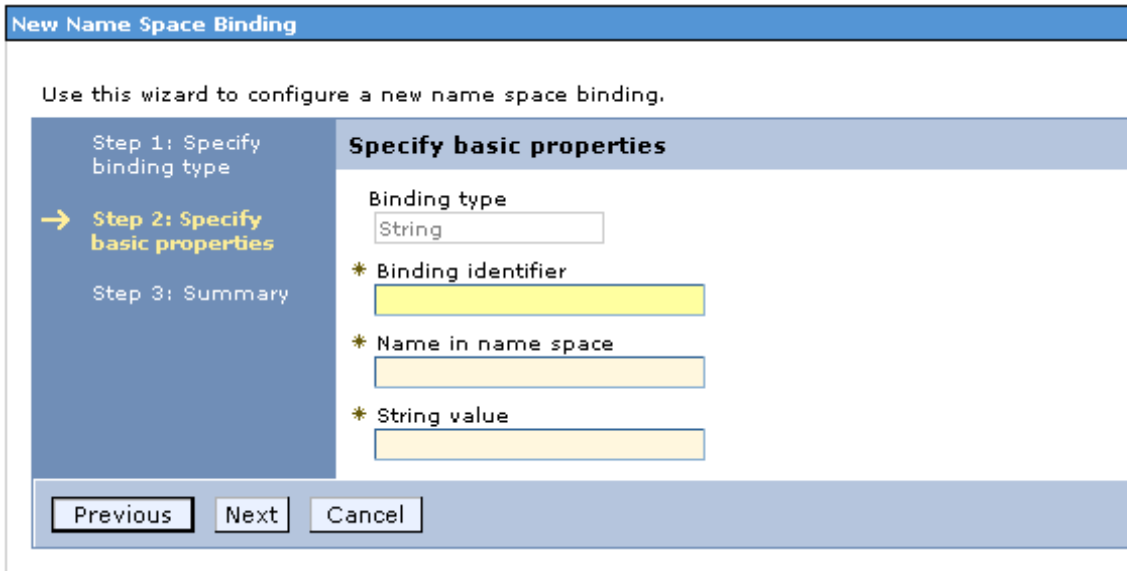


Figure 21 Create Name Space Binding

11. Create a Name Space Binding and Binding Identifier at the server level called INSBRIDGE_APP_DIR. The actual string value is the directory path location where the insbridge config file will be located relative to the WebSphere server.

12. Then select **Next** and **Finish**. Save to the master configuration.

CREATE AN INSBRIDGE SHARED LIBRARY FOR DB2

If you are utilizing a DB2 database, you must create an Insbridge shared library. If you are not using DB2, you can proceed to Installing the EAR file (IBSS_WS.ear).

The Insbridge SoftRater for WebSphere uses a shared library to contain the DB2 information. The JAR file must be copied to the WebSphere Application Server. The DB2 JAR file should be in your DB2 installation folder java directory. You may also download this file from IBM directly.

To create the shared library from the WebSphere Admin console, browse to the following location:

Environment → Shared Libraries

By default, it should be at the Node scope. Change the scope to Node = node, Server = server1 by selecting it and then click **Apply** so that the screen looks similar to:

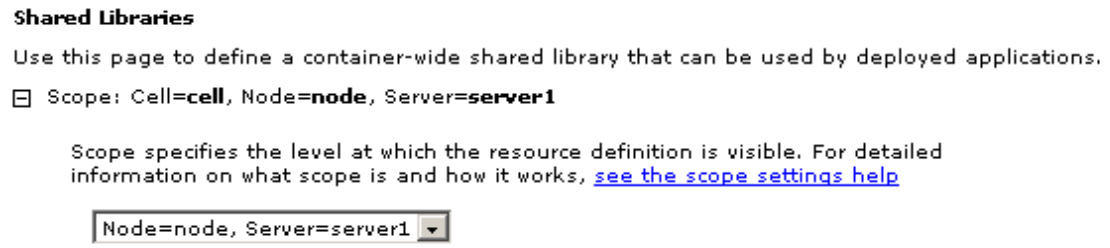


Figure 22 Creating a Shared Library

Click **New** and fill out the information as shown below.

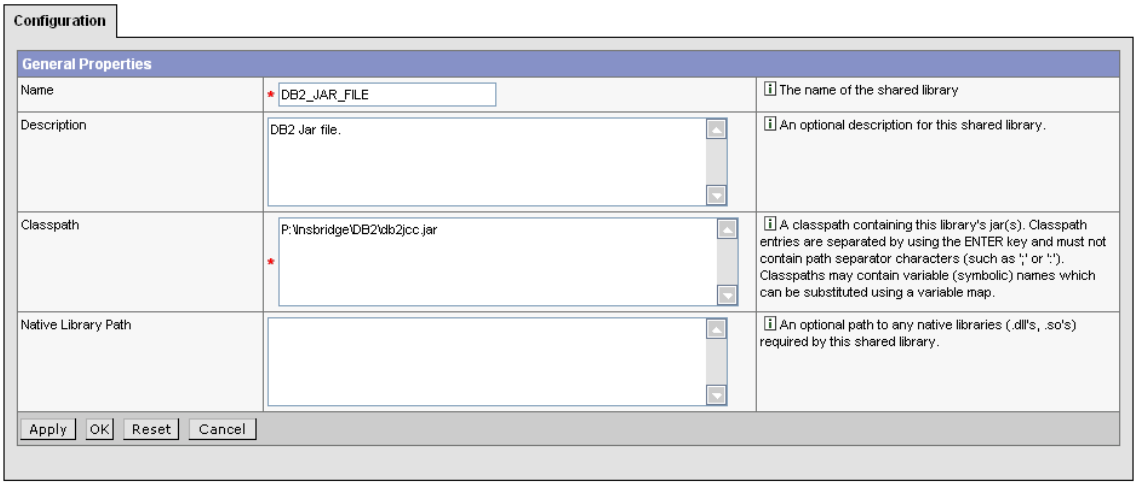


Figure 23 Creating DB2 Library

Click on **OK** and then **Save** to apply the changes to the master configuration.

NOTE: *The classpath is the location of the Insbridge\DB2\db2jcc.jar file on the WebSphere server. The share directory has to be wherever the drive is located.*

Step 2: Installing the EAR File

10. Log on to the Administrative Console ex: http://WAS_SERVER:9080/admin/.
11. Select Application → Install New Application.
12. Select the location from where to upload the EAR file (IBSS_WS.ear) and select **Next**.

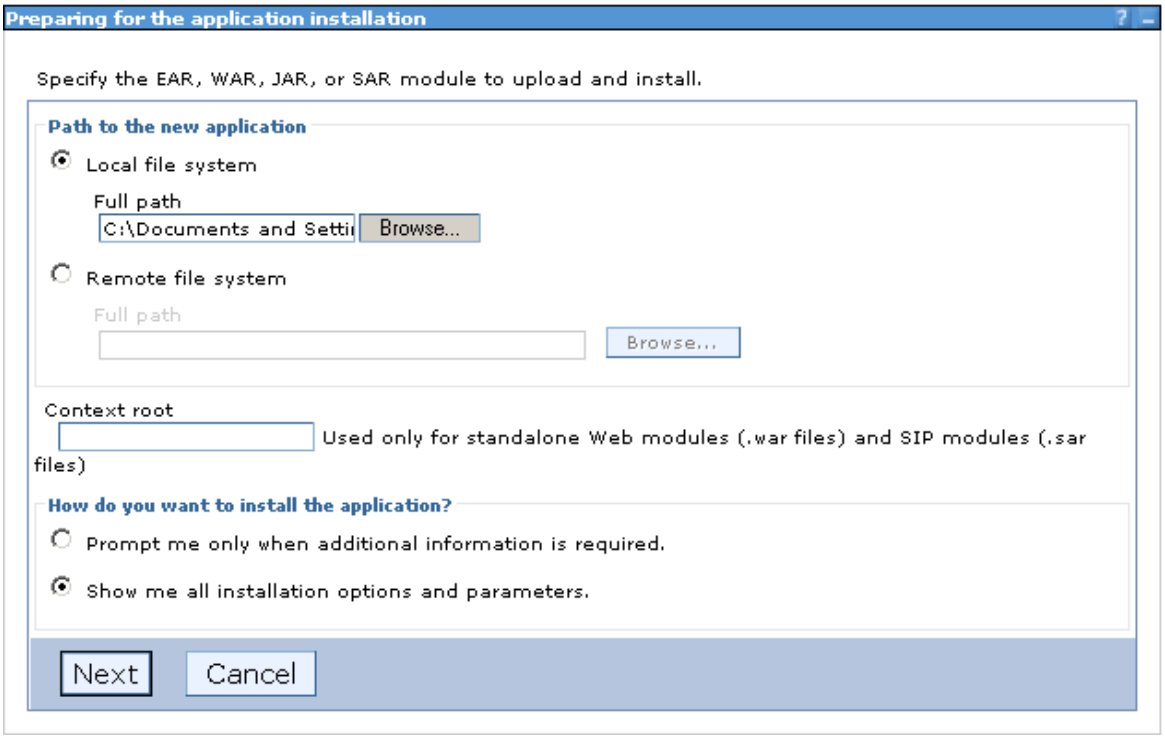


Figure 24 Installing the EAR File

13. Provide Options to suit your environment. We suggest selecting Pre-compile JSP for improved performance.

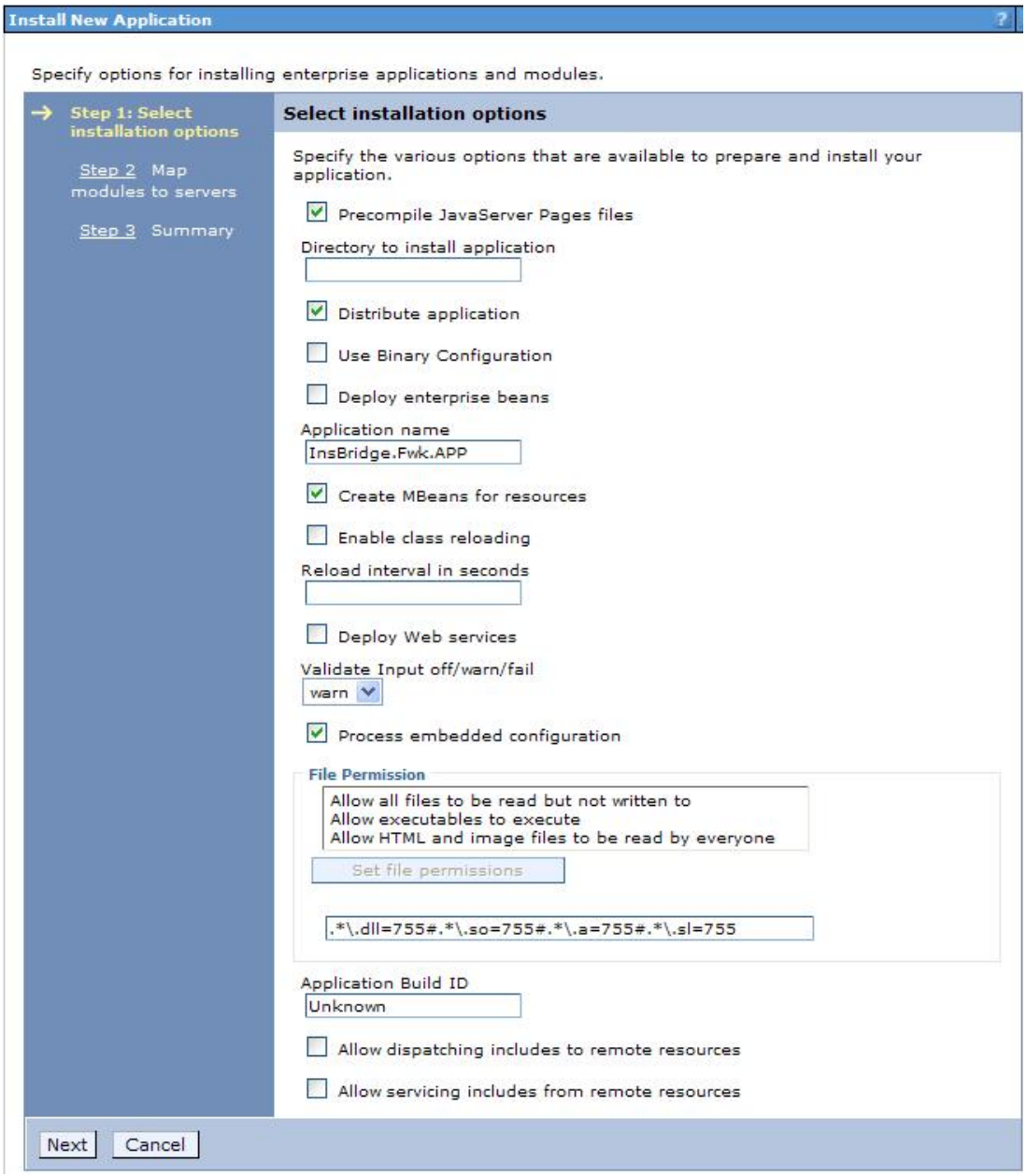


Figure 25 Providing Options

14. Click **Next** to continue.

NOTE: This screen will only be displayed if you selected "*Show all installation options and parameters*" on the first screen.

15. Map modules to application servers.

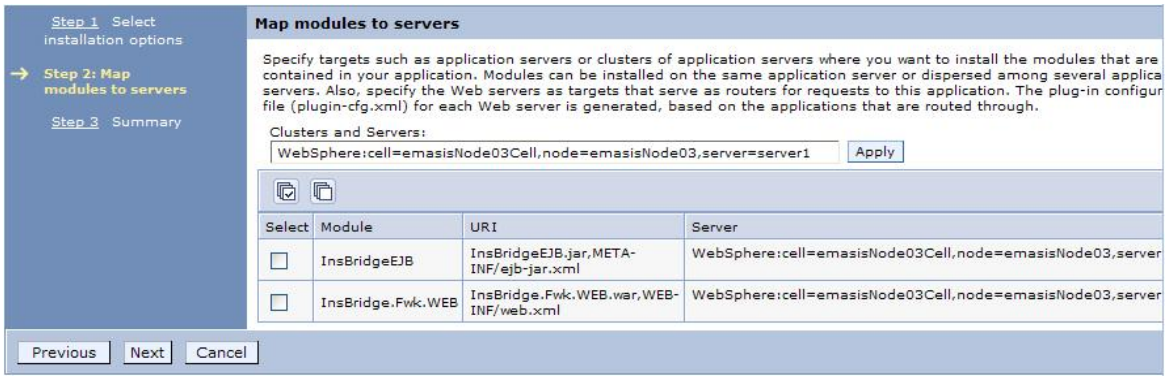


Figure 26 Mapping to Application Servers

16. Map Virtual Hosts.

17. Verify your selections on the Summary screen.

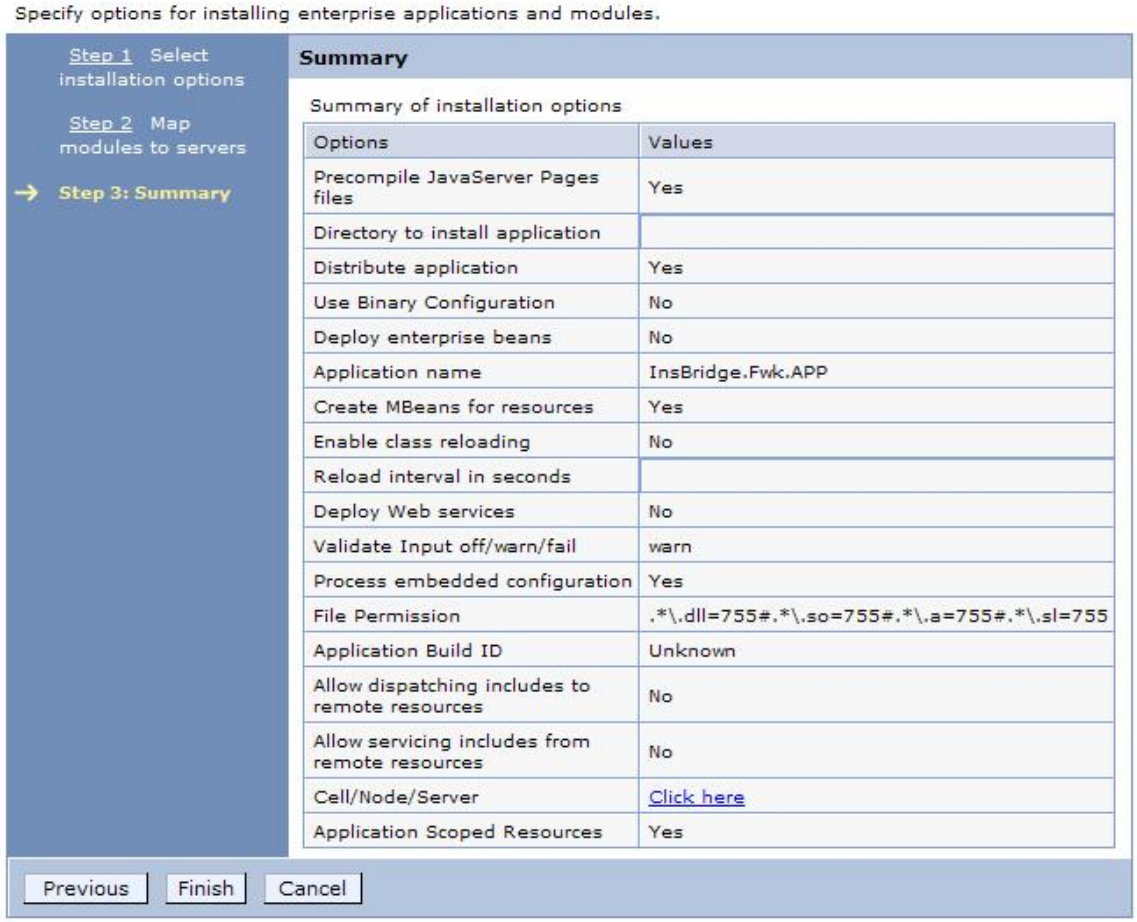


Figure 27 Summary

18. Select **Finish**. After installation, save to the master configuration.

Step 3: Setting up Insbridge.net.softrater.xml Config File

SoftRater requires a single configuration file “insbridge.net.softraterconfig.xml”. After the EAR installation, a default setup copy of this file is in the “Insbridge.Fwk.APP” installation subdirectory. Before starting the configuration setup process, copy this default file to the following WebSphere setup folder to the INSBRIDGE_APP_DIR. All administrative setup options are saved in this file.

NOTE: *If the location is either not defined or not configured, then the SoftRater will default to the old legacy location of $WSAS_HOME\etc\insbridge folder to look for the configuration file.*

The location where the config file resides is defined by the INSBRIDGE_APP_DIR as created on page 14. This location can be anywhere on the server as long as the identity of the process running the WebSphere AppServer has access rights to the defined folder.

A default blank insbridge SoftRater config file is located under

$WAS_HOME/installedApps/NODENAME/IBSS_WS.ear/config.

Copy the insbridge.net.softraterconfig.xml file to the INSBRIDGE_APP_DIR folder.

There is also an insbridge.net.softraterconfigcache.xml file in this location. You can copy this file as well; however, it is not required.

For added security, after all the SoftRater environments have been configured and tested, the config file can be made read-only. Thereby no modifications can be made from the IBSS interface until the server administrator makes the file writable.

Step 4: Assigning the Shared Insbridge Libraries

6. From the WebSphere Admin console, browse to Applications → Enterprise Applications and select Insbridge.Fwk.APP to modify the extended properties.

7. At the bottom of the screen select the Shared Library references link to assign the libraries. Select Insbridge.Fwk.App and click Reference shared libraries

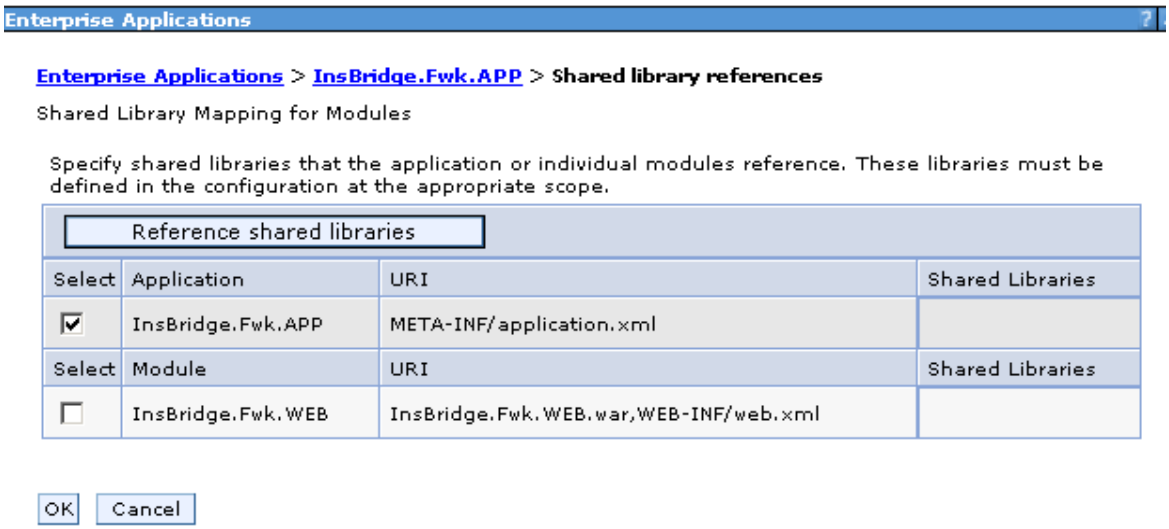


Figure 28 Shared Library References

8. Select **JWLLib** and, if you are running DB2, the DB2_JAR_FILE, and add both to right hand side.

9. Click **OK**.

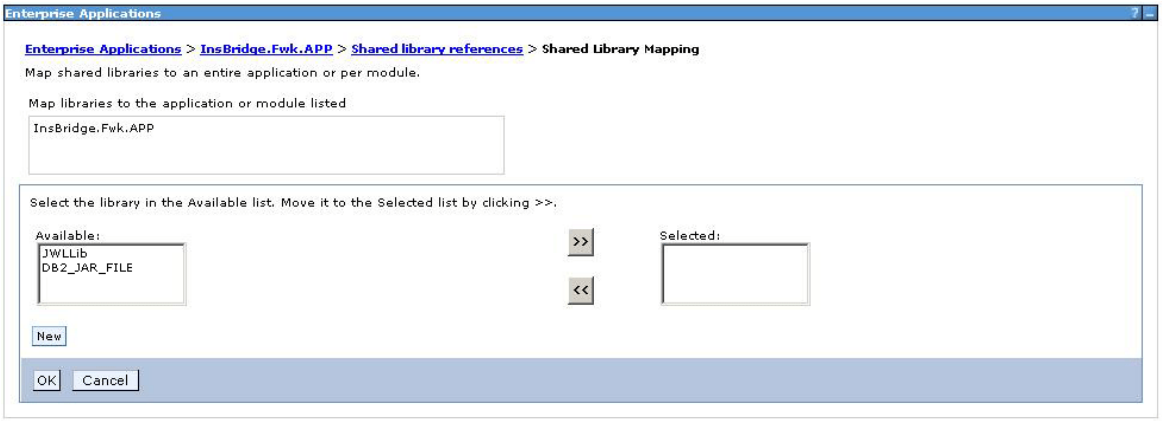


Figure 29 Assigning Library

10. Click **OK** and then save to the master configuration.

NOTE: *The DB2_JAR_FILE will be displayed if you are using a DB2 database. If you are not using a DB2 database, this option will not be available.*

The Insbridge SoftRater Server EAR may now be started from the WSAS Administrative Console.

Step 5: Creating an Oracle Database

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.

Before proceeding, please have ready:

- The LOBs you want to use.
- Your subscriber ID

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

NOTE: *If you are unsure how to create an Oracle database, please consult with your database administrator.*

1. On your Oracle database, run all **DDLs**.
2. On your Oracle database, you will need to run a DT table for each LOB.
3. After all DT tables have been created, please make note of:
   - Schema
   - Instance
   - User name
   - Password

   This information will need to be passed along to the IBRU installer. This information is needed to create a logical environment.

Location of DDL Directory

If a database table needs to be added in SoftRater for Oracle, 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 should be performed by a qualified DBA.

Oracle Database Setup

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.

   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.

   a) Create default tablespace for the Soft Rater database.

      - 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. See **Error! Reference source not found.**.
      - 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.

   b) Create user IBSR and assign basic connect and resource grants.

Step 6: Setting up a WebSphere Environment in IBSS

You will be able to access the application by typing http://<ServerName or IP Address>:9080/IBSS

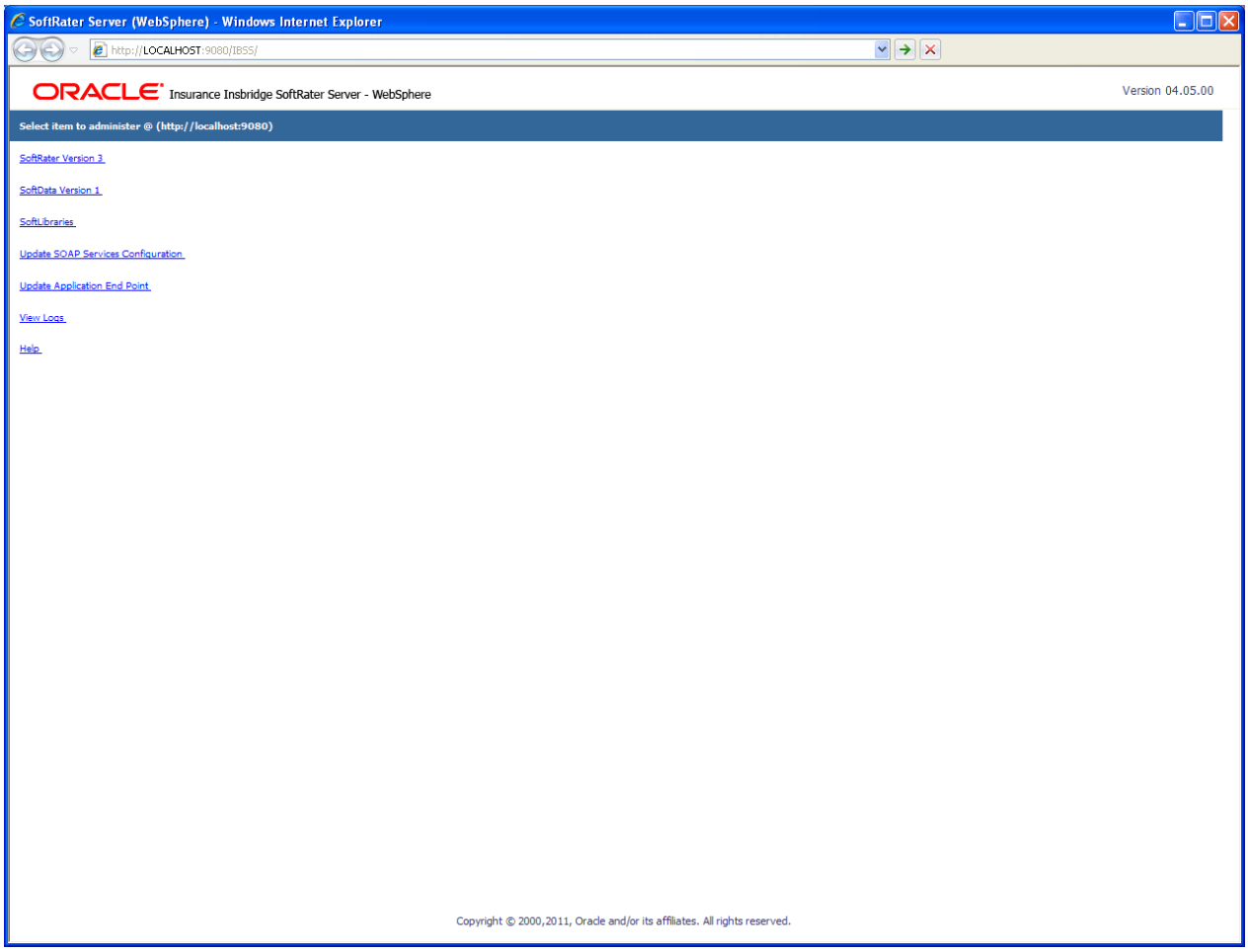


Figure 30 IBSS WebSphere Main Page

NOTE: *If you changed the WebSphere default port (9080) during the Server creation, you should change the default application port on the "Update Application End Point" option located in the IBSS main page before accessing the application WebServices and methods.*

NOTE: *The IBSS parameter in the application URL must be capitalized.*

To Create/Edit an Environment

Prior to setting up an environment in IBSS you will need the Subscriber ID that you setup in IBFA.

1. Select **SoftRater Version 3** from the JBoss Main page. You will be placed on the SoftRater page.
2. Select the **Environment Setup** link.

   The **Environment Setup** section allows you to configure rating environments. An environment is a pointer to a location where SoftRater Packages (SRP's) are stored and loaded. There is no limit to the number of environments you may have. Required fields will be marked with an asterisk (*).

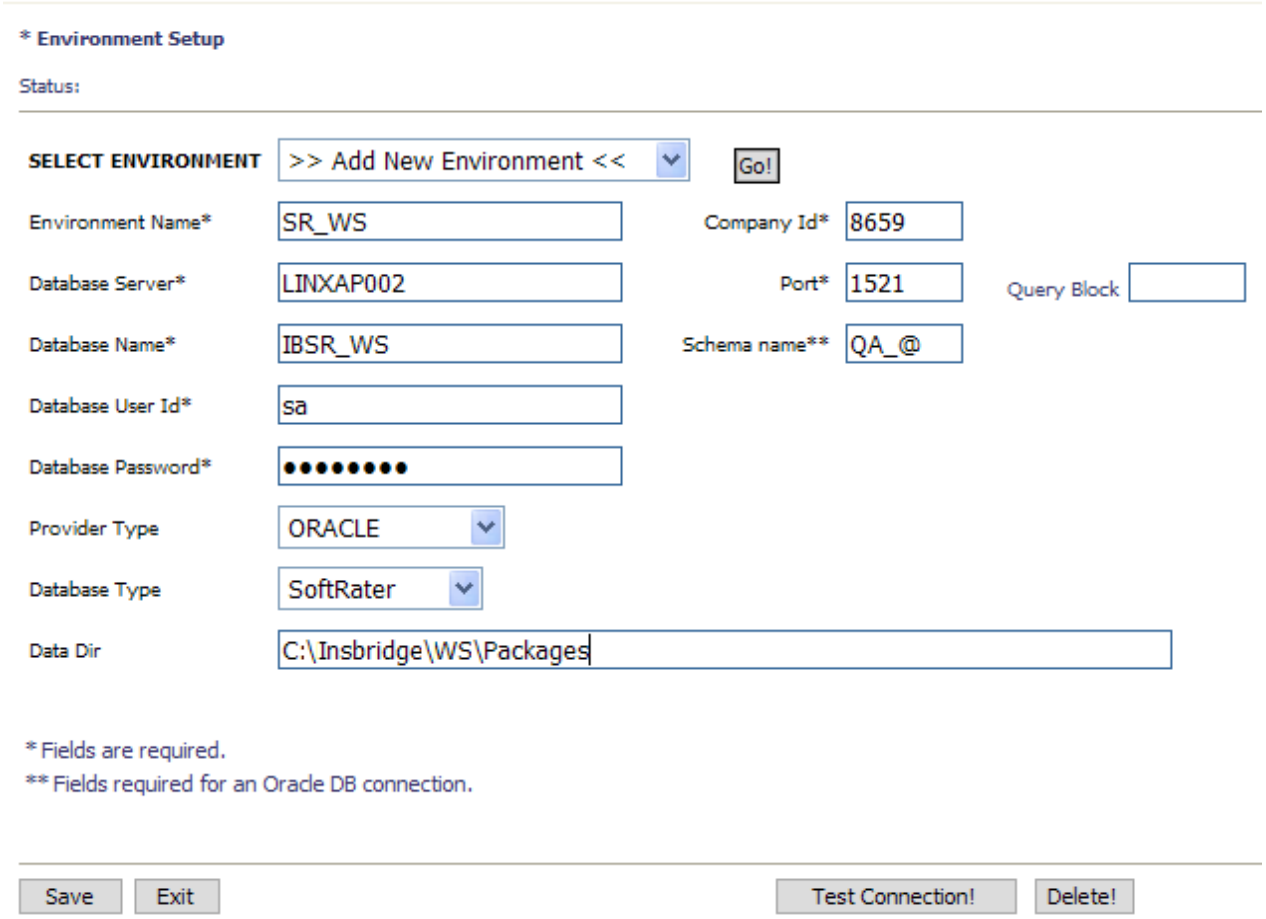


Figure 31 Environment Setup

3. To create a new environment, use the drop down text box next to **SELECT ENVIRONMENT** and select **>> Add New Environment <<.** If the page does not automatically refresh, click **GO**.
4. When the page refreshes, enter the following information:

   Environment Name: A name for the environment.

   Database Server: The name of the server that houses the database that packages are loaded to.

Database Name: The name of the database that packages are loaded to.

Database User Id: The username to access the database.

Database Password: The password for the username entered.

Provider Type: The provider of the database. Options are **DB2, DB2(AS400), ORACLE** and **MS SQL SERVER.**

Database Type: The type of database being accessed. Options are **SoftRater** and **RateManager**.

Data Dir: The location of the SoftRater Packages (SRP's).

Company Id: Your Company's subscriber ID. This must be the same ID number used in IBFA.

Port: Listening port to the target Database Management System.

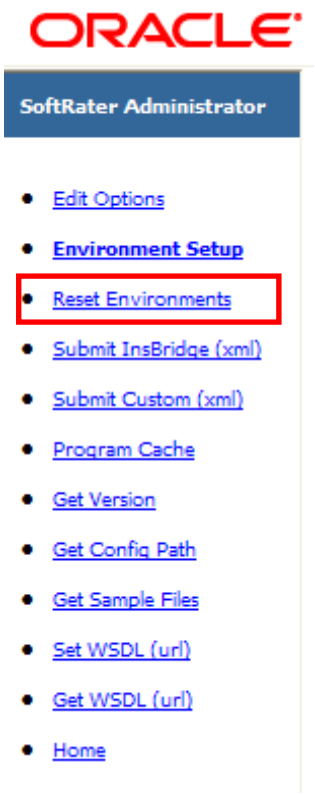
Default values:
SQL Server – 1433
Oracle – 1521
DB2 – 50000

Query Block: (Optional) 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.

Schema Name: The schema name for the database.

5. When you are finished entering information, click **SAVE**. The environment will be saved and the **Status** field will update.

6. Before you can use the new environment for rating, you will need to reload the configuration XML file. This is done by resetting the environments. On the left hand side of the environment page, select the Reset Environments options. You will be placed on the environments page.



To activate changes to an environment, the SoftRater configuration XML file must be reloaded by clicking **EXECUTE**. The screen will refresh and the environment will be reset. Click **EXIT** to return to the SoftRater Administrator menu.

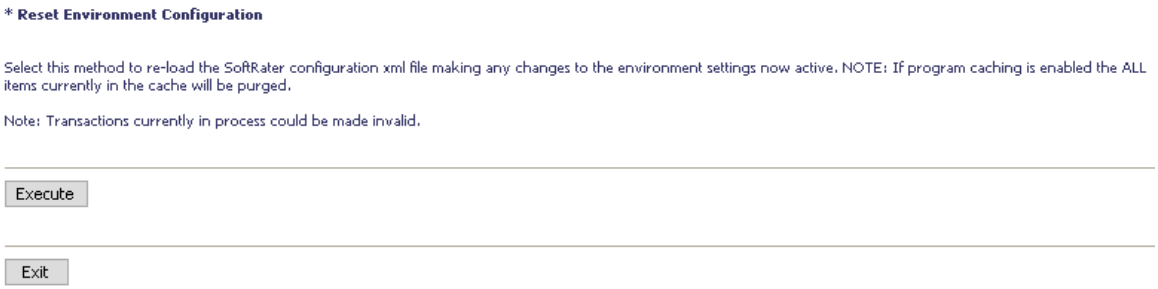


Figure 32 Resetting the Environment

NOTE: *All information in the cache will be purged and any transactions currently processing could be made invalid.*

Step 7: Installation of Oracle Client

If the Oracle Client has already been installed and configured, you can skip this step. Return to the machine where the IBRU system was installed. One instance of the Oracle client is all that is required. If you have more than one Oracle environment that you want to connect, for example a QA environment and a Production environment, you will only need to run the Oracle client once.

Running the Oracle Client

Run the Oracle Client. On the machine where the IBRU system was installed, you will need to run the Oracle client. This will allow IBFA to communicate with the Oracle database.

For a 64-bit environment, please make sure you have the 64-bit Oracle Client.

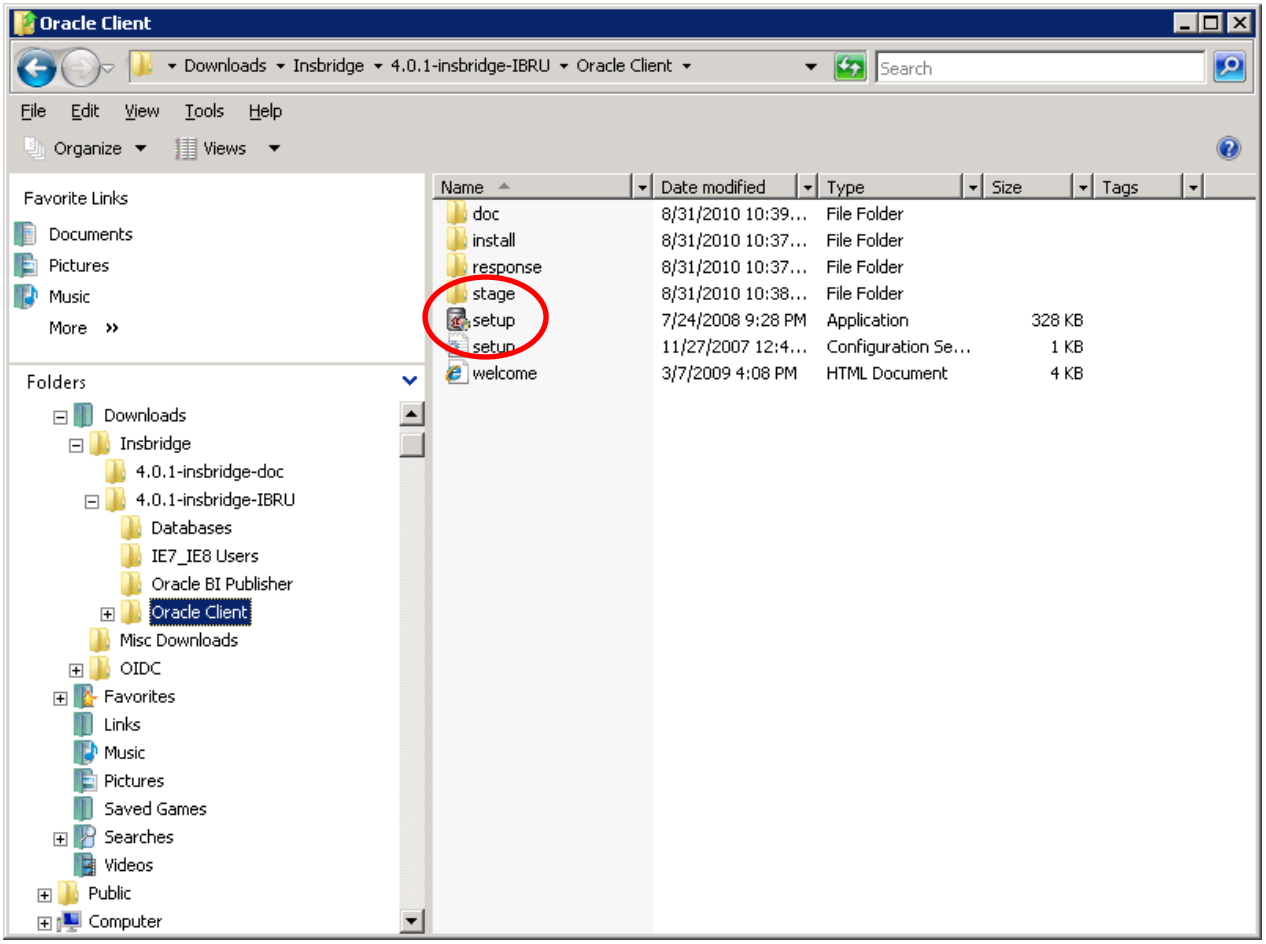


Figure 33 Locating the Oracle Client for 64-bit Installs

1. In the 04.05.00-insbridge-IBRU folder, locate the Oracle Client folder.
2. Select the setup application. The Oracle client installation will begin.

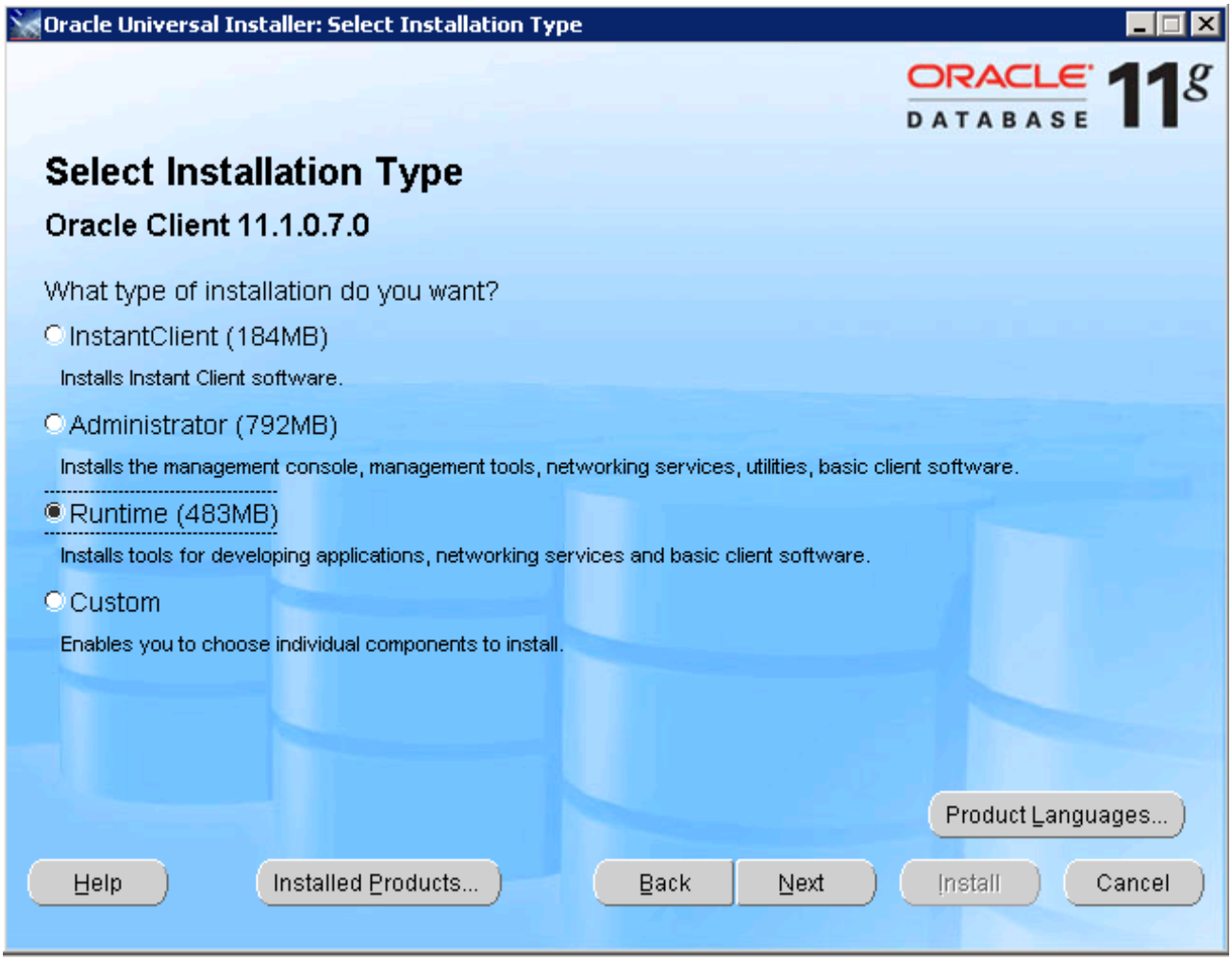


Figure 34 Running the Oracle Client

3. Select **RUNTIME** as the Installation Type.
4. Click **NEXT**.
5. For the Summary – Inside Oracle Providers for .NET, the Oracle Client, you must use a LOCAL DRIVE, i.e. C:\app\oracle-insbridge.
6. Click **NEXT**.
7. You can leave the defaults and **INSTALL**.

Using a DB2 Database

A DB2 database may also be used. To obtain the DB2 client, please visit the IBM website and download the Client for the version you have.

If a database table needs to be added in 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 DB2 should be performed by a qualified DBA.

Step 8: Entering your IBSS Instance in IBFA

IBFA will need to communicate with the IBSS environment. This will allow for packages to be loaded. There are two parts that will need to be completed:

1. Create an environment.
2. Configure the environment.

A SoftRater environment may be completed at installation or can be added at a later time. A SoftRater environment can be on a Windows machine or a Java machine running an application server, such as WebLogic. There is no limit to the number of SoftRater environments that you can have.

1. Enter IBFA.
2. Browse to **SoftRater→Explorer→Subscriber name**.
3. Click on **Add Environment**.
4. Enter a **Name** and select a **Type**. For example, you can create a Quality Control environment with a type of Quality Assurance.
5. Select the **Environments** link under the Configuration header on the left hand side to enter the configuration information for the newly created logical environment. You will be placed on the Environments screen. The environments you previously setup will be listed. If an environment is missing, you must return to the Configuration subtab and add it.

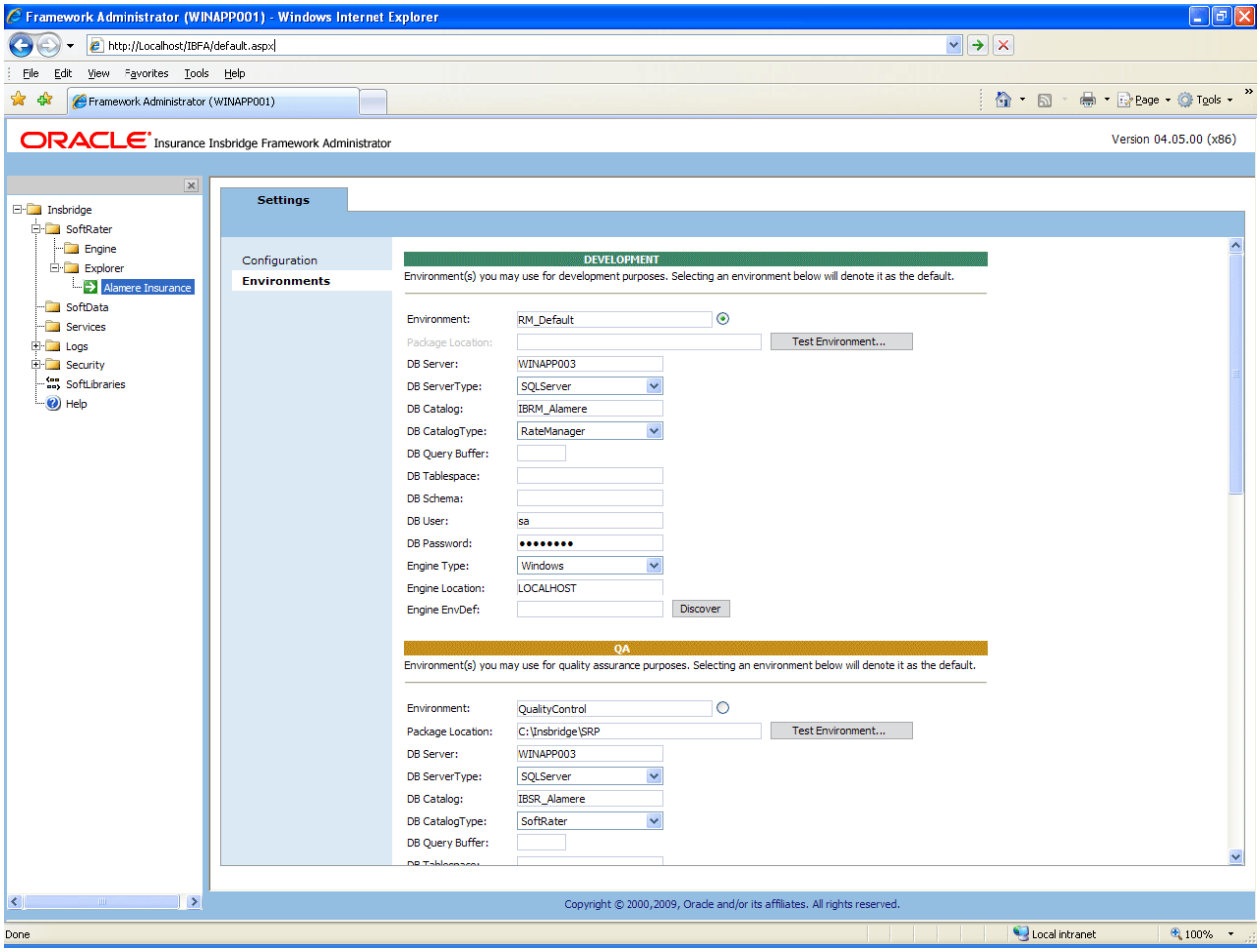


Figure 35 Editing Environment

6. The **Environment Name** will be complete. No changes are needed.

7. Enter in the file path where you want packages stored in the **Package Location**. Use the Test Environment option to have the location created for you.

8. Enter in the **DBServer** name or IP address. This is the database server where the SoftRater database was restored or created.

9. Select the **DB Server Type** that you are using.

10. The **DB Catalog** is the name of the SoftRater database restored in SQL Server. For example, IBSR_QA.

11. The **DB Catalog Type** is **SoftRater**.

12. **DB Query Buffer** may be required. 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.

13. **DB Tablespace** is not required for a SoftRater environment

14. The **DB Schema** is the name of the schema that defines the structure of the database. This information may be obtained from the DBA.

15. Enter the **DB User** name and **Password**.

16. Select the **Engine Type**.

17. The **Engine Location** is the location of where you installed the SoftRater engine. You can use the machine name or IP address. For WebSphere, WebLogic or JBoss, you must also include the port. For example, a WebLogic server may have “WBServerName:7001” as the entry.

18. The **Engine EnvDef** is the machine name if the engine is located on a different server. You can use the machine name or IP address.

19. Click **SAVE** to save your entries.

Chapter 4

CREATING A SOFTRATER DATABASE

The Insbridge Framework Application container for the SoftRater J2EE EJB contains the JDBC connection drivers that support operational connectivity to the DBMS system listed before. It also contains vendor specific DDLs for the SoftRater operations database schema creation which can be altered by DBA's for setup compliance for varying corporate environments, i.e. TABLESPACE and SCHEMA target definitions.

To obtain Database Definition Language (DDL) scripts for a target DBMS type view the "SoftRater\DDL" subdirectory in the Insbridge IBFA installation directory.

i.e. C:\Program Files\Oracle\IGBU\Insbridge\SoftRater\DDL

Please allow the DBA to review the scripts before attempting to create a SoftRater database schema.

The SoftRater EJB data access system contains all the required JDBC drivers for connectivity to the support DBMS's. TCP/IP connection visibility to the DB Platform is required along with the database server system configured connection PORT for operational use of the SoftRater system. No other supplemental drivers or libraries are needed to establish a connection.

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.*

Microsoft SQL Server

JDBC Driver Class

"com.microsoft.jdbc.sqlserver.SQLServerDriver"

Supported Versions – 2005 SP/2 and 2008 SP/1

User Account Requirements

Create Table
Create Index
Execute on the SoftRater User Defined Stored Procedures

ORACLE

SoftRater database schema is support by all available ORACLE database platforms.

JDBC Driver Class

"oracle.jdbc.driver.OracleDriver"
Using prefix jdbc:oracle:thin:

Supported Versions – 10g, 11g

User Account Requirements

Create Table
Create Index
Query access to “SYS.OBJ$”

IBM DB2

SoftRater database schema is supported on all available DB2 database platforms.

JDBC Driver Class

“com.ibm.db2.jcc.DB2Driver”
For Native AS400 – “com.ibm.as400.access.AS400JDBCDriver”

Supported Version – 9.1

User Account Requirements

Create Table
Create Index
Query access to “SYSIBM.SYSTABLES”

Configuration Settings

- **Required**
  The query dynamics of the SoftRater system requires some modification to Configuration settings. The following Performance Configurations parameters required to the target SoftRater database.
  Instance Level – ASLHEAPSZ >= 1024
  Instance Level – QUERY_HEAP_SZ => 10240
  Database Level – APPLHEAPSZ >= 1024

- **Recommended**
  The query dynamics of the SoftRater system will benefit from the following modification to Configuration settings.

  Instance Level – INTRA_PARRALLEL (Yes) – For Symmetrical Processing Machines (CPU >=2)

  Database Level – DFT_DEGREE (-1) – For Symmetrical Processing Machines (CPU >=2). Allow the optimizer to determine the degree of intra-partition parallelism based on the number of processors and the type of query.

Native z/OS

Support for IBM DB2 for native z/OS requires a specific set of the DDL scripts. They are labeled in the ddls\db2 directory with the ZOS DB2.ZOS prefix. DBA’s should review these scripts, starting with the DB2.ZOS.SETUP.sql file that contains create templates for default; STORAGE GROUP, DATABASE, default TABLESPACE. All other table create scripts can be reviewed, altered and executed in any other to be consistent with chosen database standards.

Chapter 5

MANAGING SOFTRATER FOR WEBSPHERE

- All management functions should be performed by the IBSS admin interface available at: http://WAS_SERVER:PORT/IBSS/
- On a default WebSphere installation, this location will be http://WAS_SERVER:9080/IBSS/

NOTE: *You may have to update the SOAP Services and Application End Point before being able to administer the SoftRater server. Please check with your local WebSphere Administrator to find the correct values required.*

- Most of the management functions are self-explanatory but further explanations can be found in the Oracle Insurance Insbridge Rating and Underwriting SoftRater Services (IBSS) guide.

SoftRater Server Web

At the first screen of the Insbridge SoftRater Server the following will be displayed:

Figure 36 SoftRater Server Web

At this page, you can see the SoftRater Server web version, and be able to connect to the SoftRater, Update SOAP Services Configuration, or Update Application End Point. All of these options are discussed below in the Oracle Insurance Insbridge Rating and Underwriting SoftRater Server User Guide (IBSS).

Update SOAP Services Configuration

The following settings will not have to be changed unless under the direction of an experienced WebSphere administrator. These settings should only be changed if using either WebSphere ND or the standard WebSphere install configuration has been modified from the default to suit your environment.

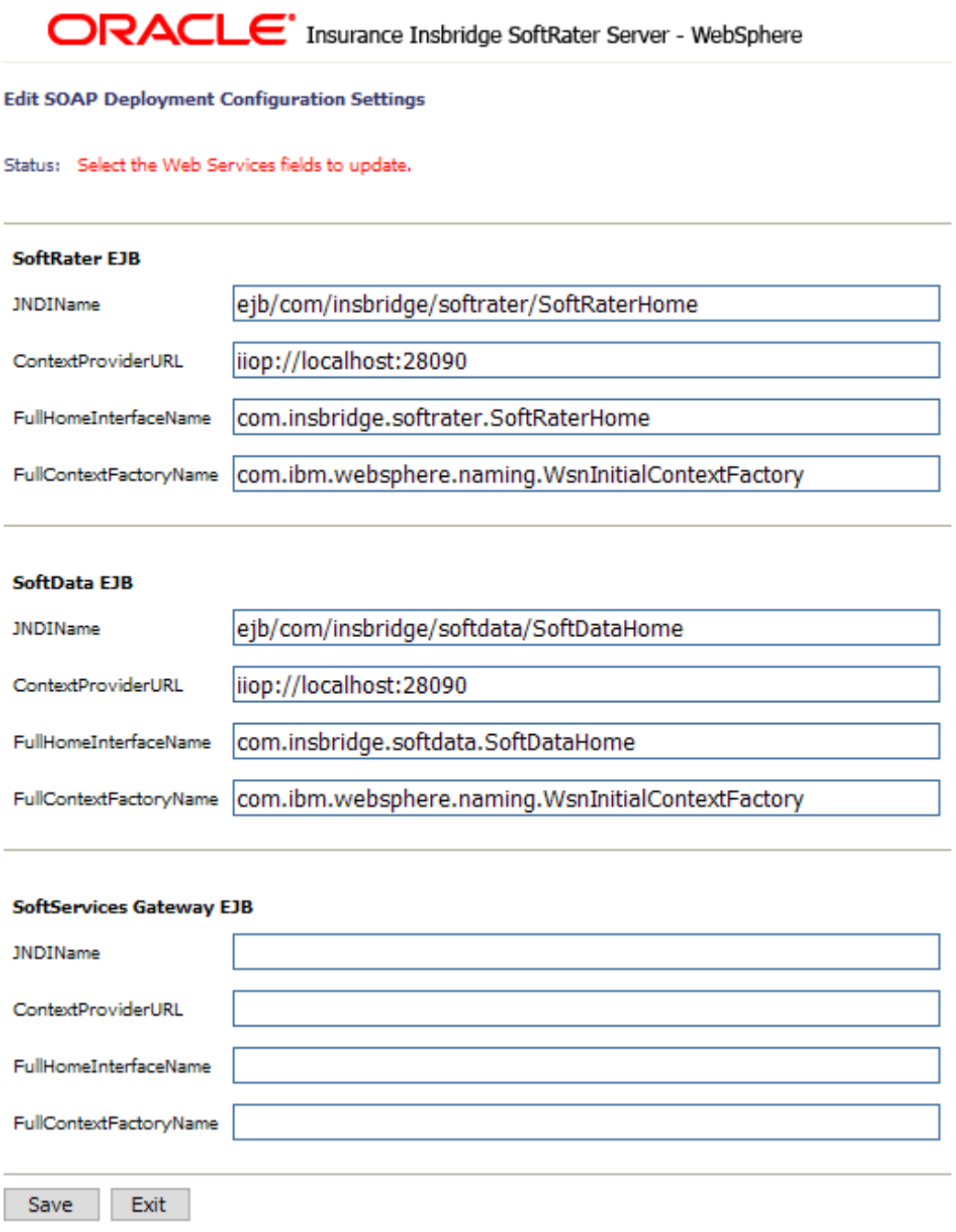


Figure 37 Updating SOAP Services

IMPORTANT: Oracle Insurance currently supports WebSphere 6.1 ND. The JNDIName on each cluster node will need to be modified to:

clusters/CLUSTERNAME/ejb/insbridge/....

A useful tool for discovering the JNDI Namespaces is available in the $WSAS_HOME\bin folder called dumpNameSpace.sh or dumpNameSpace..bat. The utility can be run without any command line arguments to retrieve all the available JNDI name spaces.

WARNING: **If these settings are different from the default WebSphere installation, then you must contact your WebSphere support personnel to provide these settings to you.**

Update Application End Point

Configuration location for changing from the default SOAP endpoint to a custom setting as dictated by the WebSphere configuration. No changes are required unless specified by a WebSphere administrator.

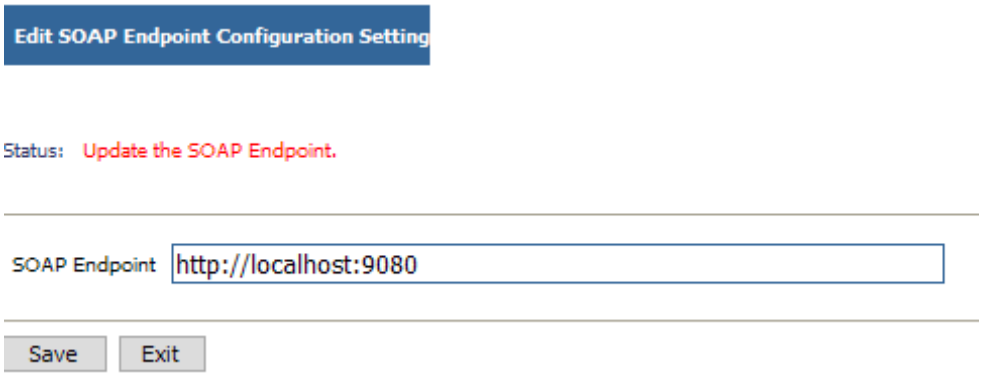


Figure 38 Updating SOAP Endpoint

NOTE: *If this setting is different from the default WebSphere installation, then you must contact your WebSphere support personnel to provide this setting for you.*

Chapter 6

UPGRADING THE APPLICATION

Oracle Insurance Insbridge Rating and Underwriting Release 4.1 has been tested and certified on WebSphere 6.0 and 6.1.

UPGRADE NOTICE

This notice is for customers currently running a SoftRater for Java engine release 3.12 or previous. This includes:

- **SoftRater for WebLogic**
- **SoftRater for WebSphere**
- **SoftRater for JBoss**

Necessary updates have been made to the SoftRater for Java engines:

- **SoftRater for WebSphere has been updated to SOAP version 1.1**.
- **SoftRater for WebLogic has been updated to SOAP version 1.2**.
- **SoftRater for JBoss has been updated to SOAP version 1.2**.

These changes mean that the WSDLs for the SoftRater for Java engines have been modified. Updated WSDL documents will need to be incorporated into any client calling application that communicates with SoftRater. If upgrades are done to the SoftRater for Java engines without updating the calling applications, the calling application will fail.

Please update a test environment prior to deploying to production. Install the .EAR file in a test environment to obtain the WSDL. Update your calling application and then test again. When testing is complete, you can upgrade your other environments.

NOTE: *Customers running a Windows only environment, without a Java component, will not be affected.*

These updates are for the SoftRater for Java engines only.

UPGRADING FROM A PREVIOUS RELEASE

Upgrading from Oracle Insurance Insbridge Rating and Underwriting **Release 3.12 or previous** to release 4.1 will require the previous .EAR and config files to be removed. The new .EAR file can then be deployed and the new config file must be implemented.

WSDLs have been updated in this release. Any application making a call to SoftRater will need to be updated with the new WSDL. If upgrades are done to SoftRater for WebSphere without updating the calling application, the calling application will fail.

NOTE: UPGRADE YOUR TEST ENVIRONMENT PRIOR TO PRODUCTION.

1. Make a back-up copy of the current config file. The configuration information will need to be re-entered in IBSS. The updated config file will not contain this information. This information cannot be directly imported but a copy of the original file may be helpful when re-entering.
2. Stop the WebSphere Service.
3. Uninstall the old .EAR file.
4. Install the new .EAR file. Please see Step 2: Installing the EAR File
5. Remove the old config file.
6. Install the new config file. Please see **Error! Reference source not found.**.
7. Start the WebSphere Service.
8. Enter IBSS. You will need to re-enter the config information. Please see the Insbridge Rating and Underwriting SoftRater Server Guide.
9. If necessary, obtain any WSDL information from IBSS and update any calling application.
10. Test your configuration and updated calling applications before deploying to production.

NOTE: *You do not need to do an upgrade if you are running release 3.13.5, 4.0, or 4.1.*

SQL SERVER UPGRADE

If you are utilizing SQL Server and want to keep your current Environment settings, you will need to edit the insbridge.net.softraterconfig.xml file.

1. Deploy the new .EAR file.

2. Open the insbridge.net.softraterconfig.xml. The insbridge.net.softraterconfig.xml file will be located in the folder you setup when you initially installed SoftRater for WebSphere. For example, C:\Insbridge\config.

3. Make a back-up copy of this file.

4. In the insbridge.net.softraterconfig.xml file, find this section:

```
<jdbcDriver provider="1" name="SQLSERVER">
  <jdbcDriverClassName>com.microsoft.jdbc.sqlserver.SQLServerDriver</jdbcDriverClassName>
  <jdbcUrlPrefix>jdbc:microsoft:sqlserver://</jdbcUrlPrefix>
  <jdbcFetchSize>25</jdbcFetchSize>
</jdbcDriver>
```

   And replace it with this:

```
<jdbcDriver provider="1" name="SQLSERVER">
  <jdbcDriverClassName>com.microsoft.sqlserver.jdbc.SQLServerDriver</jdbcDriverClassName>
  <jdbcUrlPrefix>jdbc:sqlserver://</jdbcUrlPrefix>
  <jdbcFetchSize>25</jdbcFetchSize>
</jdbcDriver>
```

5. Restart the Application Server.

If you do not need your current environments:

1. Copy the existing insbridge.net.softraterconfig.xml and park it in a safe place. This is precautionary.

2. Copy the insbridge.net.softraterconfig.xml from the SoftRater for WebSphere 04.01.00 zip file.

3. Paste the new file over the current file. The insbridge.net.softraterconfig.xml file will be located in the folder you setup when you initially installed SoftRater for WebSphere. For example, C:\Insbridge\config.

If this is a new installation, you are not required to do any additional steps.

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

TTY ACCESS TO ORACLE SUPPORT SERVICES

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