#### Oracle® GoldenGate

Installing and Configuring Oracle GoldenGate Monitor 12*c* (12.2.1) **E60964-01** 

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This document describes how to install and configure Oracle GoldenGate Monitor Server.



Oracle GoldenGate Installing and Configuring Oracle GoldenGate Monitor, 12c (12.2.1)

E60964-01

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# Preface

This document describes how to install and configure an Oracle GoldenGate Monitor.

## **Audience**

This document is intended for system administrators or application developers who are installing and configuring the Oracle GoldenGate Monitor Server. It is assumed that readers have a working knowledge of the installation and configuration of Oracle WebLogic Server, the certified database of choice, and Java Development Platform (JDK). In addition, readers must have a general understanding of the Windows or UNIX platforms.

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## **Related Documents**

For more information, see the following documents in the Oracle GoldenGate Monitor documentation set:

- Administering Oracle GoldenGate Monitor
- Oracle GoldenGate Monitor Console Online Help
- Oracle GoldenGate Installing and Configuring Oracle GoldenGate Monitor
- Upgrading to Oracle GoldenGate Monitor 12.2.1
- Release Notes for Oracle GoldenGate Monitor

### Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
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.

# Introduction

This chapter is an introduction to the installation and configuration procedures for Oracle GoldenGate Monitor. It is comprised of the following sections:

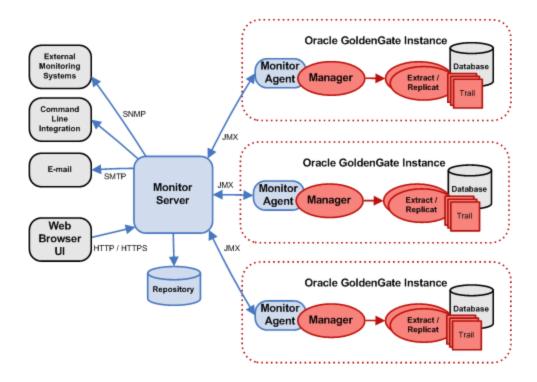
- Section 1.1, "About Oracle GoldenGate Monitor"
- Section 1.2, "Oracle GoldenGate Monitor Architecture"
- Section 1.3, "Installation and Configuration Roadmap"

## 1.1 About Oracle GoldenGate Monitor

Oracle GoldenGate Monitor is a real-time, web-based monitoring console for the Oracle GoldenGate replication solution. Oracle GoldenGate Monitor delivers an at-a-glance, graphical view of all of the Oracle GoldenGate instances and their associated databases within your enterprise. Instantly, you can view statistics, targeted views, and alerts that will help you to monitor the performance of all of the objects in the Oracle GoldenGate configuration and detect problems, such as lag or abended processes, the moment that they occur. Oracle GoldenGate Monitor can send alert messages to its own console workspaces, as well as to email, SNMP, and CLI clients.

## 1.2 Oracle GoldenGate Monitor Architecture

Oracle GoldenGate Monitor uses a browser-based graphical user interface to monitor Oracle GoldenGate instances remotely. It includes the components shown in the diagram.



#### 1.2.1 Oracle GoldenGate

An Oracle GoldenGate Monitor Server communicates with one or more Oracle GoldenGate instances using Java Management Extensions (JMX). The Manager process for each Oracle GoldenGate instance is associated with an Oracle GoldenGate Agent that supplies information about the instance to the Oracle GoldenGate Monitor Server.

### 1.2.2 Oracle GoldenGate Agent

An Oracle GoldenGate Agent is installed with each Oracle GoldenGate instance. It collects information about the instance and sends it to the Oracle GoldenGate Monitor Server. The Oracle GoldenGate Monitor Agent is installed separately from Oracle GoldenGate Monitor. It operates in one of two modes, Oracle GoldenGate Monitor Server or Oracle GoldenGate Enterprise Management Plug-In. For those installation and configuration procedures, see Oracle GoldenGate *Installing and Configuring Oracle GoldenGate Monitor Agent*.

### 1.2.3 Oracle GoldenGate Monitor Server

The Oracle GoldenGate Monitor Server coordinates the monitoring of multiple Oracle GoldenGate instances. The Oracle GoldenGate Monitor Server is a Java application that:

- processes information from Oracle GoldenGate Agents and communicates it to the web browser and
- manages users, history, the display of information, and notifications triggered by events.

### 1.2.4 Oracle GoldenGate Monitor Repository

The Oracle GoldenGate Monitor Server uses a database as a central repository to store information about users and groups, process status, events, and other information.

## **1.3 Installation and Configuration Roadmap**

Installing and configuring Oracle GoldenGate Monitor Server comprises these steps:

- 1. Meet prerequisites described in Chapter 2, "Preparing to Install".
- **2.** Run the Oracle Universal Installer (OUI) to install Oracle GoldenGate Monitor Server. For instructions, see Section 3.1, "Installing Oracle GoldenGate Monitor".
- **3.** Run the Repository Configuration Utility (RCU) to create Oracle GoldenGate Monitor-specific repository. For instructions, see Section 3.2, "Creating a Repository".
- 4. Run the Configuration Wizard to create Oracle WebLogic Server domain for Oracle databases. For instructions, see Section 4.1, "Configuring Oracle GoldenGate Monitor Server for Oracle Databases".

If you are using a supported non-Oracle database, follow the additional instructions in Section 4.2, "Configuring Oracle GoldenGate Monitor Server for SQL Server Databases".

- **5.** Perform the manual configuration steps to finish creating your domain. For instructions, see Section 4.4, "Completing Monitor Server Configuration".
- **6.** Start Oracle GoldenGate Monitor Server. For instructions, see Section 4.5, "Starting Oracle GoldenGate Monitor Server".
- 7. Add and/or update users from the Oracle WebLogic Server Administration console, as described in Chapter 5, "Managing Users from the WebLogic Administration Console".

# **Preparing to Install**

This is a chapter describes the prerequisites you must meet before you can successfully install and configure Oracle GoldenGate Monitor. It is comprised of these sections:

- Section 2.1, "Verifying Certification and System Requirements"
- Section 2.2, "Install JDK on the Target Machine"
- Section 2.3, "Install Oracle WebLogic Server 12c (12.2.1)"
- Section 2.4, "Install the Database Software"
- Section 2.5, "Next Step: Install and Configure Oracle GoldenGate Monitor"

**Note:** If your machine configuration already meets the criteria specified in this chapter, proceed to Chapter 3, "Installing Oracle GoldenGate Monitor".

## 2.1 Verifying Certification and System Requirements

The certification matrix and system requirements documents should be used in conjunction with each other to verify that your environment meets the necessary requirements for installation.

#### Step 1 Verify Your Environment Meets Certification Requirements

Make sure that you are installing your product on a supported hardware or software configuration. For more information, see the certification document for your release on the *Oracle Fusion Middleware Supported System Configurations* page.

Oracle has tested and verified the performance of your product on all certified systems and environments; whenever new certifications occur, they are added to the proper certification document right away. New certifications can occur at any time, and for this reason the certification documents are kept outside of the documentation libraries and are available on Oracle Technology Network.

#### Step 2 Using the System Requirements Document to Verify Certification

The Oracle Fusion Middleware System Requirements and Specifications document should be used to verify that the requirements of the certification are met. For example, if the certification document indicates that your product is certified for installation on 64-Bit Oracle Linux 5, this document should be used to verify that your Oracle Linux 5 system has met the required minimum specifications, like disk space, available memory, specific platform packages and patches, and other operating system-specific items. System requirements can be updated at any time, and for this reason the system requirement documents are kept outside of the documentation libraries and are available on Oracle Technology Network.

#### 2.1.1 Prerequisites

Oracle GoldenGate Monitor 12c (12.2.1) requires the installation of the following:

- Java SE, JDK 8u40 and greater
- WebLogic Server 12c (12.2.1) with JRF
- One of the following supported databases:
  - Oracle 11gR2, 12c
  - Microsoft SQL Server 2008, 2012

## 2.2 Install JDK on the Target Machine

The target machine is that computer on which you are running the Oracle GoldenGate Monitor instance. Download and install Java SE, JDK 8u40 and greater, on your target machine using the instructions at:

http://www.oracle.com/technetwork/java/javase/downloads/index.html

After you complete the installation, add entries for the JDK bin directory (for example, jdk1.8.0\_40/bin) to your JAVA\_HOME and PATH environment variables.

## 2.3 Install Oracle WebLogic Server 12c (12.2.1)

Install Oracle WebLogic Server 12*c* (12.2.1) with JRF or Oracle WebLogic Server 12*c* (12.2.1) with JRF and JDBC. Oracle GoldenGate Monitor runs as an Oracle WebLogic Server plugin and requires one of these Oracle WebLogic Server products to be installed.

Install Oracle WebLogic Server into the directory in which you are installing Oracle GoldenGate Monitor. Installing either of these Oracle WebLogic Server products will create an Oracle Middleware home (*ORACLE\_HOME*). An (*ORACLE\_HOME*) is required for installing Oracle GoldenGate Monitor.

For more installation instructions and downloads, see the Oracle WebLogic Server web site:

http://www.oracle.com/technetwork/middleware/weblogic/downloads/index.html

## 2.4 Install the Database Software

Oracle GoldenGate Monitor supports these databases:

Database	Version	Documentation
Oracle	11gR2, 12c	<pre>http://www.oracle.com/technetwork/indexes/documen tation/index.html#database</pre>

Database	Version	Documentation
SQL Server	2008, 2012	2008: http://www.microsoft.com/en-us/download/details.a spx?id=30437
		<b>2012:</b> http://msdn.microsoft.com/en-us/library/cc281837% 28v=sql.110%29.aspx

The SQL Server databases do not support the Oracle Platform Security Service (OPSS) so configuring them requires different steps than the Oracle database. If you are installing either of these non-Oracle databases, you should familiarize yourself with these additional steps, see Section 4.2, "Configuring Oracle GoldenGate Monitor Server for SQL Server Databases".

#### 2.4.1 Setting the nls\_length\_semantics Parameter in your Database

Oracle Fusion Middleware only supports schemas in a byte-mode database. The nls\_length\_semantics initialization parameter on the database where the schemas reside must be set to BYTE; setting this parameter to CHAR is not supported.

To check the values of this parameter using SQL\*Plus, you can use the show parameters command:

prompt> sqlplus "sys/password as sysdba"SQL> show parameters nls\_length\_semantics

Replace password with the actual password for the SYS user.

Alternatively, you can check the values by querying the V\$PARAMETER view:

prompt> sqlplus "sys/password as sysdba"SQL> select name,value from v\$parameter;

## 2.5 Next Step: Install and Configure Oracle GoldenGate Monitor

With the prerequisites met, you will now install Oracle GoldenGate Monitor. For instructions, see Section 3, "Installing Oracle GoldenGate Monitor"

# **Installing Oracle GoldenGate Monitor**

This chapters contains the steps necessary to install Oracle GoldenGate Monitor on your computer. It also provides additional details for using the Repository Configuration Utility (RCU) to create a repository for your Oracle GoldenGate Monitor implementation. This chapter is comprised of the following sections:

- Section 3.1, "Installing Oracle GoldenGate Monitor"
- Section 3.2, "Creating a Repository"
- Section 3.3, "Next Step: Configure the Domain"

## 3.1 Installing Oracle GoldenGate Monitor

You install Oracle GoldenGate Monitor by using the Oracle Universal Installer (OUI), a seven-step, screen-driven tool used to install this and other Oracle products. This section describes how to obtain, launch, and navigate the OUI. To install Oracle GoldenGate Monitor, you need to:

- 1. Download the Oracle GoldenGate Monitor Product
- 2. Start the Installation Program
- **3.** Install the Product

**Note:** For more detailed information on OUI, see *Installing with the Oracle Universal Installer*.

#### 3.1.1 Download the Oracle GoldenGate Monitor Product

The distribution for Oracle GoldenGate Monitor is available on Oracle Technology Network.

To obtain Oracle GoldenGate Monitor, go to the Oracle Technology Network and:

- 1. Find ZIP file appropriate for your database and operating system, and download this file onto your system.
- 2. Extract the contents of this ZIP file onto your system. One of the files extracted will be ogg\_generic.jar; this file will be used to run the product installer and install the software onto your system.

For more information about obtaining distributions, see "Obtaining Product Distributions" in *Planning an Installation of Oracle Fusion Middleware*.

### 3.1.2 Start the Installation Program

To start the installation program, perform the following steps.

- 1. Log in to the target system with administrator privileges.
- 2. Go to the directory where you downloaded the installation program.
- **3.** Launch the installation program by invoking java -jar from the JDK directory on your system, as shown in the following table:

For this O/S	Use this command			
Unix	<pre>\$ java -jar -Xmx1024m /path/to/jar/file/ogg_generic.jar</pre>			
Windows	C:\ java -jar -Xmx1024m ogg_generic.jar			

When the installation program appears, you are ready to begin the installation. See Section 3.1.3, "Install the Product" for a description of each installation program screen.

#### 3.1.3 Install the Product

To install the product, navigate through the Installer screens, providing the necessary information as described on the following table. This table lists the screens in the order they will appear and provides instructions for completing any necessary fields. If you want further information on any screen, click its name in the left-hand column.

Screen	Description		
Welcome	This screen introduces you to the product installer.		
	Click Next.		
Auto Updates	Use this screen to search for and apply patch updates or to skip updates.		
	Click Next.		
Installation Location	Use this screen to specify the location of your Oracle home directory.		
	1. Type or browse and select the Oracle Home location (that is, the path where you have installed WebLogic Server+JRF) and Coherence.		
	<b>2.</b> Click <b>View</b> to see the products installed under the selected Oracle Home.		
	3. Click Next.		
Installation Type	Use this screen to select an installation type.		
	1. Select Oracle Golden Gate Monitor Server.		
	2. Click Next.		
Prerequisite Checks	This screen verifies that your system meets the minimum necessary requirements.		
	If there are any warning or error messages, you can refer to one of the documents referenced in "Verifying Certification, System Requirements, and Interoperability" in <i>Planning an Installation of</i> <i>Oracle Fusion Middleware</i> .		
	Click Next.		

Screen	Description		
Installation Summary	Use this screen to verify the installation options you selected.		
	<b>Note:</b> To display an individual component's approximate installed size, click its name.		
	Click Install.		
Installation Progress	This screen shows the progress of the installation. When the progress bar reaches 100%, the installation is complete. Be aware that the Generating Libraries process can take up to 70% of the total installation time on some systems.		
	When the installation progress is 100%, click <b>Next</b> .		
Installation Complete	This screen appears at the conclusion of the installation and provides a summary of the products and features that were installed.		
	Click Finish.		

## 3.2 Creating a Repository

**Note:** These procedures describe how to create a repository for an Oracle database, only. If you are creating an repository for a non-Oracle database, SQL Server, see Section 4.2, "Configuring Oracle GoldenGate Monitor Server for SQL Server Databases"

Next, use the Repository Creation Utility (RCU) to create an Oracle GoldenGate Monitor-specific repository.

**Note:** For more information on creating a repository with RCU, see *Oracle Fusion Middleware Creating Schemas with the Repository Creation Utility.* 

#### 3.2.1 Before You begin

Before creating the repository for an Oracle database, be aware of the following:

- The character set *must* be AL32UTF8 because the default character set is not supported by RCU.
- RCU supports only plug-able databases; it does not support container database. This is because by default container database will enable in Oracle 12*c* (12.2.1).

#### 3.2.2 Create the Repository

To create the repository use this procedure:

- **1.** Start RCU by doing the following:
  - **a.** Change directory to ORACLE\_HOME/oracle\_common/bin/(ORACLE\_ HOME\oracle\_common\bin\ on Windows).

For specifics about ORACLE\_HOME, see Section 2.3, "Install Oracle WebLogic Server 12c (12.2.1)."

**b.** Launch RCU by entering:

On Linux:

\$ ./rcu

On Windows:

rcu.bat

The RCU Welcome screen appears.

**2.** Navigate through the RCU screens, providing the necessary information as described on the following table. For additional, generic information on each screen, click the screen name in the Screen column.

Screen		Repository Creation Action	
Welcome		Click Next.	
Create Repository	1.	Ensure <b>Create Repository</b> and <b>System Load and Product Load</b> are selected.	
	2.	Click Next.	
Database Connection Details	1.	Enter Database Connection details with the appropriate information.	
	2.	Click Next.	
		A confirmation window opens, verifying that the Global Prerequisites are implemented.	
		<b>Note:</b> A warning may appear if your database characterset is not AL32UTF8, which you should Ignore and continue.	
	3.	Click OK.	

Screen	Re	pository Creation Action
Select Components	1.	If it is not already selected, select <b>Create new prefix</b> and, in the edit box, enter the prefix by which you want to identify that the schema was created for Oracle GoldenGate Monitor Server (for example, DEV1). This schema prefix is automatically appended with _STB, which you will use when configuring your Oracle WebLogic Server domain.
	2.	Select the following components:
		<ul> <li>AS Common Schemas</li> </ul>
		<ul> <li>Metadata Services</li> </ul>
		<ul> <li>Audit Services</li> </ul>
		<ul> <li>Audit Services Append</li> </ul>
		<ul> <li>Audit Services Viewer</li> </ul>
		<ul> <li>Oracle Platform Security Services</li> </ul>
		<ul> <li>User Messaging Services</li> </ul>
		<ul> <li>WebLogic Services</li> </ul>
		<ul> <li>Call Control</li> </ul>
		<ul> <li>Oracle GoldenGate</li> </ul>
		<ul> <li>Monitor Server</li> </ul>
		<b>Note:</b> the preceding component list is for Oracle databases, only. Components selected for non-Oracle databases will differ. For more information, see Section 4.2, "Configuring Oracle GoldenGate Monitor Server for SQL Server Databases"
	3.	Click Next.
		A confirmation window opens, verifying that the prerequisites are implemented.
	4.	Click OK.
Schema Passwords	1.	Ensure that <b>Use same password for all schemas</b> is selected.
	2.	Enter and confirm a new password.
	3.	Click Next.
Map Tablespaces	1.	Click Next.
		A confirmation window opens, advising that tablespaces that do not already exist will be created.
	2.	Click <b>OK</b> to create the new tablespaces or <b>Cancel</b> to return to the wizard (this procedure assumes you clicked <b>OK</b> ).
		A confirmation window opens, tracking the progress of the tablespace creation.
	3.	Click OK.
Summary	Re	view the repository creation summary and click <b>Create</b> .
Completion Summary	Cli	ck <b>Close</b> . This will end the repository creation process.

## 3.3 Next Step: Configure the Domain

With Oracle GoldenGate Monitor Server installed and a repository created, you need to create the domain for the database type you are using. For instructions, see Chapter 4, "Configuring and Starting Monitor Server".

# **Configuring and Starting Monitor Server**

This chapter describes the procedures for using the Configuration Wizard to create a WebLogic domain for both Oracle and non-Oracle databases (for this version, *non-Oracle databases* refers to SQL Server). It also includes instructions for starting the server once these domains have been created.

This chapter contains these sections:

- Configuring Oracle GoldenGate Monitor Server for Oracle Databases
- Configuring Oracle GoldenGate Monitor Server for SQL Server Databases
- Creating the Oracle WebLogic Server Domain
- Completing Monitor Server Configuration
- Starting Oracle GoldenGate Monitor Server

## 4.1 Configuring Oracle GoldenGate Monitor Server for Oracle Databases

This section guides you through the steps required to set up a WebLogic domain if you are using an Oracle database. If you are running either a SQL Server database, see Section 4.2, "Configuring Oracle GoldenGate Monitor Server for SQL Server Databases".

#### 4.1.1 Create the Oracle Database Repository

To create a Oracle Database repository, use this procedure:

- 1. Follow the instructions in Section 3.2, "Creating a Repository" to create a repository; however, note the following exceptions for SQL Server:
  - **a.** When you reach the Database Connection Details screen, set Database Type to **Oracle Database** and set the appropriate connection information. Click **Next**.

The Select Components screen appears.

- **b.** On the Select Components screen, select **Monitor Server** and **Service Table** (by default, this should already be selected).
- **2.** Follow the remaining repository creation process. You should have these schema generated:
  - OGGMON (the product-specific schema)
  - ∎ STB
  - OPSS
  - IAU

- IAU\_APPEND
- IAU\_VIEWER

## 4.2 Configuring Oracle GoldenGate Monitor Server for SQL Server Databases

In addition to Oracle databases, Oracle GoldenGate Monitor also supports the SQL Server database. The configuration instructions covered in Section 4.1, "Configuring Oracle GoldenGate Monitor Server for Oracle Databases" applies only to that database provider. For the SQL Server database, you need to use the same tools though follow somewhat different procedures. Those procedures are explained in this section:

#### 4.2.1 Before You Begin

Before you begin, do the following:

Set:

ISOLATION LEVEL, ALTER DATABASE \$ (DATABASE\_NAME) SET READ\_COMMITTED\_SNAPSHOT ON

Ensure the database is case-sensitive:

```
DECLARE @collate sysname
  select @collate = convert(sysname, serverproperty('Collation'))
IF ( charindex(N'_CI', @collate) > 0 )
BEGIN
  select @collate = replace(@collate, N'_CI', N'_CS')
  exec ('ALTER database $(DATABASE NAME) COLLATE ' + @collate)
```

#### 4.2.2 Create the SQL Server Repository

To create a SQL Server repository, use this procedure:

- **1.** Follow the instructions in Section 3.2, "Creating a Repository" to create a repository; however, note the following exceptions for SQL Server:
  - a. When you reach the Database Connection Details screen, set Database Type to SQL Server database and set the appropriate connection information. Click Next.

The Select Components screen appears.

- **b.** On the Select Components screen, select **Monitor Server** and **Service Table** (by default, this should already be selected).
- **2.** Follow the remaining repository creation process. You should have these schema generated:
  - OGGMON (the product-specific schema)
  - STB
  - OPSS
  - IAU
  - IAU\_APPEND
  - IAU\_VIEWER

## 4.3 Creating the Oracle WebLogic Server Domain

You will use the Oracle WebLogic Server Configuration Wizard to create the domain for all supported databases. This tool guides you through the process of creating a WebLogic domain by selecting the product components to include in your domain or by selecting template JAR files. If necessary, you can also customize the domain to suit your environment by adding and configuring Managed Servers, clusters, and machine definitions, or customizing predefined JDBC data sources and JMS file store directories. The procedures in this chapter will guide you through the simplest configuration scenario. To learn more about other capabilities of the Configuration Wizard, see *Creating WebLogic Domains Using the Configuration Wizard*.

Assuming Oracle WebLogic Server is installed properly (see Section 2.3, "Install Oracle WebLogic Server 12c (12.2.1)"), launch the Configuration Wizard by doing the following:

On Linux:

\$ ORACLE\_HOME/oracle\_common/common/bin/config.sh

On Windows:

C:\ORACLE\_HOME\oracle\_common\common\bin\config.cmd

For specifics about ORACLE\_HOME, see Section 2.3, "Install Oracle WebLogic Server 12c (12.2.1)."

The Configuration Wizard starts and the Configuration Type screen appears.

To create the domain, navigate the Configuration Wizard screens providing the necessary information as described on the following table. For additional, generic information on each screen, click the screen name in the Screen column:

Screen Configuration Action						
Configuration Type	Ensure Create a new domain is selected then:					
	<ul> <li>In Domain location, enter the absolute path outside of ORACLE_ HOME.; for example:</li> </ul>					
	/scratch/my_user/oggmon1221_domain					
	Click Next.					
Templates	<ol> <li>Select Oracle GoldenGate Monitor Server Domain-12.2.1 (oggmon). Additional packages are automatically selected.</li> </ol>					
	2. Click Next.					
Administrative Account	1. Enter a Name and Password (and confirm the password). These are your WebLogic Server console log-in credentials.					
	2. Click Next.					
Domain Mode and	1. In Domain Mode, select <b>Production</b> .					
JDK	<b>2.</b> In JDK, select your preferred JDK; for example:					
	Oracle HotSpot 1.8.0_40-ea /usr/java/jdk1.8.0_40					
	3. Click Next.					

Screen	Configuration Action					
Database	<b>1.</b> Ensure RCU data radio button is selected.					
Configuration Type	<b>2.</b> Enter the database connection information.					
	<b>3.</b> Enter the Schema owner, which is the prefix you specified when creating your repository appended with _STB; for example, DEV_STB.					
	<b>4</b> . Enter the Password.					
	5. Click Get RCU Configuration.					
	6. Click Next.					
JDBC Component Schema	Verify the schema information and click <b>Next</b> .					
JDBC Component Schema Test	Verify the schema information and click <b>Next</b> .					
Credentials	1. For each Key Name, enter a Username and Password.					
	2. Click Next.					
Advanced Configuration	<ol> <li>Select Administrative Server and Managed Serves, Cluster, and Coherence.</li> </ol>					
	2. Click Next.					
Administration Server	By default, the server name is AdminServer and the port is 7001, although you can always change default values. For example, you can change the server name AdminServer to OGGMONAdminServer.					
	If port 7001 is already in use, replace it with an unused port number.					
	Make selections as necessary and click Next.					
Managed Servers	The managed server name is already populated with the default, <i>MONITORSERVER_server1</i> , and the port number with 7003. You can change these values, if desired. Also, if port 7003 is already in use, replace it with an unused port number.					
	Either accept the defaults of update the data and click Next.					
Clusters	Click Next.					
Coherence Cluster	Click Next.					
Machines	Click Next.					
Configuration Summary	Review the configuration details and click <b>Create</b> .					
Configuration Progress	When configuration creation is complete, click <b>Next</b> .					
Configuration Success	1. Make note of the Administration Server URL for MonitorServer administration.					
	2. Click Finish.					

The WebLogic Server domain for the Monitor product with Oracle database is now configured.

## 4.4 Completing Monitor Server Configuration

The final steps in configuring Oracle GoldenGate Monitor Server is setting properties as defined in this section.

#### **Configure the JMX Server Properties**

1. At your server prompt, run the configuration utility as follows:

On Linux:

\$ ./updateOGGMonitorConfig.sh

On Windows:

C:\updateOGGMonitorConfig.bat

This configuration utility is used to update configuration information for Oracle GoldenGate Monitor Server. All fields are required; you can use Ctrl+C to exit.

**2.** Enter the absolute path for your Oracle GoldenGate Monitor Server (oggmon) domain, for example:

/scratch/prod/OGGMON\_INSTALLS/oggmon\_stage9\_domain

The system responds:

You have entered the domain path as : /scratch/prod/OGGMON\_INSTALLS/oggmon\_ stage9\_domain

- 3. Enter your JMX hostname or IP address. For example, server1.us.domain.com.
- 4. Enter your JMX Server Port. For example, 6502.
- 5. Enter your JMX Server Username. For example, jmxuser.
- **6.** Enter the database type for your Oracle GoldenGate Monitor Server using **1** for Oracle Database and **2** for SQL Server.

The utility completes. After successful execution of this script, the Secure Key properties file, oggmon.properties, is created in encoded format, and contains all of the configuration information you just provided. This Secure Key is added to your Oracle GoldenGate Monitor Server Oracle wallet.

7. Copy the oggmon.properties file to the cfg directory of your Oracle GoldenGate Monitor Agent instance. For Oracle GoldenGate Monitor Server, the directory is *MonitorServer\_WLS\_Domain*/config/monitorserver/cfg; for Monitor Agent, the directory is *MonitorAgent\_Instance\_Home*/cfg.

## 4.5 Starting Oracle GoldenGate Monitor Server

To verify that you have successfully Oracle GoldenGate Monitor Server, start the server. This is a two-to-three-step process comprised of:

- Starting the Oracle WebLogic Administration Server
- Update Oracle GoldenGate Monitor Server Credentials (Optional)
- Start the WebLogic Managed Server

#### 4.5.1 Starting the Oracle WebLogic Administration Server

To start the Administration Server, do the following:

1. Navigate to the *MONITOR\_DOMAIN* directory (for example, /apps/oggmon\_domain or apps\oggmon\_domain on Windows) and start the server:

On Linux:

\$./startWebLogic.sh

On Windows:

C:/path/to/MONITOR\_DOMAIN>startWebLogic.cmd

The server starts, with start-up information displayed on your screen,

**Note:** Server startup can take a few minutes.

**2.** When prompted for the Oracle WebLogic Server Administrator username and password, enter the credentials you created on the Administrative Account screen.

Startup continues. When the server has started successfully, the server state will be RUNNING.

#### 4.5.2 Update Oracle GoldenGate Monitor Server Credentials (Optional)

**Note:** This section is optional. Do it *only* if you need to update your Oracle GoldenGate Monitor Server credentials. If you do not need to do so, proceed to Start the WebLogic Managed Server).

Use WLST to create or update your wallet's Oracle GoldenGate Monitor Server credentials:

1. From \$ORACLE\_HOME/wlserver/common/bin (ORACLE\_HOME\wlserver\common\bin on Windows), run WLST:

On Linux:

\$ORACLE\_HOME/wlserver/common/bin>./wlst.sh

On Windows:

C:\path\to\bin>wlst.cmd

**2.** Then, do one of the following:

То	Use this WLST Function
Create the	createCred(); for example:
new credentials	<pre>wls:/test_ domain/serverConfig&gt;createCred(map="OGGMONITOR",key="WEB.JMX.PASSWO RD",user="jmxuser",password="jmxuser1",desc="JMX Password") wls:/test_ domain/serverConfig&gt;createCred(map="OGGMONITOR",key="MONITOR.KEYSTO RE.PASSWORD",user="ksuser",password="ksuser1",desc="Keystore Password") wls:/test_ domain/serverConfig&gt;createCred(map="OGGMONITOR",key="MONITOR.TRUSTS TORE.PASSWORD",user="tsuser",password="tsuser1",desc="Truststore Password") wls:/test_ domain/serverConfig&gt;createCred(map="OGGMONITOR",key="WEB.SMTP.EMAIL .PASSWORD",user="smtpuser",password="smtpuser1",desc="SMTP Password")</pre>

То	Use this WLST Function
Update an	updateCred(); for example:
existing key	<pre>wls:/test_ domain/serverConfig&gt;<b>updateCred</b>(map="OGGMONITOR",key="MONITOR.TRUSTS TORE.PASSWORD",user="tsuser",password="tsuser1",desc="Truststore Password")</pre>
Delete an	<pre>deleteCred(); for example:</pre>
existing key	wls:/test_domain/serverConfig> <b>deleteCred</b> (map="OGGMONITOR", key="MONITOR.TRUSTSTORE.PASSWORD")

**Note:** For more information about WLST, see *Understanding the WebLogic Scripting Tool* 

#### 4.5.3 Start the WebLogic Managed Server

Finally, start the WebLogic Managed Server:

1. Navigate to MONITOR\_SERVER\_DOMAIN\bin (MONITOR\_SERVER\_DOMAIN\bin on Windows) and enter:

On Linux:

\$./startManagedWebLogic.sh MONITORSERVER\_server1 http://hostname:7001

#### On Windows:

C:path\to\bin>startManagedWebLogic.cmd MONITORSERVER\_server1 http://hostname:7001

#### Where:

- MONITORSERVER\_server1 is the managed server name entered in the Configuration Wizard when that server was configurated.
- hostname:7001 is your specific hostname and listening port.
- **2.** When prompted, enter the Oracle WebLogic Server Administrator username and password.

If the Oracle GoldenGate Monitor Server is deployed successfully, you should see the managed server state as RUNNING.

# Managing Users from the WebLogic Administration Console

With Oracle GoldenGate Monitor Server installed and configured, you can now use the WebLogic Server Administration Console to manage your users. You can then launch the Oracle GoldenGate Monitor console and start monitoring. These procedures are described in the following sections:

- Section 5.1, "Log-in to Oracle WebLogic Server Administration Console"
- Section 5.2, "Create a User"
- Section 5.3, "Add the User to a Group"
- Section 5.4, "Start the Oracle GoldenGate Monitor Console"

**Note:** Before attempting any of the tasks in this chapter, ensure that both the WebLogic administration server is running. You can find server start-up instructions in Section 4.5.1, "Starting the Oracle WebLogic Administration Server".

## 5.1 Log-in to Oracle WebLogic Server Administration Console

To log in to the Oracle WebLogic Server Administration Console, do the following:

1. Open a supported Web browser and navigate to:

http://hostname:port/console

where *hostname* is the DNS name or IP address of the Administration Server and port is the listen port on which the Administration Server is listening for requests (port 7001 by default). If you have configured a domain-wide administration port, use that port number. If you configured the Administration Server to use Secure Socket Layer (SSL) you must add s after http as follows:

https://hostname:port/console

The Console Welcome page appears and contains a log-in form.

2. Enter a Username and Password and click Login:

The Oracle WebLogic Server Administration Console appears, with the home page displayed in the main panel. To the left of the main panel are links that will help you navigate the console. For more information on the Oracle WebLogic Server Administration Console, see "Getting Started Using Oracle WebLogic Server Administration Console" in *Administering Oracle Fusion Middleware*.

## 5.2 Create a User

You begin user creation from the Oracle WebLogic Server Administration Console home page. Use this procedure:

1. Left of the main panel, locate the Domain Structure panel for your domain:

ORACLE WebLogic Server Administration Console 12c

Change Center	🙆 Home Log Out Preferences 🔤 Record Help				
Change Center					
View changes and restarts	Home >Summary of Security Realms >oggmon_dom;				
Click the Lock & Edit button to modify, add or delete items in this domain.	Home Page				
Lock & Edit	Information and Resources				
Release Configuration	Helpful Tools				
	<ul> <li>Configure applications</li> </ul>				
Domain Structure	<ul> <li>Configure GridLink for RAC Data Source</li> </ul>				
oggmon_domain	<ul> <li>Configure a Dynamic Cluster</li> </ul>				
⊕-Environment	<ul> <li>Recent Task Status</li> </ul>				
Deployments +Services	Set your console preferences				
Security Realms +Interoperability	— Domain Configurations				
由-Diagnostics	Domain				
	• Domain				
	Environment				
	Servers				

2. From the Domain Structure tree, select Security Realms.

The Summary of Security Realms page appears in the main panel.

myrealm New Delete	true Showing 1 to 1 of 1 Previous   Next
Name 😞	Default Realm
New Delete	Showing 1 to 1 of 1 Previous   Next
Click the Lock & Edit button in the Change Center to activate all the buttons on th	is page.
Customize this table Realms (Filtered - More Columns Exist)	
This Security Realms page lists each security realm that has been configured in this	WebLogic Server domain. Click the name of the realm to explore and configure that realm.
A security realm is a container for the mechanisms-including users, groups, securit security realms in a WebLogic Server domain, but only one can be set as the defau	y roles, security policies, and security providersthat are used to protect WebLogic resources. You can have multiple it (active) realm.

3. In the Realms table, select myrealms.

The Settings for myrealm page appears in the main panel.

	ealm						
Configuration	Users and Groups	Roles and Poli	cies Credent	ial Mappings	Providers	Migration	
General RDB	MS Security Store	User Lockout	Performance				
Click the Lock &	& Edit button in the	Change Center to	o modify the se	ttings on this	page.		
Save		-		-			
	o configure the gener	ral behavior of th	is security realn	η.			
	are implementing sec	urib ( using 14CC					
availab							d in JSR 115), you mus
availabi	le and the security fu						
Name:							
Name:			applications and				e disabled. The
Name:	le and the security fu		applications and myrealm		Administratior		e disabled. The
Name: <u>         B</u> Security Mo	le and the security fu	nctions for Web	applications and myrealm		Administratior		e disabled. The
Name: <u>         B</u> Security Mo	le and the security fu odel Default:	nctions for Web	applications and myrealm		Administratior		e disabled. The The Spe secu

#### 4. Click Users and Groups.

The Users tab opens.

Users Groups							
This page displays information about each user that has been configured in this security realm.							
₽a	ustomize this table						
Us	ers (Filtered - More Columns Exist)						
	New Delete		Showing 1 to 4 of 4 Previous   New	đ			
E	🛾 Name 🚕	Description	Provider				
E	New_User	A new OGG Monitor User	DefaultAuthenticator	1			
E	OracleSystemUser	Oracle application software system user.	DefaultAuthenticator				
E	superadmin Defaultauthenticator						
E	weblogic	This user is the default administrator.	DefaultAuthenticator				
	New Delete		Showing 1 to 4 of 4 Previous   New	ct			

#### 5. Click New.

The Create a New User page appears.

Create a New User	
OK Cancel	
User Properties	
The following properties will be used to ident * Indicates required fields	tify your new User.
What would you like to name your new User	?
* Name:	
How would you like to describe the new User	?
Description:	
Please choose a provider for the user.	
Provider:	DefaultAuthenticator <b>•</b>
The password is associated with the login nar	ne for the new User.
* Password:	
* Confirm Password:	
OK	

- **6.** Add the new users details:
  - User name; this name will be used to log in to the Oracle GoldenGate Monitor console.
  - A brief freeform description of the user.
  - The user provider, selected from the dropdown list.
  - A password for the user (with confirmation entry). This password will be used with the user name to log in to the Oracle GoldenGate Monitor console. It must be at least eight characters long.
  - Click **OK**.

The User tab reappears with the new user added.

Setting	Settings for myrealm							
Config	guration	Users and Groups	Roles and Policies	Credential Mappings	Providers	Migration		
Usen	s Grou	ps						
Des 🖗	This page displays information about each user that has been configured in this security realm.  Customize this table Users (Filtered - More Columns Exist)							
Ne	w De	lete						
	Name 4	\$	Des	cription				
	newuser02 OGGMON User							
	New_User A new OGG Monitor User							
	OracleSy	vstemUser	Orac	cle application software s	system user.			
	superad	min						

## 5.3 Add the User to a Group

Next, you need to add the user you created in Section 5.2, "Create a User" to a group. To do so, use this procedure.

1. On the Settings for myrealms' User tab, click the name of the user you just added.

The Settings for *username* page appears.

Settings for newu	ser02
General Passwo	ords Attributes Groups
Save	
Use this page to	change the description for the selected user.
Name:	newuser02
Description:	OGGMON User
Save	

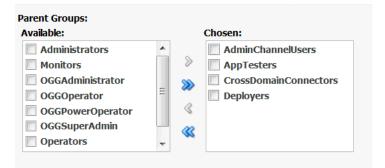
#### 2. Click Groups.

The Groups tab opens, displaying a list of parent groups to which the user can belong.

ettings f	or newuser0	2				
General	Passwords	Attributes	Groups			
Save						
Use this	page to config	gure group m	embership	for this us	er.	
Parent G	Froups:					
Availabl	e:		C	nosen:		
📃 Adr	minChannelU	sers 🔺				
📃 Adr	ninistrators		$\gg$			
📃 App	Testers	=	>>>			
Cro	ssDomainCo	nnectors				
	oloyers		~			
	nitors		33			
OG OG	GAdministrat	or 👻				
Save						

**3.** Select the parent groups to which you want the user to belong and click the right arrow (2).

The selected groups will move to the Chosen list.



If you want to make the user a member of all groups, rather than select each group, just click the double right arrow (20). All groups will move to the Chosen list. If you accidently add a group you did not intend, select it and click the left arrow. To remove all groups from the Chosen list, click the double left arrow.

4. Click Save.

### 5.4 Start the Oracle GoldenGate Monitor Console

Finally, you are ready to launch the Oracle GoldenGate Monitor Server console. To do so, use this procedure.

1. In the Web browser navigation bar, the Oracle GoldenGate Monitor Server URL in this format:

http://hostname:portNumber/monitor/faces/loginPage.jspx

Where *hostname* is the system on which WebLogic Server is installed and the *portnumber* is 7003, which is the managed server port number (because the application is being deployed on a managed server, MONITOR\_server1); for example

http://slc03abc:7003/monitor/faces/loginPage.jspx

The Oracle GoldenGate Monitor Server log-in screen appears.

**2.** Provide the log-in credentials entered for the user in step 6 of Section 5.2, "Create a User" and click **Submit**.

The Oracle GoldenGate Monitor Server console opens. You can now start administering Oracle GoldenGate Monitor.

# **Deinstalling Monitor Server**

This chapter describes how to deinstall Oracle GoldenGate Monitor Server. It contains these sections:

- Section 6.1, "Stop the Servers"
- Section 6.2, "Drop the Repositories"
- Section 6.3, "Delete the WebLogic Domain"
- Section 6.4, "Deinstall Oracle GoldenGate Monitor Server"

# 6.1 Stop the Servers

First, stop any running Oracle GoldenGate Monitor managed servers. and, if necessary, the Oracle WebLogic Administration Server.

#### To stop the Managed Server(s):

To stop the managed server, log in to the server, navigate to *OGGMON\_DOMAIN*/bin or *OGGMON\_DOMAIN*/bin on Windows, and enter the following command:

#### On Linux:

\$ ./stopManagedWebLogic.sh MONITORSERVER\_server1

#### On Windows:

C:\path\to\bin> stopManagedWebLogic.cmd

**Note:** If you are stopping a managed server after stopping the administration server, you need to specify the managed server's URL in the stop script; for example (on Linux):

\$ ./stopManagedWebLogic.sh MONITORSERVER\_server1
t3://hostname:ManagedServerPort"

#### To stop the Administration Server:

You only need to stop the Oracle WebLogic Administration Server if your domain contains only the Oracle GoldenGate Monitor application and you plan to delete the domain.

To stop an Administration Server, log in to the server, navigate to *DOMAIN\_HOME*/bin or *DOMAIN\_HOME*\bin on Windows, and enter:

#### On Linux:

\$ ./stopWebLogic.sh username password admin\_url

#### On Windows

C:\path\to\bin>stopWebLogic.cmd username password admin\_url

where *admin\_url* is the URL to your Oracle WebLogic Administration Server console.

# 6.2 Drop the Repositories

Next, you must run the Repository Creation Unit (RCU) to drop the repositories you created during the repository creation stage described in Section 3.2, "Creating a Repository".

#### To drop repositories:

1. Navigate to ORACLE\_HOME/oracle\_common/bin/ (ORACLE\_HOME\oracle\_ common\bin\ on Windows) and enter:

On Linux:

\$ ./rcu.sh

On Windows:"

C:\path\to\bin> rcu.cmd

The RCU Welcome screen appears.

2. Click Next.

The Create Repository screen appears.

3. Select Drop Repository and click Next.

The Database Connection Details appears.

4. Enter the connection details for the database you are dropping and click Next.

A confirmation window opens, verifying that the Global Prerequisites are implemented.

5. Click OK.

The Select Components screen appears.

**6.** Click **Next** and continue through the RCU process, as described in Section 3.2, "Creating a Repository".

After you click **Close** on the Completion Summary screen, the repository will be dropped.

# 6.3 Delete the WebLogic Domain

Next, you need to delete the WebLogic domain you created in Section 4.1, "Configuring Oracle GoldenGate Monitor Server for Oracle Databases". To do this, simply delete the domain directory from your file system.

# 6.4 Deinstall Oracle GoldenGate Monitor Server

Finally, to complete the deinstall process, you need to deinstall Oracle GoldenGate Monitor Server.

#### To deinstall Oracle GoldenGate Monitor Server:

1. Navigate to ORACLE\_HOME/oui/bin (ORACLE\_HOME\oui\bin on Windows) and enter

On Linux:

\$./deinstall.sh

On Windows:

C:\path\to\bin>deinstall.cmd

The deinstallation program launches and the Welcome screen appears.

**2.** Navigate through the deinstallation screens as described in the following table. For additional information on any of the deinstallation screens, click the screen name.

Screen	Description/Action		
Welcome	This screen introduces you to the product deinstaller.		
Deinstallation Summary	This screen shows the Oracle home directory and its contents that will be deinstalled. Verify that this is the correct directory.		
	Click <b>Deinstall</b> to begin removing the software.		
Deinstallation Progress	This screen shows the progress of the deinstallation.		
Deinstallation Complete	This screen appears when the deinstallation is complete. Review the information on this screen then click <b>Finish</b> to dismiss the deinstaller.		

Oracle GoldenGate Monitor Server is successfully removed from your system.

7

# Moving from a Test to a Production Environment

This chapter describes the procedures for moving Oracle GoldenGate Monitor Server from a test environment to a production environment ("T2P"). It contains the following sections:

- Section 7.1, "Prerequisites"
- Section 7.2, "Preparing the Test Environment"
- Section 7.3, "Preparing the Production Environment"
- Section 7.4, "Verifying the Move"
- Section 7.5, "Additional Information"

# 7.1 Prerequisites

Before moving Oracle GoldenGate Monitor Server from a test to a production environment, ensure that Oracle GoldenGate is installed and is configured on both the source and target environments for enabling Oracle GoldenGate monitoring using the Oracle GoldenGate Monitor Agent.

# 7.2 Preparing the Test Environment

To prepare the test environment, install the Oracle WebLogic Server infrastructure and then do the following:

- 1. Create a database instance by using the Repository Creation Utility (RCU). For instructions, see Section 3.2, "Creating a Repository".
- 2. Install and configure Oracle GoldenGate Monitor 12*c* (12.2.1), in this order:
  - a. Oracle GoldenGate Monitor Server
  - **b.** Oracle GoldenGate Monitor Agent

# 7.3 Preparing the Production Environment

This section contains information on how to prepare the production, or "target" environment.

# 7.3.1 Before You Begin

Your target environment must meet the following prerequisites:

- You must use the cloningclient.jar file and the pasteBinary script file that are compatible with the version of the ORACLE\_HOME and components that you want to copy. The procedures in this chapter presume that you are using the current version of the cloningclient.jar file and movement scripts.
- The target environment must be on the same operating system as the source environment. Also, the operating system architecture must be the same in both environments. For example, both environments must be running 32-bit operating systems or 64-bit operating systems.
- The host must have JDK 8u40 and greater or higher installed. In addition, ensure that the PATH, CLASSPATH, and JAVA\_HOME environment variables point to the JDK. When you execute the scripts, you must specify a matching Java home. That is, if the Oracle homes are 64 bit, you must specify a 64-bit Java home. If the Oracle homes are 32-bit, you must specify a 32-bit Java home.
- The target environment must have the same superuser or administrative user as the user at the source environment. After you complete the movement of the installation, you can modify the user on the target environment.

### 7.3.2 Preparing the Environment

To prepare the production environment for an Oracle Database, do the following:

**1.** Create new database Instance using by RCU, as described in Section 3.2, "Creating a Repository".

Note that the database in the target environment must be the same type and version of database as in the source environment; for example, if the database in the source environment is an Oracle database, the database in the target environment must also be an Oracle database.

2. Copy and paste wls\_jrf.jar binary files to the target environment by using the T2P copy and paste scripts:

**Note:** The scripts used in the following examples—called movement scripts—are located in ORACLE\_HOME/oracle\_common/bin/ (ORACLE\_HOME\oracle\_common\bin\ on Windows). For more information on the Move scripts, see "Movement Scripts and Move Plans" in *Administering Oracle Fusion Middleware*.

#### To copy:

#### On Linux or UNIX:

```
$ ./copyBinary.sh -javaHome /usr/local/packages/jdk8
        -archiveLoc /scratch/myuser/T2P/oh_copy.jar
        -sourceOracleHomeLoc /scratch/myuser/WLS_12.2.1_HOME
```

#### On Windows:

```
C:\ copyBinary.cmd -javaHome C:\Program Files\Java\jdk1.8.0_25
-archiveLoc userhome\T2P\oh_copy.jar
-sourceOracleHomeLoc userhome\WLS_12.2.1_HOME
```

To paste:

First, copy the pasteBinary script and the cloningclient.jar file to the target system and ensure that they have execute permission. cloningClient.jar is located in ORACLE\_COMMON\_HOME/jlib/cloningclient.jar (Linux) or ORACLE\_COMMON\_HOME/jlib/cloningclient.jar (Windows).

Then, depending on your O/S, do one of the following:

On Linux or UNIX:

On Windows:

```
C: pasteBinary.cmd -javaHome C:\Program Files\Java\jdk1.8.0_25
-archiveLoc userhome\T2P\oh_copy.jar
-targetOracleHomeLoc userhome\WLS_1221_COPY_HOME
-targetOracleHomeName WLS_1221_COPY_HOME_1
```

- **3.** Using any text editor, create a new text file called adminuser\_password.txt and enter a password for the Oracle WebLogic Server administrative user (for example, weblogic) in the file and save it. This file will be used in next step.
- 4. Login into your WebLogic Server console.
- 5. Select **Preferences** at the top next to Logout.
- 6. At the bottom of the screen, unselect **Automatically Acquire Lock and Activate Changes** then save these changes.
- Click Release the Configuration Lock on LHS.
- 8. Restart your WebLogic Administration Server.
- 9. Create a schema password test file on the target schema named moveplan.xml.
- **10.** Edit moveplan.xml on the target and update target schema name and target schema password file with the absolute path.
- 11. Stop your WebLogic Administration Server.
- **12.** Use the copyConfig script to copy the Oracle GoldenGate Monitor Weblogic domain configuration to the target environment; for example:

**Note:** Before you execute the copyConfig.sh script in a WebLogic Server domain, make sure that the Administration Server and Managed Servers are running.

On Linux or UNIX:

```
$ ./copyConfig.sh -javaHome /usr/local/packages/jdk8
        -archiveLoc /scratch/myuser/T2P/oggmon_domain.jar
        -sourceDomainLoc /scratch/myuser/OGGMON_INSTALLS/oggmon_domain
        -sourceOracleHomeLoc /scratch/myuser/WLS_12.2.1_HOME
        -domainHostName myhost.example.com
        -domainPortNum 7001
        -domainAdminUserName weblogic
        -domainAdminPasswordFile
        /scratch/myuser/T2P/adminuser_password.txt
```

On Windows:

- C:\ copyConfig.cmd -javaHome C:\Program Files\Java\jdk1.8.0\_25 -archiveLoc userhome\T2P/oggmon\_domain.jar -sourceDomainLoc userhome\OGGMON\_INSTALLS\oggmon\_domain -sourceOracleHomeLoc userhome\WLS\_12.2.1\_HOME -domainHostName myhost.example.com -domainPortNum 7001 -domainAdminUserName weblogic -domainAdminPasswordFile userhome\T2P\adminuser\_password.txt
- 13. Use the extractMovePlan. script to extract the move plan from the domain configuration jar file (oggmon\_domain.jar) so you can make required updates to the target environment; for example:

```
On Linux or UNIX:
```

On Windows:

```
C:\ extractMovePlan.cmd -javaHome C:\Program Files\Java\jdk1.8.0_25
-archiveLoc userhome\T2P\oggmon_domain.jar
-planDirLoc userhome/T2P\extract_plans
```

For information about the properties in the move plans, and which properties you should edit, see "Modifying Move Plans" in *Administering Oracle Fusion Middleware*.

**14.** Use the pasteConfig script to paste the generated configuration into the target environment; for example:

On Linux or UNIX:

```
$ ./pasteConfig.sh -javaHome /usr/local/packages/jdk8
```

- -archiveLoc /scratch/myuser/T2P/oggmon\_domain.jar
- -targetDomainLoc /scratch/myuser/OGGMON\_INSTALLS/
  oggmon\_domain\_copy
- -targetOracleHomeLoc /scratch/myuser/WLS\_1221\_COPY\_HOME
- -movePlanLoc /scratch/myuser/T2P/extract\_plans/moveplan.xml
- -domainAdminPasswordFile /scratch/myuser/T2P/ adminuser\_password.txt
  - -logDirLoc /scratch/myuser/T2P/log

On Windows:

```
C:\ pasteConfig.cmd -javaHome C:\Program Files\Java\jdk1.8.0_25
-archiveLoc userhome\T2P\oggmon_domain.jar
-targetDomainLoc userhome\OGGMON_INSTALLS\oggmon_domain_copy
-targetOracleHomeLoc userhome\WLS_1221_COPY_HOME
-movePlanLoc userhome\T2P\extract_plans\moveplan.xml
```

- -domainAdminPasswordFile userhome\T2P\adminuser\_password.txt
- -logDirLoc userhome\T2P\log
- **15.** Update the Oracle GoldenGate Monitor Server configuration by doing the following:
  - Update the Oracle GoldenGate Monitor Server oggmon.properties configuration file.
  - Move the SSL certificates manually to the target environment. For information about using SSL with Oracle GoldenGate Monitor, see "Using SSL Communication" in Administering Oracle GoldenGate Monitor.

- Using the WebLogic Scripting Tool (WLST), update Oracle GoldenGate Monitor Server-related passwords for target environment. For more information on using WLST, see Understanding the WebLogic Scripting Tool.
- **16.** Install and configure Oracle GoldenGate Monitor Agent software on the target machine. For instructions, see *Installing and Configuring Oracle GoldenGate Monitor Agent*.

**Note:** T2P scripts are not available for standalone products, like Oracle GoldenGate Monitor Agent.

# 7.4 Verifying the Move

Verify that the T2P move was successful by doing the following:

- Start the administration server, as described in Section 4.5.1, "Starting the Oracle WebLogic Administration Server" and managed server, as described in Section 4.5.3, "Start the WebLogic Managed Server".
- **2.** Go to Oracle GoldenGate Core GGSCI terminal and start Oracle GoldenGate Monitor Agent by executing the start jagent command:

GGSCI>start jagent

If everything starts successfully, the T2P process is complete.

# 7.5 Additional Information

For more information on moving from a test to a production environment, see the following chapters in *Administering Oracle Fusion Middleware*:

- "Moving from a Test to a Production Environment"
- "Movement Scripts and Move Plans"

# Installation and Configuration Screens

This appendix contains images and descriptions of the Oracle GoldenGate-specific screens used by the Oracle Universal Installer (OUI). This information is contained in the following sections:

- Section A.1, "Installation Screens for Oracle GoldenGate Monitor"
- Section A.2, "Repository Creation Utility (RCU) Screens for Oracle GoldenGate Monitor"
- Section A.3, "Configuration Wizard Screens for Oracle GoldenGate Monitor"

# A.1 Installation Screens for Oracle GoldenGate Monitor

This section shows examples of the Oracle Universal Installer screens for Oracle GoldenGate Monitor. These screens are:

- Welcome
- Auto Updates
- Installation Location
- Installation Type
- Prerequisite Checks
- Installation Summary
- Installation Progress
- Installation Complete

# A.1.1 Welcome



This page provides two important pieces of information:

- A navigation pane on the left that summarizes the tasks the installer will help you complete. Each item in the navigation pane represents a specific installer screen that will prompt you for information required to install the software.
- Information about any prerequisites you might need to perform before continuing with the installation.

Review the information on this screen carefully to be sure you have performed all the necessary prerequisites.

#### A.1.2 Auto Updates

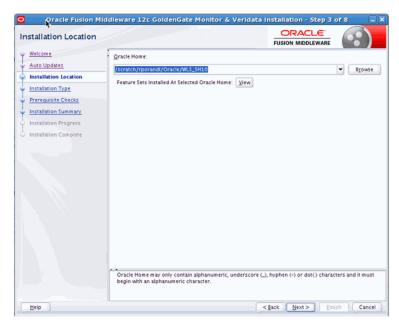
ito Updates		
Welcome	Skip Auto Updates	
Auto Updates	Select patches from directory	
Installation Type	Location	Brow
Prerequisite Checks	Search My Oracle Support for Updates	DI QV
Installation Summary		
nstallation Progress	Username	
Installation Complete	Password	
	Proxy Settings	Test Connection
	Search	

Use this screen to quickly and easily search for the latest software updates, including important security updates, through your My Oracle Support account.

Element	Description		
Skip Auto Updates	Select this option to skip this screen. The installer does not check for updates that might be applicable to the current product installation.		
Search Local Directory for Updates	Select this option if you already downloaded the latest software updates and you want the installer to search a local directory for updates applicable to the products you are about to install.		
	When you select this option, the installer displays an additional field and <b>Browse</b> button that you can use to identify the local directory where the updates are located.		
Search My Oracle Support for Updates	If you have a My Oracle Support account, then select this option to have the installer automatically search My Oracle Support for software updates that apply to the software products are about to install.		
	Enter your My Oracle Support account name and password, and then click <b>Search for Updates</b> .		
	The installer automatically downloads applicable software updates from My Oracle Support.		
	Before you search for updates, you can test your login credentials and the connection to My Oracle Support by clicking <b>Test Connection</b> .		

The following table describes the fields on this screen.

# A.1.3 Installation Location



If you have an existing directory into which one or more Oracle products have already been installed, that directory can be viewed in the drop-down list. You can see which products are installed in that particular directory by clicking View next to "Features Sets Installed at Selected Oracle Home."

If you want your product to be installed in a new directory, type the full path of your new directory in the Oracle Home field; the installer will create the specified directory for you.

If you are installing Oracle Fusion Middleware Infrastructure, then the Oracle Common home (oracle\_common) directory will be created inside the specified Oracle home directory. The Oracle Common home contains services that are shared across all Oracle Fusion Middleware products.

# A.1.4 Installation Type

Oracle Fusion Mide	dieware 12c GoldenGate Monitor & Veridata Installation - Step 4 of	8 _ X
Installation Type		
Welcome     Auto Updates     Installation Location     Installation Type	Oracle ColdenGate Veridata Agent	•
Prerequisite Checks     Installation Summary     Installation Progress	Oracle GoldenGate Veridata Server and Agent	
Installation Complete	Oracle GoldenGate Monitor Server	****
	Oracle GoldenGate Monitor Agent	
	Oracle GoldenGate Monitor Server and Monitor Agent     Oracle fusion Middleware 12c GoldenGate Nonitor & Veridata 12.2.1.0.0	
	Oracle rusion Middleware 12C GoldenGate Monitor & Verkdata 12.2.1.0.0     Monitor     Monitor     Monitor     Monitor 13.3.1.0	•
		Contra
Help	< <u>Back</u> Next> Einish	Cancel

The options you see on this screen will differ depending on the product you are installing. Refer to Section 3.1.3, "Install the Product" for specific details.

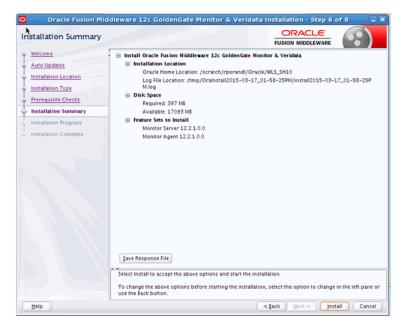
# A.1.5 Prerequisite Checks

erequisite Checks	*		
Welcome			
Auto Updates		100%	
Installation Location		Checking operating system certification	
Installation Type		Checking Java version used to launch the installer	
Prerequisite Checks	-	checking java version used to raunch the installer	
Installation Summary			
Installation Progress	<u> </u>		
Installation Complete			
	Stop	Berun Sijp ViewSuccessful Tasks	ViewLog
	200		164.703

Button	Description			
Stop	Click this button to stop prerequisite checking for all components.			
Rerun	Click this button if you have encountered any warning or error messages, addressed them appropriately, and want to try the prerequisite checking again.			
Skip	Click this button to ignore any error or warning messages and co with the installation.			
View Successful Tasks	This check box is selected by default, and shows the list of tasks in the main part of the screen as they are completed.			
	De-select this check box if you do not want to see the list of tasks.			
View Log	Click this button to open a separate window containing a detailed log file of the prerequisite checking.			

The following table describes the options on this screen:

# A.1.6 Installation Summary



You can click an individual component to display its approximate installed size.

Click **Save Response File** to save this configuration to a response file, which can be used later in a silent install situation. See Chapter 2, "Using the Oracle Universal Installer in Silent Mode" in *Installing with the Oracle Universal Installer* for more information about response file and silent installation.

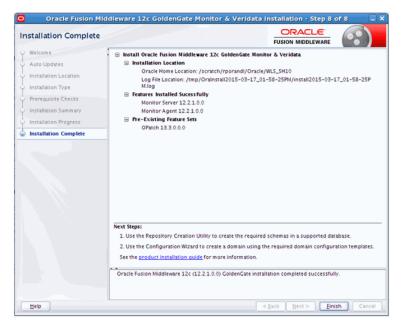
# A.1.7 Installation Progress

Oracle Fusion Middle	eware 12c GoldenGate Monitor	& Veridata Installation - Step 7 o	f 8 💷 🗙
Installation Progress			
Q Welcome			
Y Auto Updates		100%	
Installation Location	✓ Prepare		
🖞 Installation Type .	•		
Prerequisite Checks	*		
Installation Summary			
Installation Progress			
Installation Complete			
	•		
	Saving the inventory		
	Post install scripts		
	View <u>M</u> essages	✓ View Successful Tasks	View Log
	Mar and	Hardware and So Engineered to Work	
Help		< Back Next > Einis	h Cancel

The following table describes the options on this screen.

Button	Description		
View Messages	Click <b>View Messages</b> to see the installer messages at the bottom of the screen, where the billboard is located. Click the button again to return to the billboard.		
View Successful Tasks	This check box is selected by default, and shows the list of tasks in the main part of the screen as they are completed.		
	De-select this check box if you do not want to see the list of tasks.		
View Log	Click <b>View Log</b> to see the installer log; the log will be displayed in a separate window.		

# A.1.8 Installation Complete



# A.2 Repository Creation Utility (RCU) Screens for Oracle GoldenGate Monitor

This section provides sample images of the screens used to create a data repository for Oracle GoldenGate Monitor Server. These screens are:

- Welcome
- Create Repository
- Database Connection Details
- Select Components
- Schema Passwords
- Map Tablespaces
- Summary
- Completion Summary

The following examples comprise an overview of the RCU screens that apply to Oracle GoldenGate Monitor. For more detailed information on these screen and repository creation in general, see *Creating Schemas with the Repository Creation Utility*, particularly "Understanding Repository Creation Utility Screens".

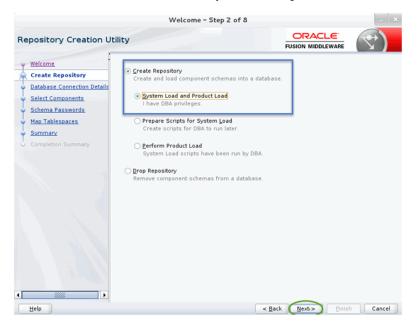
#### A.2.1 Welcome

This screen introduces you to the product installer.



# A.2.2 Create Repository

Use this screen to select the action you want to perform.



# A.2.3 Database Connection Details

Use this screen to specify the connection credentials to the database in which you will be creating or dropping your schemata.

Average Service Servic	Ility Database Type: Host Name: Port: Service Name:	Oracle Database Oracle Database Coracle Database Coracle Database Coracle Database, specify VIP name or one of the Node name as Host name For SCAN enabled RAC database, specify SCAN host as Host name Is22 Is22 Is22 Is22 Is22 Is22 Is22 Is2
Create Repository Database Connection Def Select Components Schema Passwords Map Tablespaces Summary	Host Na <u>m</u> e: P <u>o</u> rt:	localhost For RAC database, specify VIP name or one of the Node name as Host name For SCAN enabled RAC database, specify SCAN host as Host name.
Select Components Schema Passwords Map Tablespaces Summary	P <u>o</u> rt.	For RAC database, specify VIP name or one of the Node name as Host name For SCAN enabled RAC database, specify SCAN host as Host name. 1521
Map Tablespaces Summary	-	1521
Summary	<u>S</u> ervice Name:	011204
	<u>U</u> sername:	oggmon User with DBA or SYSDBA privileges. Example:sys
	Password:	•••••
	<u>R</u> ole:	Normal
		One or more components may require SYSDBA role for the operation to succeed.
	Invalid username/j Please enter valid	/password. d username/password

# A.2.4 Select Components

Use this screen to select the components for the database you are creating. Components will vary depending upon which database you will be running.

elect Components			
Welcome	and manage the schemas lat		ssion, so you can easily locate, referen
Create Repository	Select existing prefix:		
Database Connection Details	Oreate new prefix:	DEV	
Select Components	O Zreate new prens.		not start with a number. No special
Schema Passwords		characters.	inot start with a number. No special
Map Tablespaces	Component		Schema Owner
Summary	□□ Oracle AS Reposito	ry Components	
	回函AS Common Sch		
Completion Summary	User Messag	ing Service	UMS
	□ Metadata Se	rvices	MDS
	WebLoaic Ser		WLS
		astructure Services	DEV_ST8
		rm Security Services	DEV_OPSS
	Audit Service		DEV_IAU
	Audit Service		DEV_IAU_APPEND
	Audit Service		DEV_IAU_VIEWER
	■☑ Oracle GoldenG		
	Monitor Serve	er	DEV_OGGMON
necking Component Prerequisites	on Utility – Checking Pre		
Monitor Server		00:00.139(ms)	
Common Infrastructure Service		00:00.121(ms)	
Oracle Platform Security Ser	vices	00:00.116(ms)	
Audit Services		00:00.120(ms) 00:00.116(ms)	
Audit Services Append Audit Services Viewer		00:00.123(ms)	
Audit Services Viewer			ack Next > Finish Car
			Terre Terres Terrest

# A.2.5 Schema Passwords

Use this screen to define the passwords for the main and auxiliary scheme users.

	W	elcome - Step 5 of 8		-
Repository Creation U	tility			3
<u>Welcome</u> Create Repository		main and auxiliary schema users ds for all schemas	5.	
Database Connection Details     Select Components     Schema Passwords		Alpha numeric only.Cannot start No special characters except: \$.		
Map Tablespaces Summary		passwords for auxiliary schemas		
Completion Summary	Specify different pa	sswords for all schemas	Remember the password here!	
	* *			
Help			Back Next > Finis	Cancel

### A.2.6 Map Tablespaces

This screen lists the tablespaces for the selected components.

Welcome	<ul> <li>Default and temporary tak To create new tablespace</li> </ul>			
Create Repository				Manage <u>T</u> ablespa
Database Connection Detai		Schema Owner	Defeuth Teklesses	Tomp Tablacasa
Select Components	Component Monitor Server		Default Tablespace	Temp Tablespace
Schema Passwords	Common Infrastructu	DEV_OGGMON	*DEV_OGGMON *DEV_STB	*DEV_IAS_TEMP
Map Tablespaces	Oracle Platform Secu		*DEV_STB *DEV_IAS_OPSS	*DEV_IAS_TEMP *DEV_IAS_TEMP
Map Tablespaces	Audit Services	DEV_OPSS DEV_IAU	*DEV_IAS_OPSS	*DEV_IAS_TEMP
Summary	Audit Services Append		*DEV_IAU	*DEV_IAS_TEMP
Completion Summary	Audit Services Append	DEV IAU VIEWER	*DEV_IAU	*DEV_IAS_TEMP
	Any tablespaces that the selected schemas Click OK to create tab Click Cancel to return	will be created. lespaces.		
			ncel	

# A.2.7 Summary

This screen summarizes the details of the repository you are creating.

Welcome	Database details:			
Create Repository	Host Name: localhost			
Database Connection Detail	Port: 1521 Service Name: 011204			
	Connected As: oggmon			
Select Components		Load concurrently		
Schema Passwords	Prefix for (prefixable) Schema Owne	re:DEV		
Map Tablespaces	Prenx for (prenxable) Schema Owne	rs.DEV		
Summary	Component	Schema Owner	Tablespace Type	Tablespace Nam
	Monitor Server	DEV_OGGMON	Default	DEV_OGGMON
Completion Summary		-	Temp	DEV IAS TEMP
			Additional	None
	Common Infrastructure Services	DEV STB	Default	DEV STB
			Temp	DEV IAS TEMP
			Additional	None
	Oracle Platform Security Services	DEV OPSS	Default	DEV IAS OPSS
		-	Temp	DEV IAS TEMP
			Additional	None
	Audit Services	DEV IAU	Default	DEV IAU
			Temp	DEV IAS TEMP
			Additional	None
	Audit Services Append	DEV_IAU_APPEND	Default	DEV IAU
			Temp	DEV IAS TEMP
			Additional	None
	Audit Services Viewer	DEV IAU VIEWER	Default	DEV IAU
			Temp	DEV IAS TEMP
			Additional	None

## A.2.8 Completion Summary

This screen contains information about the log files that were created from this RCU operation. You can click on the name of a particular log file to view the contents of that file.

Port: 1	alhost 521		
Host Name: loc Port: 1 Service Name: 012			
RĊU Logfile: /u01 /oracle_common/rcu/log/logdir.2015-0 Component Log Directory: /u01/app Execution Time: 4 mi View rcu.lo Log:	tern and Data Lo /app/wls_12.2.1 2-25_14-33/rcu. /wls_12.2.1/ora nutes 3 second g	cle_common/rcu/log/lo	gdir.2015-02-25_14-33 Loafile(Click to view)
Monitor Server Common infrastructure Services Oracle Platform Security Services Audit Services Audit Services Append Audit Services Viewer	Success Success Success Success Success Success	0016.6226(sec) 00:09.520(sec) 00:16.995(sec) 00:12.792(sec) 00:09.22(sec) 00:09.236(sec)	oggmon.log stb.log opss.log iau.log iau.appenl.log iau.yiewer.log
	Component Log Directory: //U0Japp Execution Time: 4 mi View for (prefixable) Schema Owners Prefix for (prefixable) Schema Owners Component Monitor Server Common Infrastructure Services Oracle Platform Security Services Audit Services Append	Component Log Directory: ///01/app/wls_12.1./ora Execution Time: 4 minutes 3 second View rcu.log Prefix for (prefixable) Schema Owners:DEV Component Status Monitor Server Success Common Infrastructure Services Success Oracle Plaform Security Services Success Audit Services Append Success	Component Log Directory: / v01/app/vls_12.2.1/oracle common/rcu/log/lo Execution Time: 4 minutes 3 seconds Usew rcu.log Prefix for (prefixable) Schema Owners: DEV Component Status Time Monitor Server Success 00:16.625(sec) Common infrastructure Services Success 00:16.955(sec) Oracle Platform Security Services Success 00:16.955(sec) Audit Services Append Success 00:12.752(sec)

If there were any problems encountered during schema creation, you can troubleshoot the issue by using the log files.

If errors are encountered during a Create operation, or if a Create operation fails for any component, the Cleanup for failed components check box appears on this page and is selected by default. If selected, RCU will perform cleanup operations for the component that failed during the Create operation. If you choose not to select this check box, you can cleanup the failed component at a later time by performing a Drop operation for the failed component(s).

# A.3 Configuration Wizard Screens for Oracle GoldenGate Monitor

This section provides samples of the screens used to configure a Oracle WebLogic Server domain for Oracle GoldenGate Monitor Server. These screens are:

- Configuration Type
- Templates
- Administrative Account
- Domain Mode and JDK
- Database Configuration Type
- JDBC Component Schema
- JDBC Component Schema Test
- Credentials
- Advanced Configuration
- Administration Server
- Managed Servers
- Clusters
- Coherence Cluster
- Machines
- Configuration Summary
- Configuration Progress
- Configuration Success

The following examples comprise an overview of the Configuration Wizard screens that apply to Oracle GoldenGate Monitor. For more detailed information on these screens and domain configuration in general, see *Creating WebLogic Domains Using the Configuration Wizard*.

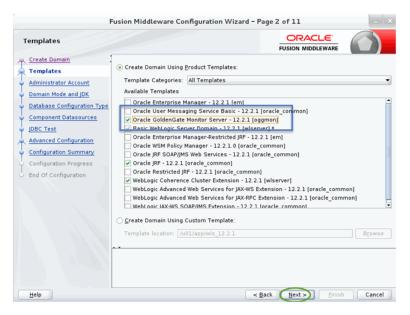
# A.3.1 Configuration Type

Use this screen to define why you are using the Configuration Wizard: to create a new domain or update an existing domain.

	Fusion Middleware Configuration Wiza	rd – Page 1 of 8	- ×
Configuration Type			
Create Domain Templates Administrator Account Domain Mode and DK Advanced Configuration Configuration Summary Configuration Progress End Of Configuration	What do you want to do? Create a new domain Update an existing domain Domain Location //u01/app/wls_12.2.1/domain Create a new domain.		Browse
Help		< Back Next > Finish	Cancel

#### A.3.2 Templates

Use this screen to choose whether to create or extend a domain that is configured automatically to support selected products, or to create or extend a domain based on an existing domain or application template. Each template in the displayed list is associated with a single product template (a JAR file) which configures the required domain resources for the product. If the selected template has dependencies on other templates, the dependency templates are automatically selected or included in the domain.



# A.3.3 Administrative Account

Use this screen to define the default WebLogic Administrator account for the domain. This account is used to boot and connect to the domain's Administration Server.

	Fusion Middlewa	re Configuration Wizard	- Page 3 of 12	_ ×
Administrator Account				
Create Domain Templates Administrator Account Domain Mode and JDK Database Configuration Type Component Databources JDBC Test Credentials Advanced Configuration Configuration Summary Configuration Progress End Of Configuration	Name Password Confirm Password	weblogic		
Help			< Back Next > Finis	h Cancel

# A.3.4 Domain Mode and JDK

Use this section to specify whether you want to run Oracle GoldenGate Monitor in Production mode or Development mode.

	Fusion Middleware Configuration Wizard – Pa	ige 4 of 12	_ ×
Domain Mode and JDK			
Create Domain Templates Administrator Account Domain Mode and JDK Database Configuration Type Component Datasources JDBC Test Credentials Advanced Configuration Configuration Progress End Of Configuration	Domain Mode  © gevelopment Ullize hoot properties for username and pass Production Require the entry of a username and passwo JDK  © gracle HotSpot 1.8.0_40-ea /usr/java/jdk1.8.0_ Other JDK Location:	rd, and do not poll for applic	
Help	< <u>B</u>	ack Next > Einist	Cancel

### A.3.5 Database Configuration Type

Use this screen to specify the information for connecting to the database to retrieve schema information that will be used to populate the schema fields on subsequent component schema screens.

F	usion Middleware Configuration Wizard - Pa	ge 5 of 12	- ×
Database Configuration	Гуре		
Create Domain Templates Administrator Account Domain Mode and JDK Database Configuration Ty	Specify AutoConfiguration Options Using: BCU Data <u>Manual Configuration</u> Enter the database connection details using the Repos schema credentials. The Wizard uses this connection t required for components in this domain.		
Component Datasources JDBC Test Credentials Advanced Configuration Configuration Summary Configuration Progress End Of Configuration	Vendor: Oracle Driver: *Oracle DBMS/Service: 011204 Host Name: It Schema Owner: DEV_STB Schema Passw Get RCU Configuration Cancel Connection Result Log	ord: [******	Port: 1521
Help	< <u>B</u> a	ck Next > Finish	Cancel

### A.3.6 JDBC Component Schema

Use this screen to configure the JDBC component schema settings, such as database driver, schema owner, password, and so on.

JDBC Component Schem	na						
<u>Create Domain</u> <u>Templates</u> <u>Administrator Account</u> <u>Domain Mode and JDK</u> <u>Database Configuration Type</u> <u>Component Datasources</u> <u>JDBC Test</u>	DE Sc Or	ndor: IMS/Service: hema Owner: acle RAC configuration I Convert to Gri lits to the data above w	for component	overt to RAC multi	i data sour	0	convert
Advanced Configuration Configuration Summary Configuration Progress End Of Configuration		Component Schema LocalSvcTbl Schema Monitor Server Scher OPSS Audit Schema OPSS Audit Viewer Sc OPSS Schema	011204	Host Name localhost localhost localhost localhost localhost	Port 1521 1521 1521 1521 1521	Schema Ow DEV_STB DEV_OGGMOI DEV_IAU_APPI DEV_IAU_VIEW DEV_OPSS	Schema Pass
Help				< Back	Next	Finish	

### A.3.7 JDBC Component Schema Test

Use this screen to test the configurations that you specified for the data sources in the previous screen. Note that:

- If the JDBC driver JAR file for a data source is not in the classpath, the data source is not selectable for testing.
- If you are updating a domain, all data sources that exist in the original domain are not selected by default. Only new data sources are selected and tested by default.

F	usi	on Mic	Idleware Configu	ration Wizard - F	age 7 of 12	- ×
JDBC Component Schema	n Te	st				
A Create Domain		Status	Component Schema		JDBC Connection URL	
a Templates		1	LocalSvcTbl Schema	jdbc:oracle:thin:@//	localhost1521/011204	
Administrator Account		1	Monitor Server Sche	jdbc:oracle:thin:@//	localhost1521/011204	
		1	OPSS Audit Schema	jdbc:oracle:thin:@//	localhost1521/011204	
Domain Mode and JDK		1	OPSS Audit Viewer :	jdbc:oracle:thin:@//	localhost1521/011204	
Database Configuration Type		1	OPSS Schema	jdbc:oracle:thin:@//	localhost1521/011204	
Component Datasources						
JDBC Test						
<ul> <li>Credentials</li> </ul>						
Advanced Configuration	C	T C .	lected Connections			
<u>Configuration Summary</u>		lest Se	lected Connections	<u>Cancel Testing</u>		
Configuration Progress	Co	nnectio	n Result Log			
End Of Configuration			Schema=LocalSvcTb	l Schema		•
			:le.jdbc.OracleDriver racle:thin:@//localhos	t 1521/011204		
	Use	r=DEV	STB			
		sword=	****** SELECT 1 FROM DUAL			
	1501	, rest=:	SELECT I FROM DUAL			
			213: Test Successful!			
	4	FWK-64	213: IDBC connection	test was successful		
Help				_ <	Back Next > Einis	Cancel

### A.3.8 Credentials

Use this screen to provide credentials for each key in the domain.

F	Fusion Middleware Co	onfiguration Wizar	d – Page 8 of 12	- 1
Credentials				
Create Domain Templates	💠 Add 🛛 💥 Dele	te		🗐 Dis <u>c</u> ard Changes
Administrator Account	Key Name	Usemame	Pasoword	Store Name
Domain Mode and JDK	WEB.JMX.PASSWORD	jmxuser		DGGMONITOR
Database Configuration Type	MONITOR.KEYSTORE.P	keystoreuser		DGGMONITOR
	MONITOR. TRUSTSTOR	truststoreuser		DGGMONITOR
JDBC Test	WEB.SMTP.EMAIL.PAS	emailuser	•••••	DGGMONITOR
Configuration Summary Configuration Progress End Of Configuration				
Help			< Back Next >	Finish Cancel

### A.3.9 Advanced Configuration

Use this screen to select the categories (if any) for which you want to perform advanced configuration. For each category you select, the appropriate configuration screen is displayed to allow you to perform advanced configuration. If you do not select any items on this screen, the Configuration Summary screen is displayed next.

F	usion Middleware Configuration Wizard – Pa	ge 9 of 12	- ×
Advanced Configuration			
Create Domain  Templates  Administrator Account  Domain Mode and JDK  Database Configuration Type Component Datasources  JDBC Test Credentials  Advanced Configuration Configuration Progress End Of Configuration	Administration Server Modify Settings Hode Manager Configure Node Manager Managed Servers, Clusters and Coherence Add or Delete or Modify Settings Domain Frontend Host Capture Configure Domain Frontend Host Deployments and Services Target to Servers or Clusters		
Help	< 84	ick Next > Einish	Cancel

**Note:** The categories that are listed on this screen depend on the resources defined in the templates you selected for the domain.

# A.3.10 Administration Server

Use this screen to configure or change the following Administration Server settings.

- Server
- Listen address

\_

- Listen port
- Enable SSL
- SSL listen port
- Server Groups

Fusio	on Middlewar	re Configuration Wiza	rd - Page 10 of 17	
Administration Server				
Treate Domain				
Templates				
Administrator Account				
Domain Mode and JDK				
Database Configuration Type				
Component Datasources	Server Name	AdminServer		
UDBC Test	Listen Address	All Local Addresses		-
Credentials	Listen Port	7001		
Advanced Configuration	Enable SSL			
Administration Server	SSL Listen Port			
Managed Servers	SELISTERIOR			
<u>Clusters</u>	Server Groups	Unspecified		-
Coherence Clusters				
Machines				
Configuration Summary				
Configuration Progress				
End Of Configuration				
Help			< <u>B</u> ack <u>N</u> ext > Einis	h Cancel

# A.3.11 Managed Servers

Use this screen to add, delete, or clone Managed Servers, and assign a user-expandable server group (if available) to a Managed Server. You can also change the settings for an existing Managed Server.

🔂 Fusi	on Middleware Con	figuration Wizar	d - Page 1	1 of 17		_×
Managed Servers						
<u>← Create Domain</u> <u>→ Templates</u>	🛉 🛓 dd 🖉 🖹 🗈 Clo	ne XDelete			🔊 Dis <u>c</u> a	ard Changes
Administrator Account	Server Name	Listen Address	Listen Port	Enable SSL	SSL Listen Port	Server Groups
<ul> <li>Domain Mode and JDK</li> <li>Database Configuration Type</li> </ul>	MONITORSERVER_server	All Local Address 🔻	7003		Disabled	MONITORS 🔻
Component Datasources						
↓ <u>IDBC Test</u> ↓ ↓ <u>Credentials</u>						
Advanced Configuration						
Administration Server     Managed Servers						
<u>Clusters</u> Coherence Clusters						
Machines						
Configuration Summary Configuration Progress						
End Of Configuration						
Help			< <u>B</u> ack	<u>N</u> ext >	<u> </u>	Cancel

# A.3.12 Clusters

Use this screen to add or delete clusters. You can also change the Cluster Name and Cluster Address settings for an existing cluster.

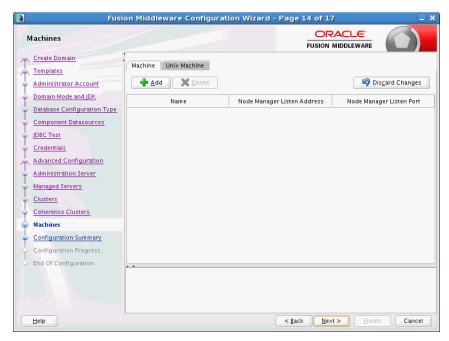
🛐 Fusi	on Middleware (	Configuration W	izard - Page	L2 of 17	
Clusters	52	and a second			
Templates	🕂 Add	Delete		<b>1</b>	Dis <u>c</u> ard Changes
Administrator Account	Cluster Name	Cluster Address	Frontend Host	Frontend HTTP Port	Frontend HTTPS Port
Domain Mode and JDK					
Database Configuration Type					
Component Datasources					
JDBC Test					
Credentials					
Advanced Configuration					
Administration Server					
Managed Servers					
Clusters					
Coherence Clusters					
<u>Machines</u>					
Configuration Summary					
Configuration Progress					
End Of Configuration					
Help	L		< <u>B</u> ack	<u>N</u> ext > <u>Einis</u>	h Cancel

# A.3.13 Coherence Cluster

This screen is displayed only if you included Coherence in the WebLogic Server installation.

### A.3.14 Machines

Use this screen to add or delete machines, or to modify the settings for an existing machine.



# A.3.15 Configuration Summary

Use this screen to review the detailed configuration settings of your domain before continuing.

Configuration Summary				
Create Domain Templates Administrator Account Domain Mode and JDK Database Configuration Type Component Datasources JDBC Test Credentials Advanced Configuration Configuration Summary Configuration Progress End Of Configuration	View: Deployment  domain (/u01/app/wis_12.2.1/domain)  domain (/u01/app/wis_12.2.1/domain)  Service  Service  Shutdown  Shutdo	ain Creation, g	Oracle Corporat //01/app/wls_12 Oracle GoldenG Creates Oracle Oracle Corporat //01/app/wls_12 Oracle JRF Full JRF Oracle Corporat //01/app/wls_12 Oracle JRF Base Required for Fus Oracle Corporat Oracle Corporat Oracle Corporat Oracle Corporat //00/app/wls_12	WebLogic Server ion Calvelocate Monitor Ser GoldenCate Mo ion 2.2.1/orggmon/cr ion 1.2.1/oracle_cor ion Middleware ion 2.2.1/oracle_cor 2.1.1/oracle_cor cwebLogic dor ion cwebLogic dor ion cwebLogic dor ion cwebLogic dor ion

# A.3.16 Configuration Progress

This screen uses a progress bar and message panel to indicate the progress of your domain configuration process.

F	usion Middleware Configuration Wizard - Page 11 of 12	_ ×
Configuration Progress		
Create Domain Templates Administrator Account Domain Mode and JDK Database Configuration Type Component Datasources JDBC Test Credentials Credentials Credentials Configuration Summary Configuration Summary End of Configuration	IOD%           Preparing           Extracting Domain Contents           Creating Domain Security Information           Starting OPS Security Configuration Data Processing           The OPSS Security Configuration Data Processing Completed           Saving the Domain Information           String Domain Information           String Domain Information           String Dows Domain Information           String Dove Domain Information           String Dove Domain Information           String OPS Security Configuration Commit Task           The OPSS Security Configuration Commit Task           Domain Information	
Help	< Back (Next>) Einish	Cancel

# A.3.17 Configuration Success

This screen appears when domain creation has successfully completed.

Fu	usion Middleware Configuration Wizard - Page	12 of 12	- ×
End Of Configuration			
Create. Domain Templates Administrator Account Domain Mode and JDK Database Configuration Type Component Datasources JDBC Test Credentials Advanced Configuration Configuration Summary Configuration Progress	✓ Oracle Weblogic Server Configuration Succeed New Domain domain Creation Succeeded Domain Location (V01/App/Wis 12.2.1/domain Admin Server URL http://oggmon.us.oracle.com:7001/console	led	
End Of Configuration			
Help	< <u>B</u> ac	k Next > Einist	Cancel