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Data Capture

SoftRater for WebLogic Installation Guide

Release 5.1

May 2013

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Oracle Insurance Insbridge Data Capture SoftRater for WebLogic Installation Guide

Release 5.1

Part # E39430-01

Library # E39498-01

May 2013

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CONTENTS

PREFACE IV
Audience iv
Relate Documents iv
Conventions iv
Manual History v

QUICK VIEW

SOFTRATER FOR WEBLOGIC INSTALLATION 6

CHAPTER 2

SETTING UP IBSS IN WEBLOGIC 7
Step 1: Creating a New Server Domain 7
Configuration Wizard 8
Step 2: Placing the Configuration Files 16
Step 3: Adding a System Property to WL Server 17
Adding to the WebLogic Server – Windows 17
Adding to the WebLogic Server – Linux 18
Step 4: Starting the WebLogic Server 19
Accessing the WebLogic Main Console 19
Step 5: Installation of the .EAR File 20

SUPPORT

CONTACTING SUPPORT 22
TTY Access to Oracle Support Services 22

INDEX

INDEX 23

LIST OF FIGURES

FIGURE 1 CREATING A NEW SERVER DOMAIN IN WINDOWS 7
FIGURE 2 CREATING NEW WEBLOGIC DOMAIN 8
FIGURE 3 SELECTING DOMAIN SOURCE 9
FIGURE 4 SPECIFYING DOMAIN NAME AND LOCATION 10
FIGURE 5 CREATING USER NAME AND PASSWORD 11
FIGURE 6 CONFIGURING SERVER START MODE AND JDK 12
FIGURE 7 CUSTOMIZING ENVIRONMENT AND SERVICE SETTINGS 13
FIGURE 8 CREATING WEBLOGIC DOMAIN 14
FIGURE 9 START MENU 15
FIGURE 10 STARTWEBLOGIC.CMD FILE 17
FIGURE 11 – EDITING STARTWEBLOGIC.CMD FILE 18
FIGURE 12 – EDITED STARTWEBLOGIC.CMD FILE 18
FIGURE 13 LOGGING INTO WEBLOGIC SERVER 19
FIGURE 14 SELECT THE APPLICATION .EAR 20
FIGURE 15 – VERIFY APPLICATION INSTALLATION 20
FIGURE 16 – SUCCESSFUL INSTALLATION 21

PREFACE

Welcome to *Oracle Insurance Insbridge Data Capture SoftRater for WebLogic Installation Guide*. This guide describes how to install and configure SoftRater for WebLogic Server 10.3.6 for Oracle Insurance Data Capture.

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 IBSS.

NOTE: *SoftRater for WebLogic has been tested and supports WebLogic 11gR1 (10.3.6) utilizing Oracle Linux 5.8 64-bit.*

AUDIENCE

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

RELATE DOCUMENTS

For more information, refer to the following Oracle resources:

- The Oracle Insurance Data Capture Install Guide.
- The Oracle Insurance Insbridge Rating and Underwriting SoftRater Server Guide.
- You can view these guides online at this address:

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

CONVENTIONS

This document may reference the following abbreviations:

- **WL:** WebLogic Server
- **JNDI:** Java Naming and Directory Interface

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 Release	Publication Date	Comment
1st Edition	P01-210-01	V 5.1	May 2013	WebLogic 10.3.6

SOFTRATER FOR WEBLOGIC INSTALLATION

Installing SoftRater for WebLogic requires that you:

Set up WebLogic and deploy the SoftRater for WebLogic .EAR file and config file. There are six steps in setting up WebLogic and deploying SoftRater.

Setting up and Deploying in WebLogic

Step 1: Creating a New Server Domain

Step 2: Placing the Configuration Files

Step 3: Adding a System Property to WL Server

Step 4: Starting the WebLogic Server

Step 5: Installation of the .EAR File

Chapter 2

SETTING UP IBSS IN WEBLOGIC

WebLogic 10.3.6 should be up and running prior to deploying the .EAR file. There are five required steps for setting up IBSS in WebLogic and one optional step.

- **Step 1:** IBSS requires a separate domain from OIDC. **This is a required step.**
- **Step 2:** The Configuration Files must be placed in a static location. **This is a required step.**
- **Step 3:** A System Property must be added to the WebLogic Server. **This is a required step.**
- **Step 4:** Starting the WebLogic Server. **This is a required step.**
- **Step 5:** Installation of the .EAR File. **This is a required step.**
- **Step 6:** Setting up a SoftLibray in IBSS. This is an optional step and can be performed at a later time.

STEP 1: CREATING A NEW SERVER DOMAIN

IBSS is an .EAR file that is deployed in a WebLogic instance. WebLogic 10.3.6 should be up and running prior to deploying the .EAR file. It is recommended that IBSS be placed in a domain that is separate from other applications to reduce the possibility of conflict.

In Windows

To create a new server domain:

Start Menu→Oracle WebLogic→WebLogic Server 11gR1→Tools→ Configuration Wizard

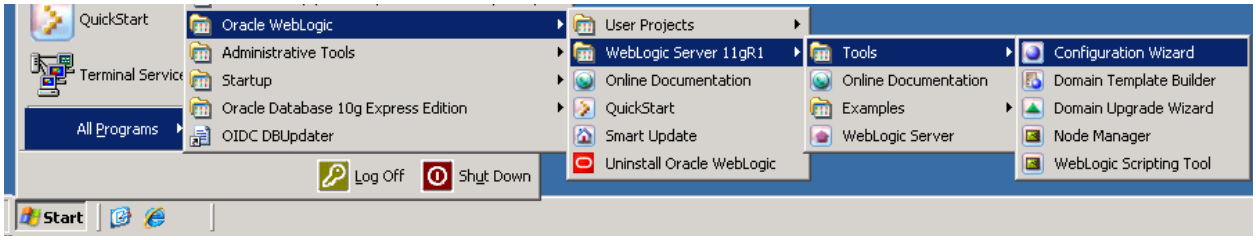

Figure 1 Creating a New Server Domain in Windows

In Linux

To create a new server domain:

Log in as any **non-root installer** and launch the Domain Creation Wizard for WebLogic. For example:

```
cd /home/INSTALLER/Oracle/Middleware/utils/quickstart/quickstart.sh
```

Follow the wizard according to your company standards. In most cases, for the Insbridge application, a default basic configuration could be used.

NOTE: *This is a suggested domain setup. Your setup may vary.*

It is not required that you set up a separate domain. If you do create a separate Insbridge domain, please verify that there are no port issues. The Insbridge .EAR file can be installed on an already exiting domain.

CONFIGURATION WIZARD

On the Welcome screen, you will want to create a new WebLogic domain.

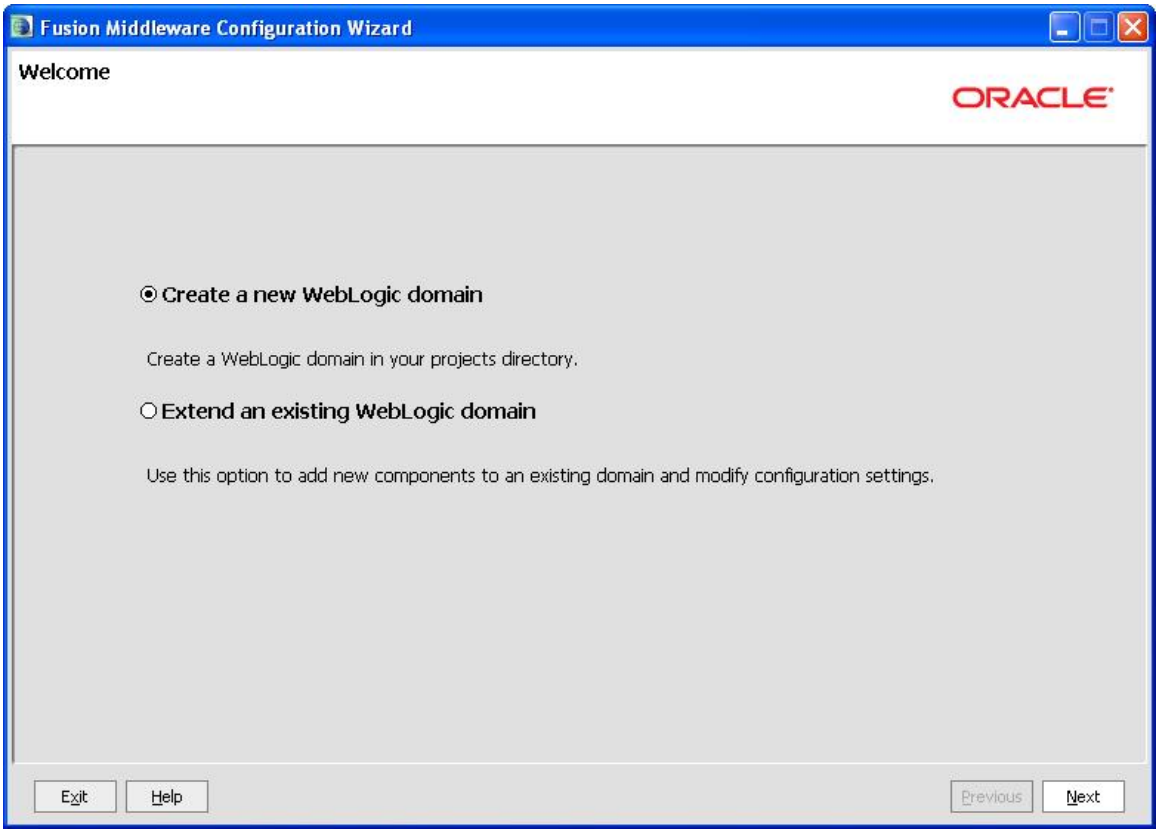

Figure 2 Creating New WebLogic Domain

1. Select **Create a New WebLogic domain**.
2. Click **Next** to advance to the next screen.

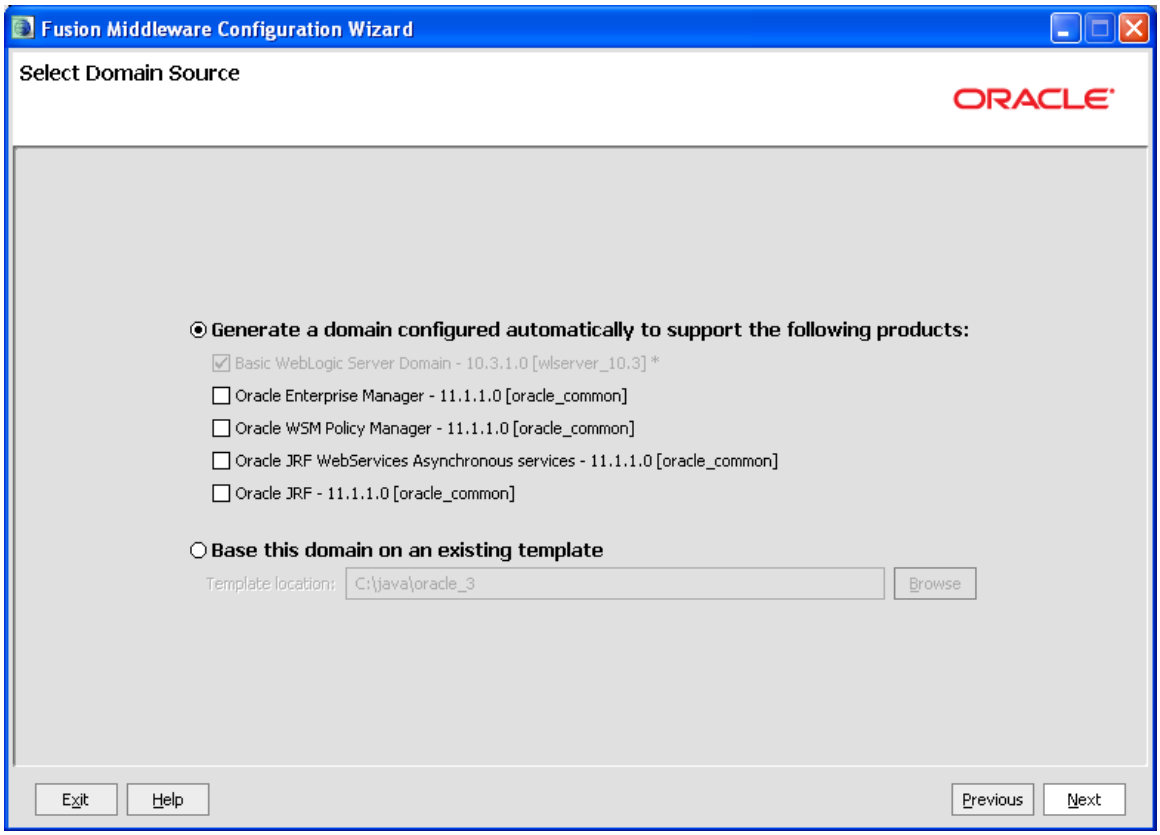

Figure 3 Selecting Domain Source

3. For a basic installation, select **Generate a domain configured automatically to support the following products:** The **WebLogic Server** option is the only option you will need to select.

4. Click **Next** to continue.

NOTE: **DO NOT** select the Select Oracle JRF - 11.1.1.0 [oracle_common]*. IBSS does NOT require this product.*

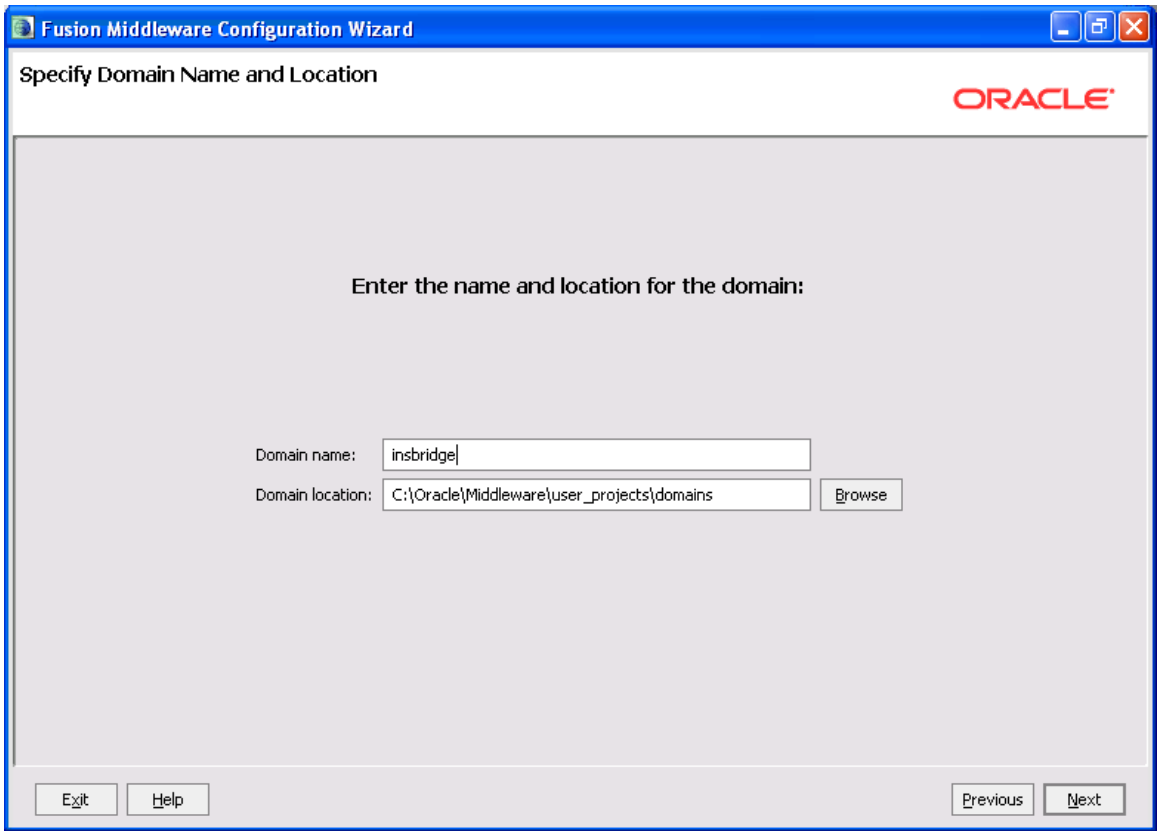

Figure 4 Specifying Domain Name and Location

5. Specify the **Domain Name** and **Location**. The domain name can be anything that meets your company standards.

6. Click **Next** to continue.

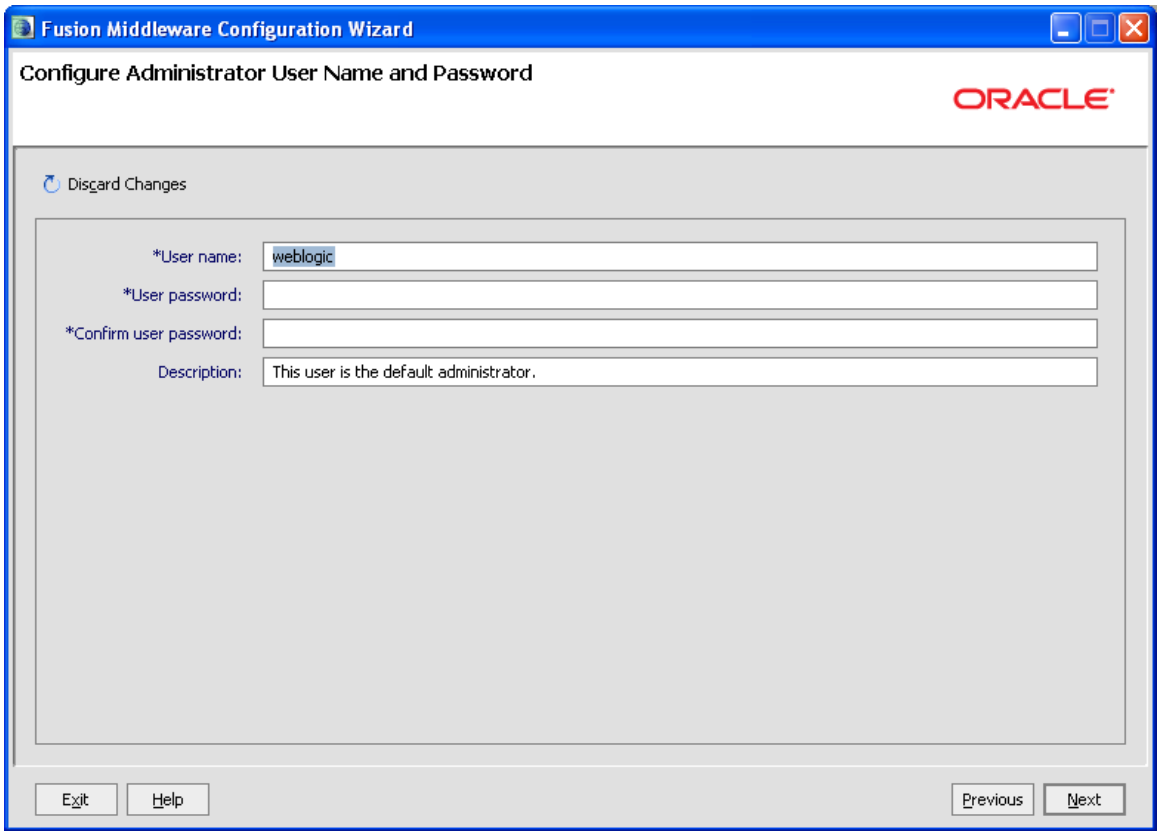

Figure 5 Creating User Name and Password

7. Next, configure the Administrator User name and password. The **User name** and **password** are WebLogic, unless otherwise specified.

8. The **Description** is optional.

9. Click **Next** to continue.

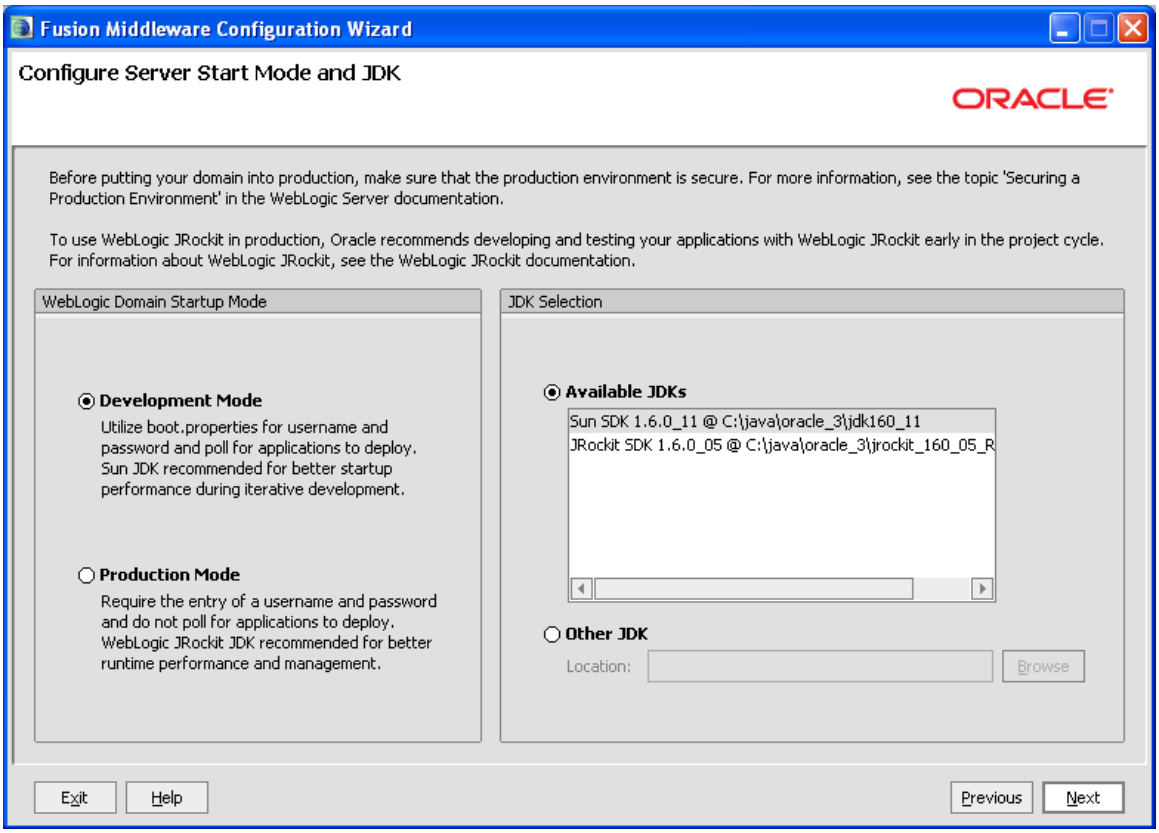

Figure 6 Configuring Server Start Mode and JDK

10. Select **Development Mode** for the Startup Mode.
11. Select the supplied **Sun SDK** in the **Available JDKs** area.
12. Click **Next** to continue.

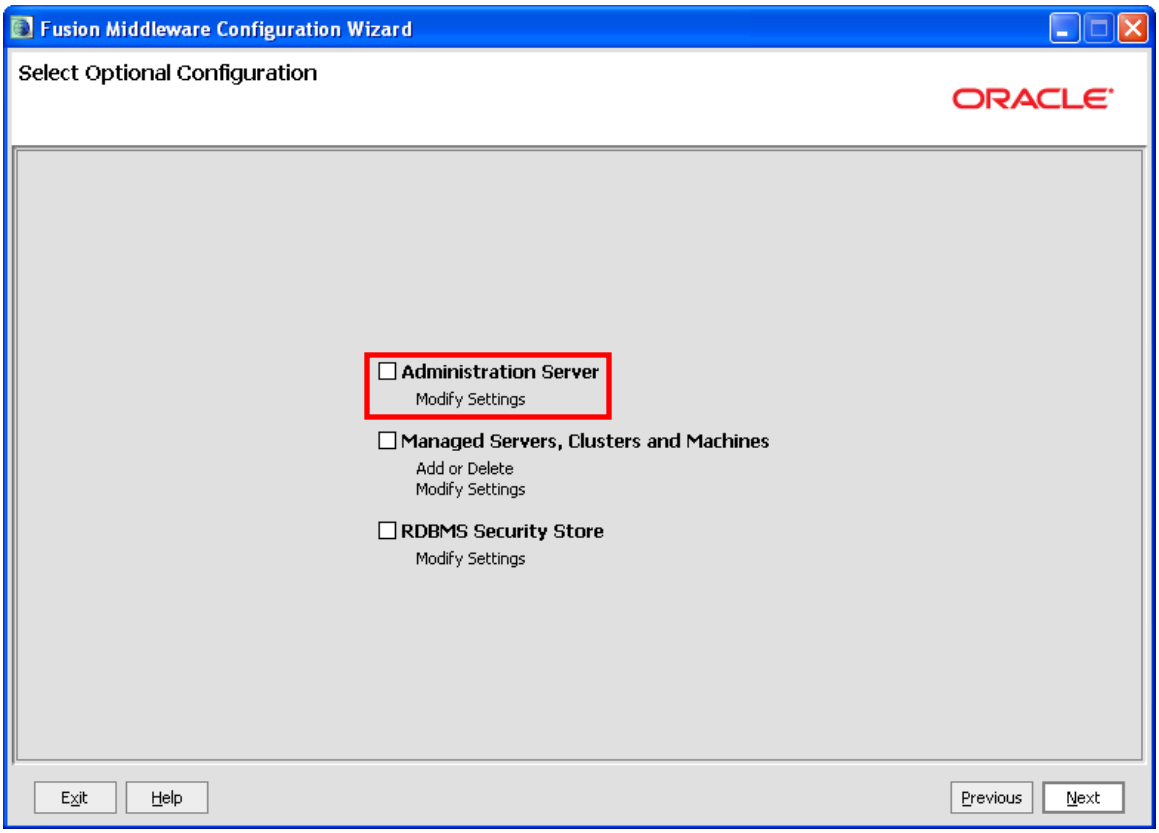

Figure 7 Customizing Environment and Service Settings

13. While not required, it is recommended that IBSS be on a port separate from OIDC. To create a dedicated port for Insbridge, select Administration Server and set the port that you want to use. Make note of the port number you choose. The port number will be required for further installation instructions.

14. Click **Next**.

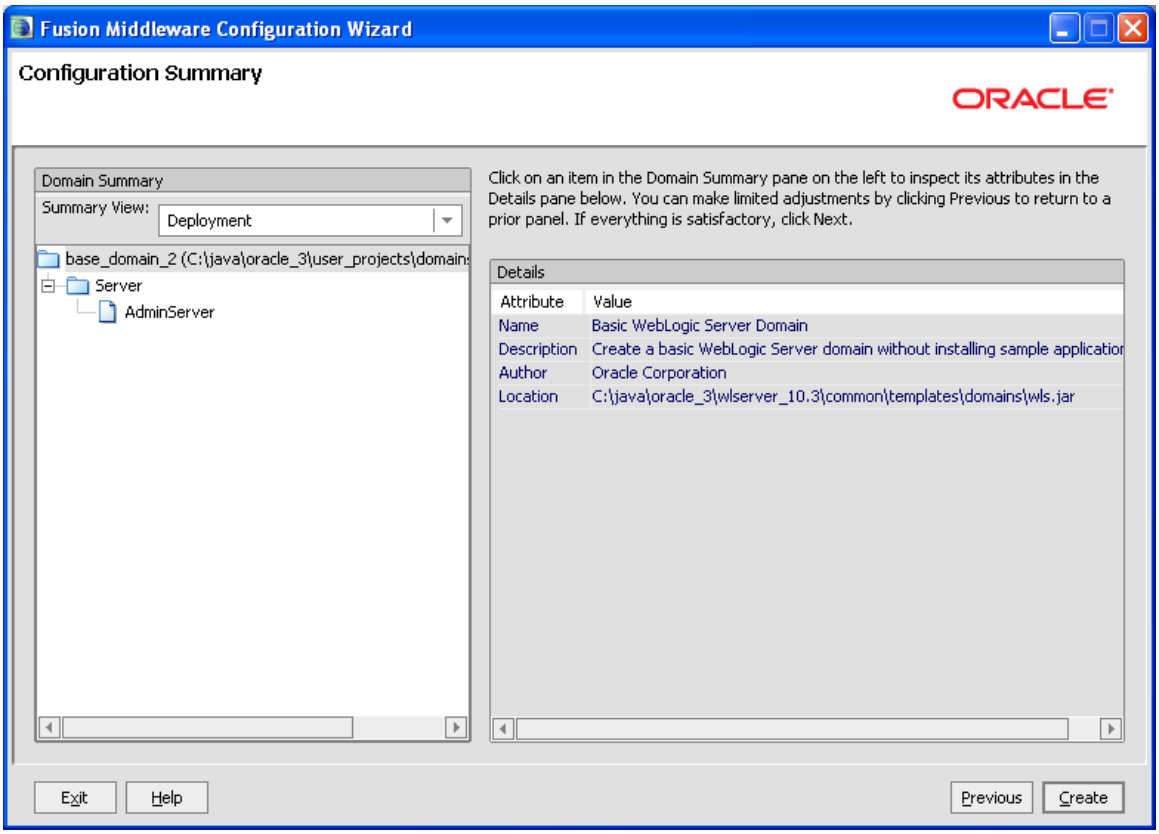

Figure 8 Creating WebLogic Domain

15. No other changes are necessary. Click **Create**.

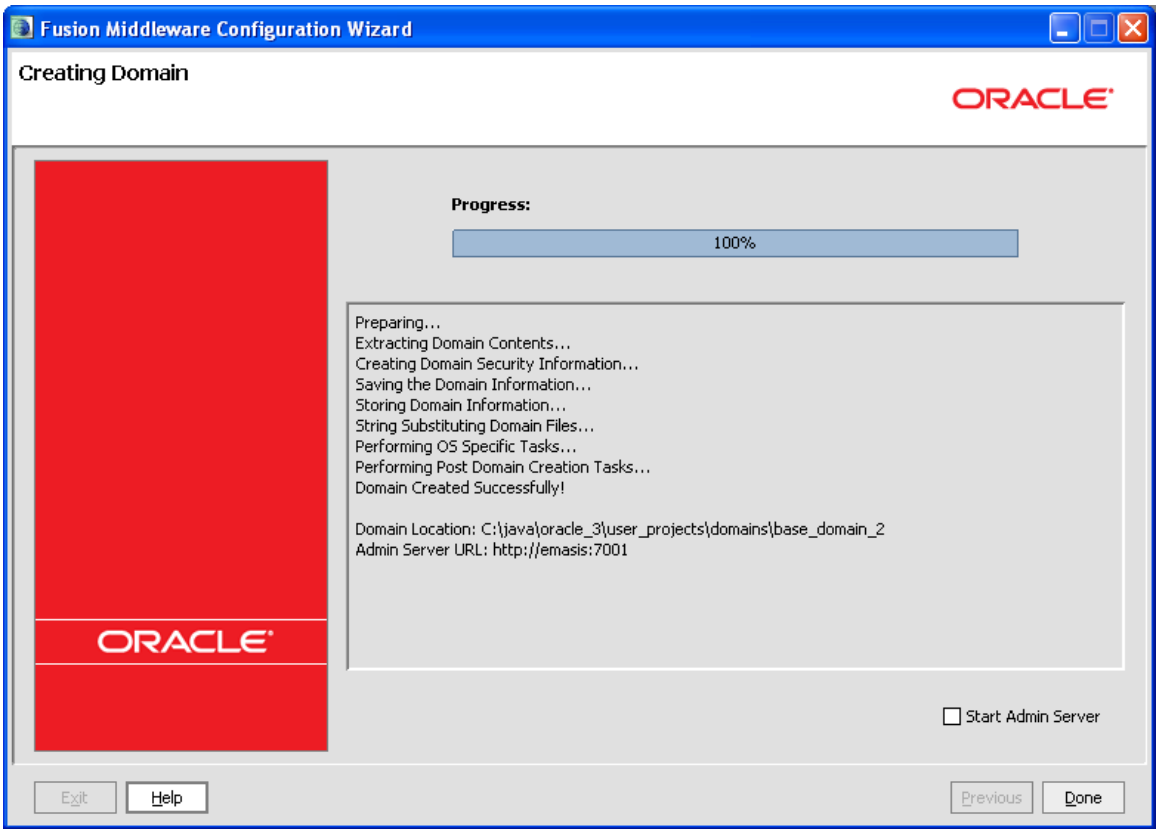

Figure 9 Start Menu

16. WebLogic will begin the creation of the Domain. The progress bar will display 100% when complete.

17. Click **Done** to close the Wizard. The domain is ready to use.

STEP 2: PLACING THE CONFIGURATION FILES

This is a required step. The configuration files must be in place prior to the SoftRater installation.

We suggest creating an Insbridge config folder but you may use any folder name you want and you can place the folder any where you want. This folder holds the necessary files for the SoftRater for WebLogic installation. Take note of the location and make sure you have created this folder prior to running the installation.

- For a Windows environment, C:\Insbridge\config
- For a Linux environment, `home/Insbridge/config`

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

The SoftRater for WebLogic zip file should be downloaded to the WebLogic server prior to configuration. Unzip the file. There will be an XML file and an .EAR file inside.

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

Place these files in the C:\Insbridge\config folder.

NOTE: *It is important that the configuration path specified in the Adding a System Property to WL Server section of this document contain both the application and configuration files. These files need to be placed where you specify in the startWebLogic.cmd file.*

Once you have these files in place, do not move them.

STEP 3: ADDING A SYSTEM PROPERTY TO WL SERVER

This is a required step. The system properties must be configured prior to SoftRater being installed.

The Insbridge application requires a shared variable on the WebLogic Server that points to the location of the configuration files.

In WebLogic, it is not possible to define variables as part of the Server JNDI. For this reason, you must create a Java System property in the server initialization that can be used by the application to retrieve the path that accesses the system configuration files.

NOTE: *If the server domain was running during these modifications, you will need to restart the server before proceeding.*

Adding to the WebLogic Server – Windows

1. In a Windows Explorer window, enter the server domain location, i.e. %Domain=Home%.

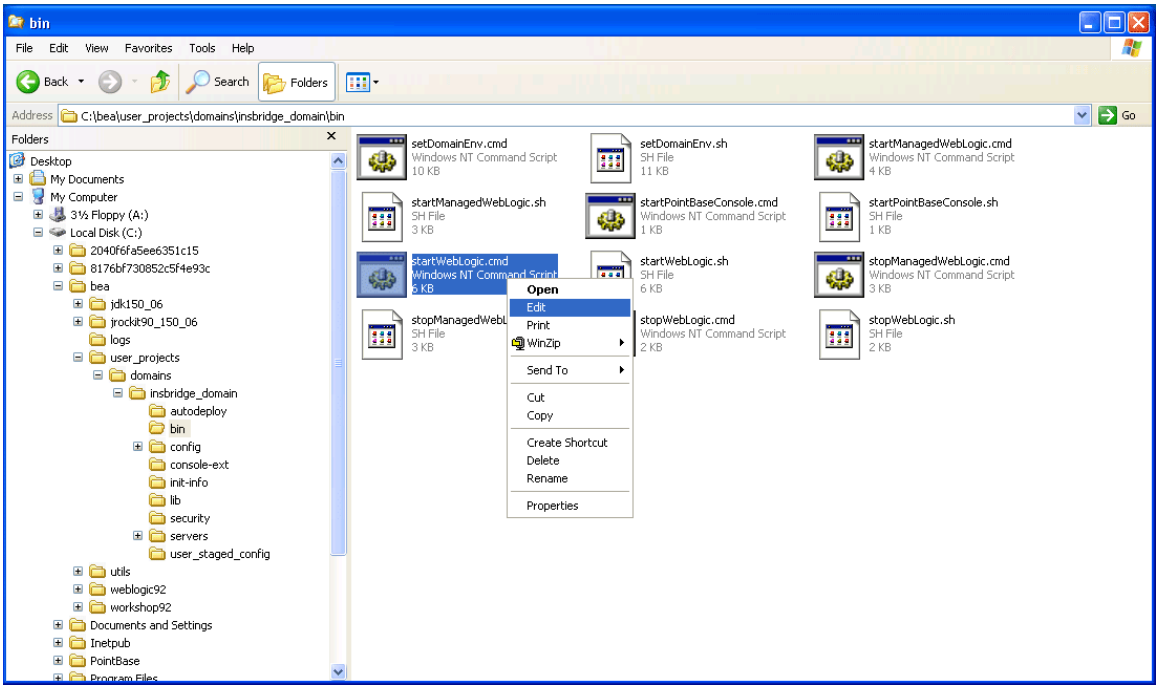

Figure 10 startWebLogic.cmd File

2. In the "**bin**" folder locate the "**startWebLogic.cmd**" file. Make a backup of the "**startWebLogic.cmd**" file.

3. Open the "**startWebLogic.cmd**"file and right click to **Edit**. Scroll towards the end of the file.

```
if "%WLS_REDIRECT_LOG%"=="" (

%JAVA_HOME%\bin\java %JAVA_VM% %MEM_ARGS% %JAVA_OPTIONS% -Dweblogic.Name=%SERVER_NAME% -
Djava.security.policy=%WL_HOME%\server\lib\weblogic.policy %PROXY_SETTINGS% %SERVER_CLASS%

) else (

%JAVA_HOME%\bin\java %JAVA_VM% %MEM_ARGS% %JAVA_OPTIONS% -Dweblogic.Name=%SERVER_NAME% -
Djava.security.policy=%WL_HOME%\server\lib\weblogic.policy %PROXY_SETTINGS% %SERVER_CLASS%
>"%WLS_REDIRECT_LOG%" 2>&1

)
```

Figure 11 – Editing startWebLogic.cmd File

4. Locate the **DOS if instruction** that looks similar to the one in Figure 11. Your exact file may have slight variations.

5. In both conditions of this instruction you will need to insert the following system property declaration:

   - `-DINSBRIDGE_APP_DIR="C:\Insbridge\config". If you copy, please verify valid characters have been entered.`

     In this declaration, add a system property to the Java Virtual Machine using the "**-D**" parameter, then specify "**INSBRIDGE_APP_DIR**" as the name of the new variable.

     You must also specify the path where the configuration file will be located. i.e. "**C:\Insbridge\Config**". Where **C:\Insbridge\config** is the folder you created earlier.

6. **Save** your changes.

```
if "%WLS_REDIRECT_LOG%"=="" (

%JAVA_HOME%\bin\java %JAVA_VM% %MEM_ARGS% %JAVA_OPTIONS% -Dweblogic.Name=%SERVER_NAME% -
Djava.security.policy=%WL_HOME%\server\lib\weblogic.policy -DINSBRIDGE_APP_DIR= "C:\Insbridge\Config"
%PROXY_SETTINGS% %SERVER_CLASS%

) else (

%JAVA_HOME%\bin\java %JAVA_VM% %MEM_ARGS% %JAVA_OPTIONS% -Dweblogic.Name=%SERVER_NAME% -
Djava.security.policy=%WL_HOME%\server\lib\weblogic.policy -DINSBRIDGE_APP_DIR= "C:\Insbridge\Config"
%PROXY_SETTINGS% %SERVER_CLASS% >"%WLS_REDIRECT_LOG%" 2>&1

)
```

Figure 12 – Edited startWebLogic.cmd File

7. The variable will be added to the Server the next time it is started.

Adding to the WebLogic Server – Linux

The procedure is similar in Linux. Locate the "**startWebLogic.sh**" file. In many instances, the file will be located in: `../Oracle/Middleware/user_projects/domains/insbridge/bin`. Open the file and right click to **Edit**. Scroll towards the end of the file and make the necessary changes, for example:

```
-DINSBRIDGE_APP_DIR="/home/INSTALLDIR/Insbridge"
```

STEP 4: STARTING THE WEBLOGIC SERVER

In Windows

To start the WebLogic server:

Start Menu→Oracle WebLogic→User Projects→<Your Server Domain>→Start Admin Server for WebLogic Server Domain.

In Linux

To start the WebLogic server, open up a Terminal and navigate to the WebLogic installation directory, for example:

```
cd /home/INSTALLDIR/Oracle/Middleware/user_projects/domains/xxxx nohup
./startWeblogic.sh &
```

Where xxxx equals the domain name

NOTE: *Please do not close the command prompt window that starts the service. Closing the command prompt window will stop the webserver instance.*

Accessing the WebLogic Main Console

The WebLogic Main Console can be accessed once the WebLogic server domain is running by typing http://<ServerName or IP Address>:<Port>/console on your browser. i.e. http://localhost:7001/console

You will need the administrator username and password for the server domain where you want to install SoftRater.

Figure 13 Logging into WebLogic Server

STEP 5: INSTALLATION OF THE .EAR FILE

The installation of the Insbridge .EAR File begins in the same way as the installation of the WebLogic library.

1. From the Summary of Deployments Page, click the **Install** button. The screen will refresh to the Install Application Assistant page.

2. The list of Locations will be displayed. Click the location you need to reach the .EAR file.

3. Select the **.EAR** file.

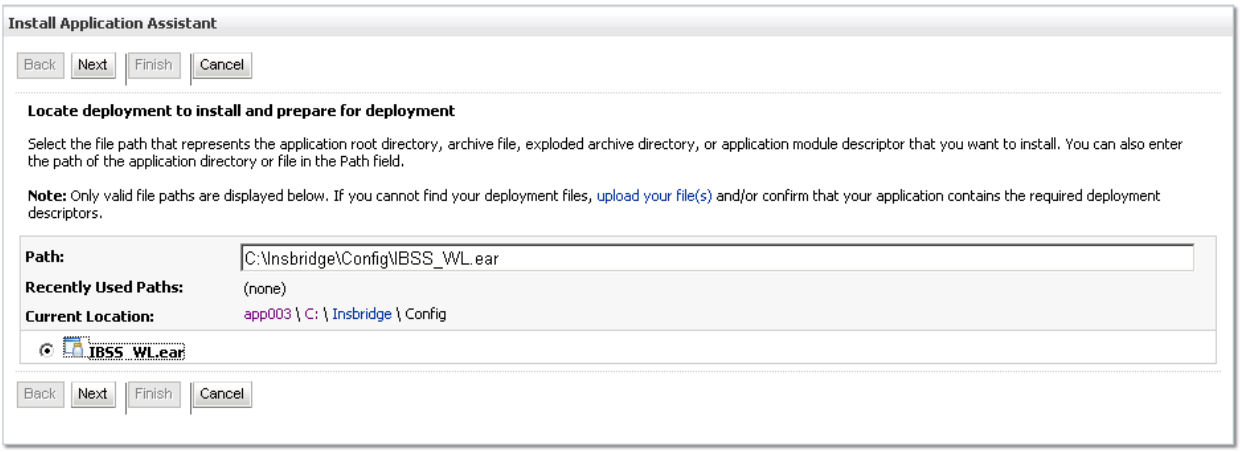

Figure 14 Select the Application .EAR

4. Click **Next**.

5. On the **Install Application Assistant** page, select to **Install this deployment as an application**. Click **Next**.

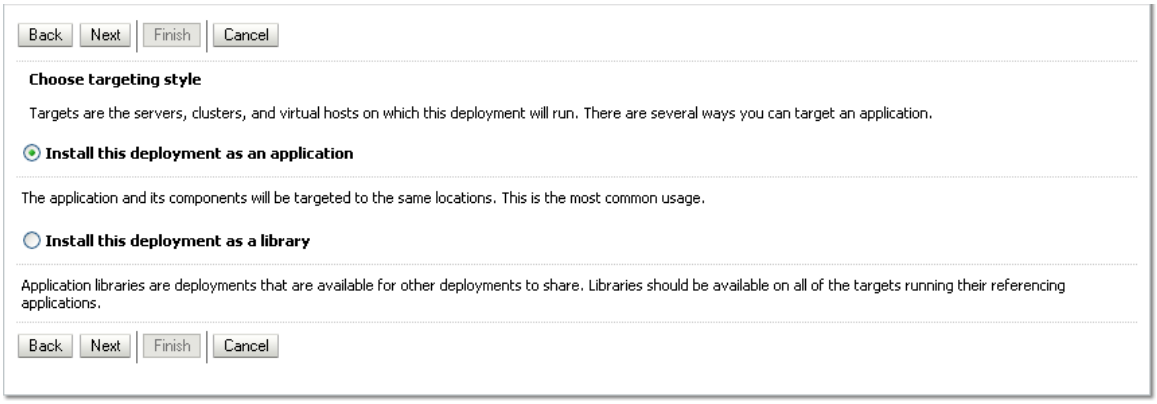

Figure 15 – Verify Application Installation

6. On the **Optional Settings** page, it is recommended that you keep the default values. The deployment name should appear as IBSS_WL.

7. Click **Finish**.

8. After the .EAR File has been added, you will be placed on the Summary of Deployments page. The .EAR File you added will be listed. Read the messages at the top of the screen and correct any error messages.

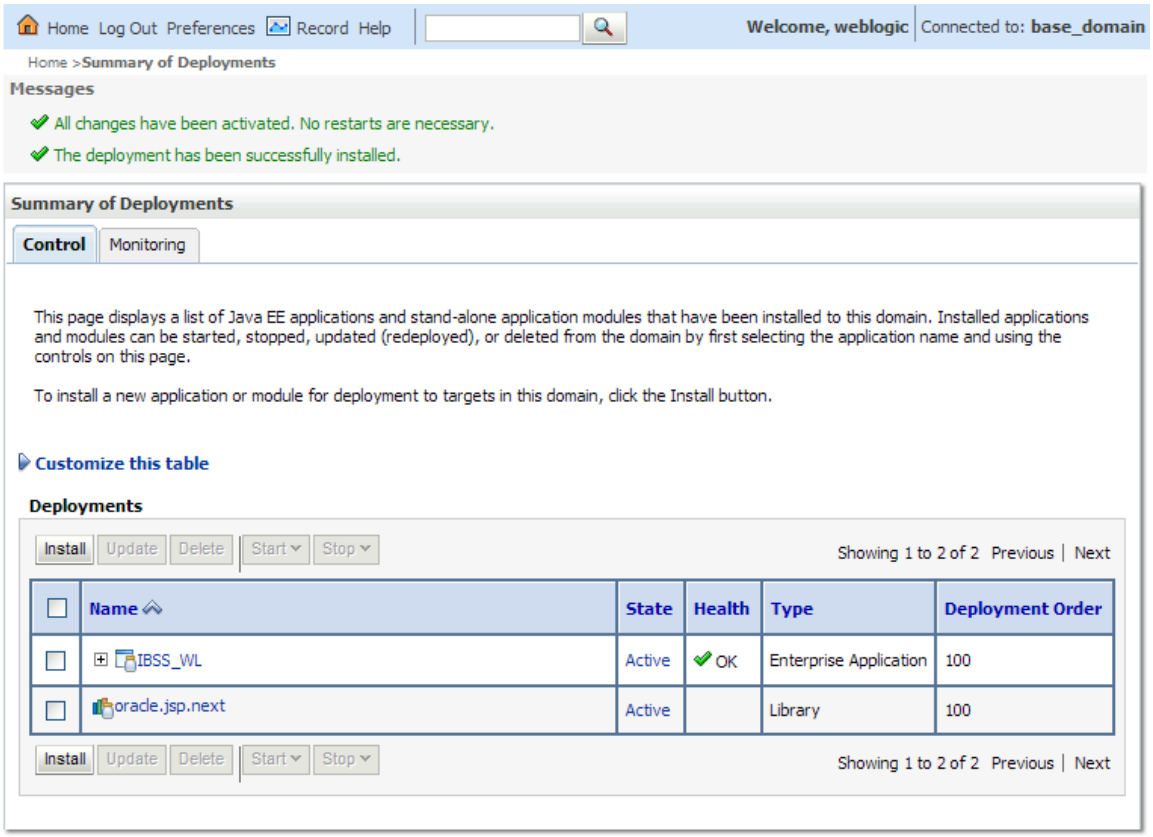

Figure 16 – Successful Installation

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

Accessing
  WebLogic Console, 19
Adding
  System Property, 17

C

Command Prompt Window
  Closing, 19
Config File
  Locating, 16

D

Deployment
  Optional Settings, 20
DINSBRIDGE_APP_DIR
  Adding, 17

E

Editing
  WebLogic Server, 17
Edition Notice, 2

I

IBSS, iv
Insbridge SoftRater Server, iv

O

Optional Settings
  Deployment, 20

R

Requirements, 16

S

Starting
  WebLogic Server, 19
System
  Adding Property, 17