

**Oracle Utilities Work and Asset
Management Connector for Enterprise
Resource Planning**

Installation Guide

Release 12.1

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Oracle Utilities Work and Asset Management Connector for Enterprise Resource Planning, Release 12.1
Installation Guide

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Preface

Audience

This document is intended for anyone implementing the Oracle Utilities Work and Asset Management Connector for Enterprise Resource Planning.

Documentation and Resources

For more information regarding this integration, foundation technology and the edge applications, refer to the following documents:

Product Documentation

Topic	Description
Integration documentation:	
Oracle Utilities Work and Asset Management Connector for Enterprise Resource Planning Release Notes	
Oracle Utilities Work and Asset Management Connector for Enterprise Resource Planning Implementation Guide	Refer to the Oracle Utilities applications documentation page: http://docs.oracle.com/cd/E72219_01/documentation.html
Oracle Utilities Work and Asset Management Connector for Enterprise Resource Planning Installation Guide	
Edge application documentation:	
Oracle Utilities Work and Asset Management Enterprise Resource Planning	

Additional Documentation

Resource	Location
SOA Suite 12c documentation	Refer to the SOA documentation at: http://www.oracle.com/technetwork/middleware/soasuite/documentation/index.html
Oracle Support	Visit My Oracle Support at https://support.oracle.com regularly to stay informed about updates and patches. Access the support site for the Edge Application Certification Matrix for Oracle Utilities Products (Doc ID 1454143.1) or refer to the Oracle Utilities Integrations page at http://my.oracle.com/site/tugbu/productsindustry/productinfo/utilities/integration/index.htm
Oracle Technology Network (OTN) Latest versions of documents	http://www.oracle.com/technetwork/index.html
Oracle University for training opportunities	http://education.oracle.com/
Web Services Security	For more information about Web services security using Oracle Fusion Middleware 12c refer to https://docs.oracle.com/middleware/12211/cross/webservicetasks.htm .
Oracle Fusion Middleware 12c documentation	Refer to the Oracle applications documentation page: http://docs.oracle.com/en/middleware/
Oracle Fusion Middleware “What's New In Oracle WebLogic Server” Section: Standards Support, Supported Configurations and WebLogic Server Compatibility, Database Interoperability	http://docs.oracle.com/middleware/1221/wls/NOTES/toc.htm
For additional information on the type of database to use.	
Instructions on installing this integration on non-Windows/ Linux platforms	Refer to Oracle Support Knowledge Article ID 1349320.1.

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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.
<i>italic</i>	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.

Abbreviations

This documentation includes the following terms:

Term	Definition
ABCS	Application Business Connector Services A requestor ABCS accepts the request from the client application through a client-specific Application Business Message (ABM) and returns the response to the client application through a client-specific ABM. The client side ABM is the payload that is passed by the requestor application to the requestor ABCS.
AIA	Oracle Application Integration Architecture
AP	Accounts Payable
API	Application Programming Interface
AST	Application Specific Technology
BPEL	Business Process Execution Language
DVM	Domain Value Map
EBM	Enterprise Business Messages - Packets of data which the Mediator or JCA adapter accepts from requesters and routes to providers. They carry the pieces of data needed for the requests to be understood and serviced.
EBO/EBF	Enterprise Business Object

Term	Definition
EBS	Enterprise Business Service
Edge application	The applications that are involved in the two-way integration processes - Oracle Utilities Work and Asset Management and other Enterprise Resource Planning applications.
ERP	Enterprise Resource Planning
ESC	Enterprise Resource Planning system Supply Chain business model
ESS	Oracle Enterprise Scheduler Service
GL	General Ledger
JMS	Java Message Service - The JMS producers are responsible for posting the message to the Consumer JMS Queue for the corresponding target application.
JMS Adapter Consumer	JMS adapter used in the SOA composite to read message from a queue is referred to as a Consumer. The adapter has Consumer as a part of the name. For example, SyncWorkerOUWAMUtilitiesJMSConsumer.
JMS Adapter Producer	The JMS adapter used in the SOA composite to write a message to a queue is referred to as a Producer. The adapter has Producer as a part of the name. For example, SyncWorkerERPJMSProducer.
MDS	Metadata Store
Participating Application	One of the two applications involved in the two-way integration processes- Oracle Utilities Work and Asset Management, Enterprise Resource Planning system.
PIP	Process Integration Pack
Provider Processes	All the integration processes, which are invoked by the reading message from the queue are referred to as Provider Processes. These processes transform the request message from the queue to the edge application format and execute the inbound service on the edge application with a message. These processes have ProvABCImpl as a part of the name. For example, SyncWorkerOUWAMUtilitiesProvABCImpl.
Requestor Processes	All the integration processes, which are invoked by the edge application initiating the request are referred to as Requestor Processes. These processes put the request message with or without transformation in the queue. These processes have ReqABCImpl as a part of the name. For example, SyncWorkerERPReqABCImpl.
SOA	Service-Oriented Architecture – Software modules that are provided as services can be integrated or used by several applications using SOA, even if their respective architectures are substantially different. Rather than defining an API, SOA defines the interface in terms of protocols and functionality.
SOAP	Simple Object Access Protocol. It is a protocol specification for exchanging structured information in the implementation of Web Services in computer networks.
WAM or OUWAM	Oracle Utilities Work and Asset Management
WSC	Oracle Utilities Work and Asset Management Supply Chain business model

Term	Definition
XAI	XML Application Integration. An Oracle Utilities Framework utility used to configure the system transfer information between Oracle Utilities Work and Asset Management and external applications using XML. XAI exposes system business objects as a set of XML based web services. The service can be invoked using different methods, for example, Hypertext Transfer Protocol (HTTP) or Java Message Service (JMS). Consequently, any application or tool that can send and receive XML documents can access the rich set of system business objects.
XSD	A schema definition file.
XSL	Extensible Style Language

Chapter 1

Overview

This section provides information on prerequisites for installation of the Oracle Utilities Work and Asset Management Connector for Enterprise Resource Planning.

Integration Pack Software Requirements

Before installing the integration package, verify that the following applications are properly installed and configured.

Participating Applications

The participating applications are:

- Oracle Utilities Work and Asset Management v2.1.1 + latest patches applied
Installed on an Oracle database.
- Enterprise Resource Planning Application

Oracle SOA / WebLogic Server

The server requirements include:

- WebLogic Server 12.2.1 with Oracle Enterprise Manager 12c
- Oracle SOA Suite 12.2.1.0.0
- Oracle Database 12.1.0.1+; 11.2.0.4+

Oracle attempts to support binary and source-level compatibility between WebLogic Server 12c (12.2.1) and versions 10.3, 10.3.x, 12.1.1, 12.1.2, and 12.1.3 in the areas of persistent data, generated classes, and API compatibility. In some cases, it is impossible to avoid incompatibilities. Where incompatibilities arise, they are fully documented in the [Upgrading Oracle WebLogic Server](#) guide.

Note: Refer to the Oracle Utilities product Certification Matrix (referenced in the [Documentation and Resources](#) section) for the most up to date supported edge application versions.

Chapter 2

Installation

This section describes the settings and requirements for a successful installation of the Oracle Utilities Work and Asset Management Connector for Enterprise Resource Planning including:

- [Pre-Installation Tasks](#)
- [Installation Steps](#)
- [Verify Generated Artifacts](#)
- [Configure the Certificates of the Mail Server](#)
- [Configure the Edge Applications](#)
- [Security Policies](#)

Pre-Installation Tasks

The following tasks should be completed before you install the integration:

1. Verify that Oracle SOA Suite is installed and running.
For more information, refer to the documentation at <http://www.oracle.com/technetwork/middleware/soasuite/documentation/index.html>.
2. Login to the **WebLogic** console to confirm there are no changes in **Pending Activation** status.
3. Verify That the **usermessagingdriver-email** application is in **Active** state.
If the application is in **Installed** state, then the application is not targeted to any managed server.
 - a. Click **Deployments**.
The summary of deployment opens.
 - b. Click the **usermessagingdriver-email** link.
 - c. Click on the **Targets** tab.
 - d. Select the **usermessagingdriver-email** checkbox and click the **Change Targets** button.
 - e. For standalone environments, select the **soa_server1** option.
If it is the **Clustered** environment, select the cluster or all the clusters you wish to target to as **soa_Cluster1**. Now, Click **Yes** button.
 - f. Click on **Activate Changes** button.

4. Verify that the WebLogic Admin Server and the Standalone Managed Servers or Clusters are in the **Running** status with their **Health** in **OK** state.

Note: The syntax for `PRODUCT_HOME` changes depending on whether you are installing on Linux or Windows. The following sections refer to this as `$PRODUCT_HOME/` in Linux and as `%PRODUCT_HOME%\` in Windows. In general, note that the forward slash (/) is used as the path separator on Linux and the back slash (\) is used on Windows.

Excusing any inadvertent syntax errors in this guide, these conventions should be followed for all commands depending on your operating system.

Also, as installation commands and arguments are lengthy, please copy the installation commands in a text file and verify that the command is formatted correctly without any syntax or formatting errors.

Installation Steps

Complete the following installation steps:

1. Download the **installation zip** file from Oracle Software Delivery Cloud (<https://edelivery.oracle.com>).

Note: For specific instructions about installing this integration on non-Windows/ Linux platforms, see Oracle Support Knowledge Article ID 1349320.1 (The process described refers specifically to the CCB-MDM integration, however it applies any integration being installed on alternate platforms).

2. Extract the zip file to get the installation folder.
This folder includes subfolders such as bin, config, Install, MDS-Artifacts, and services.
3. Download and apply patch 23295348.
 - a. Refer to the **Readme.txt** file and **PatchInstallInstructions.txt** files included with the patch for more information and installation instructions. The following sub-steps provide more information related to the steps included in the Readme file.

Note: As indicated in the Readme.txt file, you must define or populate the values in the Install Properties xml file prior to installing the integration. Refer to Step 1 in the **PatchInstallInstructions.txt** file included in the patch download.

Refer to the [Installation Properties](#) chapter for information about individual properties.

- b. Verify the environment variables for Linux and Windows OS:

Variable	Example
Linux and Windows OS	
PATCH_HOME	XXX/23295348
MW_HOME	XXX/Middleware

SOA_HOME	XXX/Middleware/soa
ORACLE_HOME	XXX/Middleware/soa
PRODUCT_HOME	The product installation folder. Example: PRODUCT_HOME=/scratch/PRODUCT_HOMES/ WAM_ERP

The commands indicated in the readme file (setWLSEnv.sh on Linux and setWLSEnv.bat on Windows) set the environment variables used for executing the installation scripts.

Below is an example to set up environment variables in a typical installation:

Linux

```
export MW_HOME=/Oracle/Middleware/soa
export SOA_HOME=$MW_HOME/soa
export PRODUCT_HOME=/Product_Homes/WAM_ERP
source $MW_HOME/wlserver/server/bin/setWLSEnv.sh
```

Windows

```
SET MW_HOME=C:\Oracle\Middleware\soa
SET SOA_HOME=%MW_HOME%\soa
SET PRODUCT_HOME=C:\Product_Homes\WAM_ERP
cd %MW_HOME%\wlserver\server\bin/
setWLSEnv.cmd
```

Also note the following:

- PRODUCT_HOME/install/util/ant folder contains all the ant build scripts.
- PRODUCT_HOME/bin/InstallBuild.xml is used to install WAM_ERP integration code.
- PRODUCT_HOME/bin/UnInstallBuild.xml is used to uninstall WAM_ERP integration code.
- PRODUCT_HOME/bin/DeployUndeployUtility.xml is used to deploy/undeploy individual composite/ MDS folder and then restart the managed server.

Note: The installation process may take several minutes to complete.

4. Install the Integration.

Follow the guidelines in step 4 in the **PatchInstallInstructions.txt** file included in the patch download. This section provides additional detail to supplement those steps.

The install1DB commands perform the followings tasks:

- Create the Error Handling user for the integration.
- Create the Error Handling tables and Error Lookup tables.
- Insert the seed data that is used for Error Handling scenarios that occur during the BPEL flow instances.

The `installWL` commands perform the following tasks:

- Create the JDBC DataSource for the ErrorHandler Module.
- Create an outbound connection pool instance for the database by updating the `DBAdapter_WAM_ERP.rar` file.
- Create JMS server/JMS module/JMS connection pool/JMS persistence store/JMS queues and assigns the error queues to the interface queues.
- Create JMS outbound connections to both Oracle Utilities Work and Asset Management and Enterprise Resource Planning by updating the `JMSAdapter_WAM_ERP.rar` file.
- Create the `csf` key for the integration.

The `installSOA` commands perform the following tasks:

- Update the MDS repository with all artifacts.
- Create the application partition where the composites are deployed. For example: `WAM_ERP`.
- Compile and deploy all composites.

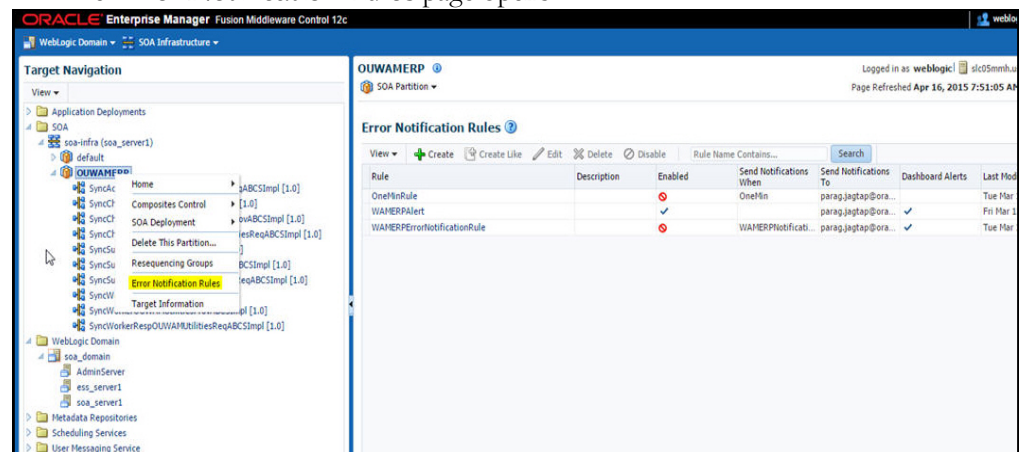
Configure Error Notification Rules (Optional)

The integration uses the Oracle Utilities common integration error handling framework, however if you want to use the SOA Suite 12c error hospital feature, you can implement it using the following guidelines.

Error notification rule(s) can be created on the `OUWAMERP` partition using the ESS schedule to get the frequency of the error notification rule execution. To create error notification rules at the partition level, perform the following steps:

1. Right-click on the **OUWAMERP** partition.
2. Select **Error Notification Rules**.

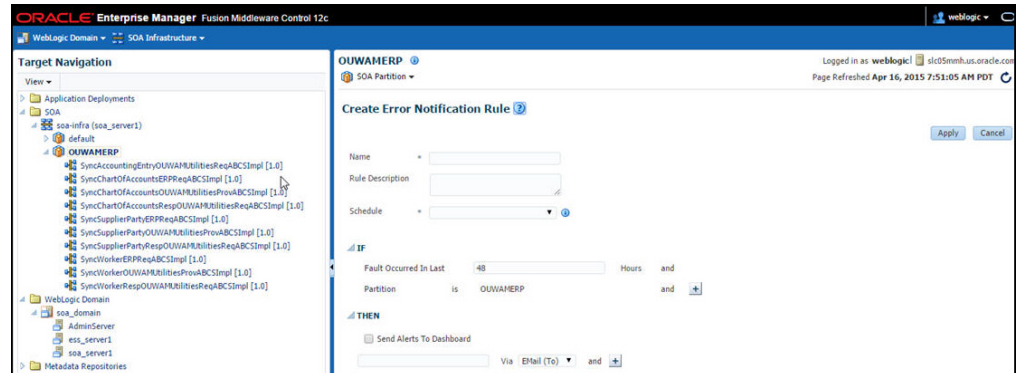
The **Error Notification Rules** page opens.



3. Click **Create** to create a new rule and enter the following information:

- Name
- Description

- Schedule Name (Select the schedule created through the scripts OuwamerpNotificationSchedule)
- Use the IF-THEN table to define the fault notification rule, and click **Apply**. This table can be used to set the Fault conditions and also the email notification address for the administrator.



For more information about error hospital and error notifications, see the section “Recovering From Faults in the Error Hospital” in Oracle® Fusion Middleware Administering Oracle SOA Suite and Oracle Business Process Management Suite documentation.

Verify Generated Artifacts

As a result of the installation, the following artifacts are created on the weblogic server instance.

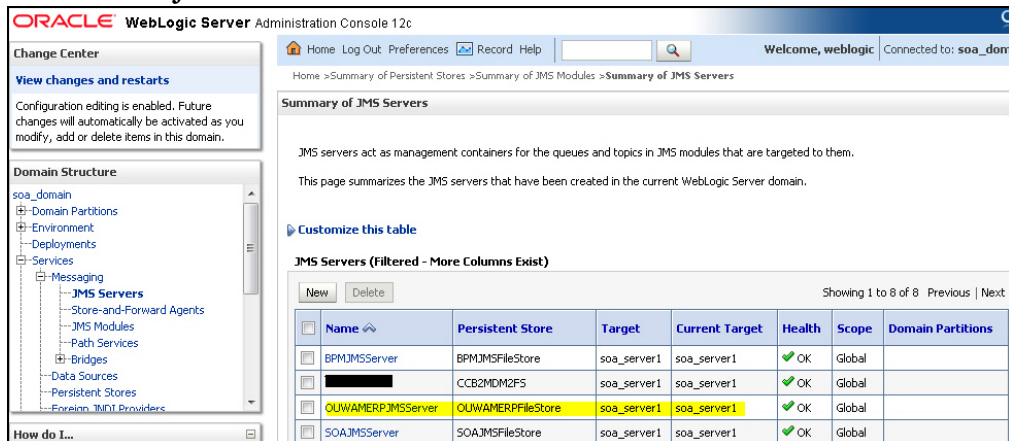
After completing the installation steps, complete the verification tasks to finalize the installation.

- JMS Server
- File Store
- JMS Module
- Sub Deployment
- JMS Adapter Outbound Connection Pool
- JMS Connection Factory
- Credential Map
- User Messaging Email Driver
- ESSAPP Schedules (Optional)
- SOA Partition

JMS Server

Verify OUWAMERPJMSServer

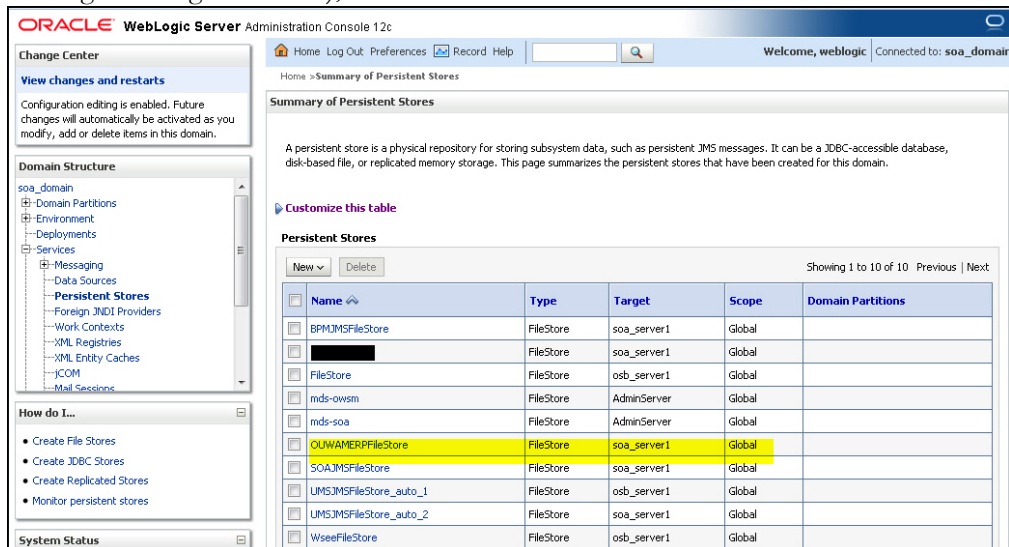
In the **Administration** console, under the **Domain Structure**, expand the **Services** (by clicking the + sign next to it), expand the **Messaging** (by clicking the + sign next to it), and then click **JMS Servers**.



File Store

Verify OUWAMERPFileStore

In the **Administration** console, under the **Domain Structure**, expand the **Services** (by clicking the + sign next to it), and then click **Persistent Store**.



JMS Module

Verify OUWAMERPJMSModule

In the **Administration** console, under the **Domain Structure**, expand the **Services** (by clicking the + sign next to it), expand the **Messaging** (by clicking the + sign next to it), and then click **JMS Modules**.

The screenshot shows the Oracle WebLogic Server Administration Console. The left sidebar displays the Domain Structure tree with 'JMS Modules' selected under 'Messaging'. The main content area shows the 'Summary of JMS Modules' page. A table lists the configured JMS modules, with 'OUWAMERPJMSModule' highlighted in yellow.

Name	Type	Scope	Domain Partitions
BPMJMSModule	JMSSystemResource	Global	
[REDACTED]	JMSSystemResource	Global	
jmsResources	JMSSystemResource	Global	
OSBAQJMServer	JMSSystemResource	Global	
OUWAMERPJMSModule	JMSSystemResource	Global	
SOAJMSModule	JMSSystemResource	Global	
UMSAQJMSSystemResource	JMSSystemResource	Global	
UMSJMSSystemResource	JMSSystemResource	Global	
WseeJmsModule	JMSSystemResource	Global	

Sub Deployment

Verify OUWAMERPSubDeployment

In the **Administration** console, under the **Domain Structure**, expand the **Services** (by clicking the + sign next to it), expand the **Messaging** (by clicking the + sign next to it), and then click **JMS Modules**. Select the **OUWAMERPJMSModule** and click on the **Subdeployments** tab.

The screenshot shows the 'Settings for OUWAMERPJMSModule' page, specifically the 'Subdeployments' tab. It displays a table of subdeployments for the JMS module. The 'OUWAMERPSubDeployment' is selected, and its associated resources and targets are listed.

Name	Resources	Targets
OUWAMERPSubDeployment	OUWAMERPWorkerRequest, OUWAMERPWorkerRequestError, OUWAMERPWorkerResponse, OUWAMERPWorkerResponseError, OUWAMERPSupplierPartyFromERPRequest, OUWAMERPSupplierPartyFromERPRequestError, OUWAMERPSupplierPartyFromERPResponse, OUWAMERPSupplierPartyFromERPResponseError, OUWAMERPSupplierPartyFromWAMRequest, OUWAMERPSupplierPartyFromWAMRequestError, OUWAMERPSupplierPartyFromWAMResponse, OUWAMERPSupplierPartyFromWAMResponseError, OUWAMERPChartOfAccountsRequest, OUWAMERPChartOfAccountsRequestError, OUWAMERPChartOfAccountsResponse, OUWAMERPChartOfAccountsResponseError, OUWAMERPAccountingEntryFromWAMRequest, OUWAMERPAccountingEntryFromWAMRequestError, OUWAMERPAccountingEntryFromWAMResponse, OUWAMERPAccountingEntryFromWAMResponseError, OUWAMERPStoreItemRequest, OUWAMERPStoreItemRequestError, OUWAMERPStoreItemResponse, OUWAMERPStoreItemResponseError, OUWAMERPStockItemRequest, OUWAMERPStockItemRequestError, OUWAMERPStockItemResponse, OUWAMERPStockItemResponseError, OUWAMERPRequisitionRequest, OUWAMERPRequisitionRequestError, OUWAMERPRequisitionResponse, OUWAMERPRequisitionResponseError, OUWAMERPPurchaseOrderRequest, OUWAMERPPurchaseOrderRequestError, OUWAMERPPurchaseOrderResponse, OUWAMERPPurchaseOrderResponseError, OUWAMERPBlanketPurchaseAgreementRequest, OUWAMERPBlanketPurchaseAgreementRequestError, OUWAMERPBlanketPurchaseAgreementResponse, OUWAMERPBlanketPurchaseAgreementResponseError, OUWAMERPAccountingEntryFromERPRequest, OUWAMERPAccountingEntryFromERPRequestError, OUWAMERPAccountingEntryFromERPResponse, OUWAMERPAccountingEntryFromERPResponseError, OUWAMERPItemBalanceRequest, OUWAMERPItemBalanceRequestError, OUWAMERPItemBalanceResponse, OUWAMERPItemBalanceResponseError, OUWAMERPDisbursementPaymentRequest, OUWAMERPDisbursementPaymentRequestError, OUWAMERPDisbursementPaymentResponse, OUWAMERPDisbursementPaymentResponseError, OUWAMERPInvoiceFromERPRequest, OUWAMERPInvoiceFromERPRequestError, OUWAMERPInvoiceFromERPResponse, OUWAMERPInvoiceFromERPResponseError, OUWAMERPMaterialInventoryTxnRequest, OUWAMERPMaterialInventoryTxnRequestError, OUWAMERPMaterialInventoryTxnResponse, OUWAMERPMaterialInventoryTxnResponseError, OUWAMERPShipmentReceiptRequest, OUWAMERPShipmentReceiptRequestError, OUWAMERPShipmentReceiptResponse, OUWAMERPShipmentReceiptResponseError, OUWAMERPReturnInventoryTxnRequest, OUWAMERPReturnInventoryTxnRequestError, OUWAMERPReturnInventoryTxnResponse, OUWAMERPReturnInventoryTxnResponseError, OUWAMERPMaterialRequisitionRequest, OUWAMERPMaterialRequisitionRequestError, OUWAMERPMaterialRequisitionResponse, OUWAMERPMaterialRequisitionResponseError, OUWAMERPMaterialReturnInventoryTxnRequest, OUWAMERPMaterialReturnInventoryTxnRequestError, OUWAMERPMaterialReturnInventoryTxnResponse, OUWAMERPMaterialReturnInventoryTxnResponseError, OUWAMERPConnectionFactory	OUWAMERPJMSServer

JMS Adapter Outbound Connection Pool

Verify eis/wls/OUWAMERPQueue

In the **Administration** console, under the **Domain Structure**, expand the **Deployments** (by clicking the + sign next to it) and find the .rar file name with **JmsAdapter_OUWAMERP**. Click on it and click on the **Configuration** tab and in that, click on the **Outbound Connection Pools** tab.

Expand “oracle.tip.adapter.jms.IJmsConnectionFactory”. It should be deployed with “eis/wls/OUWAMERPQueue”.

ORACLE WebLogic Server Administration Console 12c

Home > Summary of Persistent Stores > Summary of JMS Modules > Summary of JMS Servers > Summary of JMS Modules > OUWAMERPJMSModule > Summary of Deployments > JmsAdapter_OUWAMERP > Summary of Deployments > JmsAdapter_OUWAMERP

Settings for oracle.tip.adapter.jms.IJmsConnectionFactory

Overview | Deployment Plan | **Configuration** | Security | Targets | Control | Testing | Monitoring | Notes

General | Properties | **Outbound Connection Pools** | Admin Objects | Workload | Instrumentation

This page displays a table of outbound connection pool groups and instances for this resource adapter. The top level entries in the table represent outbound connection pool groups. Groups are listed by connection factory interface and the instances are listed by their JNDI names. Expand a group to obtain configuration information for a connection pool instance within an outbound connection pool group. Click the name of a group or instance to configure it. Automatically generated connection pools are not displayed in the table below.

Outbound Connection Pool Configuration Table

New Delete Showing 1 to 1 of 1 Previous | Next

Groups and Instances	Connection Factory Interface
oracle.tip.adapter.jms.IJmsConnectionFactory	oracle.tip.adapter.jms.IJmsConnectionFactory
eis/wls/OUWAMERPQueue	oracle.tip.adapter.jms.IJmsConnectionFactory

New Delete Showing 1 to 1 of 1 Previous | Next

Home > Summary of Persistent Stores > Summary of JMS Modules > Summary of JMS Servers > Summary of JMS Modules > OUWAMERPJMSModule > Summary of Deployments > JmsAdapter_OUWAMERP > Summary of Deployments > JmsAdapter_OUWAMERP

Settings for oracle.tip.adapter.jms.IJmsConnectionFactory

General | **Properties** | Transaction | Authentication | Connection Pool | Logging

This page allows you to view and modify the configuration properties of this outbound connection pool. Properties you modify here are saved to a deployment plan.

Outbound Connection Properties

Save Showing 1 to 7 of 7 Previous | Next

Property Name	Property Type	Property Value	Supports Dynamic Updates
AcknowledgeMode	java.lang.String	AUTO_ACKNOWLEDGE	false
ConnectionFactoryLocation	java.lang.String	jms/OUWAMERPConnectionFactory	false
FactoryProperties	java.lang.String		false
IsTopic	java.lang.Boolean	false	false
IsTransacted	java.lang.Boolean	false	false
Password	java.lang.String		false
Username	java.lang.String		false

Save Showing 1 to 7 of 7 Previous | Next

JMS Connection Factory

Verify OUWAMERPConnectionFactory and JMS Queues List

In the **Administration** console, under the **Domain Structure**, expand the **Services** (by clicking the + sign next to it), and then expand the **Messaging** (by clicking the + sign next to it), and then click **JMS Modules**. Select the **OUWAMERPJMSModule**.

Settings for OUWAMERPJMSModule

Configuration | Subdeployments | Targets | Security | Notes

This page displays general information about a JMS system module and its resources. It also allows you to configure new resources and access existing resources.

Name: OUWAMERPJMSModule The name of this JMS system module. [More Info...](#)

Descriptor File Name: jms/ouwamerpjmsmodule-jms.xml The name of the JMS module descriptor file. [More Info...](#)

This page summarizes the JMS resources that have been created for this JMS system module, including queue and topic destinations, connection factories, JMS templates, destination sort keys, destination quota, distributed destinations, foreign servers, and store-and-forward parameters.

[Customize this table](#)

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<input type="checkbox"/>	Name	Type	JNDI Name	Subdeployment	Targets
<input type="checkbox"/>	OUWAMERPAccountingEntryFromERPRequest	Uniform Distributed Queue	.jms/OUWAMERPAccountingEntryFromERPRequest	OUWAMERPSubDeployment	OUWAMERPJMSServer
<input type="checkbox"/>	OUWAMERPAccountingEntryFromERPRequestError	Uniform Distributed Queue	.jms/OUWAMERPAccountingEntryFromERPRequestError	OUWAMERPSubDeployment	OUWAMERPJMSServer
<input type="checkbox"/>	OUWAMERPAccountingEntryFromERPResponse	Uniform Distributed Queue	.jms/OUWAMERPAccountingEntryFromERPResponse	OUWAMERPSubDeployment	OUWAMERPJMSServer
<input type="checkbox"/>	OUWAMERPAccountingEntryFromERPResponseError	Uniform Distributed Queue	.jms/OUWAMERPAccountingEntryFromERPResponseError	OUWAMERPSubDeployment	OUWAMERPJMSServer
<input type="checkbox"/>	OUWAMERPAccountingEntryFromWAMRequest	Uniform Distributed Queue	.jms/OUWAMERPAccountingEntryFromWAMRequest	OUWAMERPSubDeployment	OUWAMERPJMSServer
<input type="checkbox"/>	OUWAMERPAccountingEntryFromWAMRequestError	Uniform Distributed Queue	.jms/OUWAMERPAccountingEntryFromWAMRequestError	OUWAMERPSubDeployment	OUWAMERPJMSServer
<input type="checkbox"/>	OUWAMERPAccountingEntryFromWAMResponse	Uniform Distributed Queue	.jms/OUWAMERPAccountingEntryFromWAMResponse	OUWAMERPSubDeployment	OUWAMERPJMSServer
<input type="checkbox"/>	OUWAMERPAccountingEntryFromWAMResponseError	Uniform Distributed Queue	.jms/OUWAMERPAccountingEntryFromWAMResponseError	OUWAMERPSubDeployment	OUWAMERPJMSServer
<input type="checkbox"/>	OUWAMERPBlanketPurchaseAgreementRequest	Uniform Distributed Queue	.jms/OUWAMERPBlanketPurchaseAgreementRequest	OUWAMERPSubDeployment	OUWAMERPJMSServer
<input type="checkbox"/>	OUWAMERPBlanketPurchaseAgreementRequestError	Uniform Distributed Queue	.jms/OUWAMERPBlanketPurchaseAgreementRequestError	OUWAMERPSubDeployment	OUWAMERPJMSServer
<input type="checkbox"/>	OUWAMERPBlanketPurchaseAgreementResponse	Uniform Distributed Queue	.jms/OUWAMERPBlanketPurchaseAgreementResponse	OUWAMERPSubDeployment	OUWAMERPJMSServer
<input type="checkbox"/>	OUWAMERPBlanketPurchaseAgreementResponseError	Uniform Distributed Queue	.jms/OUWAMERPBlanketPurchaseAgreementResponseError	OUWAMERPSubDeployment	OUWAMERPJMSServer
<input type="checkbox"/>	OUWAMERPChartOfAccountsRequest	Uniform Distributed Queue	.jms/OUWAMERPChartOfAccountsRequest	OUWAMERPSubDeployment	OUWAMERPJMSServer
<input type="checkbox"/>	OUWAMERPChartOfAccountsRequestError	Uniform Distributed Queue	.jms/OUWAMERPChartOfAccountsRequestError	OUWAMERPSubDeployment	OUWAMERPJMSServer
<input type="checkbox"/>	OUWAMERPChartOfAccountsResponse	Uniform Distributed Queue	.jms/OUWAMERPChartOfAccountsResponse	OUWAMERPSubDeployment	OUWAMERPJMSServer
<input type="checkbox"/>	OUWAMERPChartOfAccountsResponseError	Uniform Distributed Queue	.jms/OUWAMERPChartOfAccountsResponseError	OUWAMERPSubDeployment	OUWAMERPJMSServer
<input type="checkbox"/>	OUWAMERPConnectionFactory	Connection Factory	.jms/OUWAMERPConnectionFactory	OUWAMERPSubDeployment	OUWAMERPJMSServer
<input type="checkbox"/>	OUWAMERPDisbursementPaymentRequest	Uniform Distributed Queue	.jms/OUWAMERPDisbursementPaymentRequest	OUWAMERPSubDeployment	OUWAMERPJMSServer
<input type="checkbox"/>	OUWAMERPDisbursementPaymentRequestError	Uniform Distributed Queue	.jms/OUWAMERPDisbursementPaymentRequestError	OUWAMERPSubDeployment	OUWAMERPJMSServer
<input type="checkbox"/>	OUWAMERPDisbursementPaymentResponse	Uniform Distributed Queue	.jms/OUWAMERPDisbursementPaymentResponse	OUWAMERPSubDeployment	OUWAMERPJMSServer
<input type="checkbox"/>	OUWAMERPDisbursementPaymentResponseError	Uniform Distributed Queue	.jms/OUWAMERPDisbursementPaymentResponseError	OUWAMERPSubDeployment	OUWAMERPJMSServer
<input type="checkbox"/>	OUWAMERPInvoiceFromERPRequest	Uniform Distributed Queue	.jms/OUWAMERPInvoiceFromERPRequest	OUWAMERPSubDeployment	OUWAMERPJMSServer
<input type="checkbox"/>	OUWAMERPInvoiceFromERPRequestError	Uniform Distributed Queue	.jms/OUWAMERPInvoiceFromERPRequestError	OUWAMERPSubDeployment	OUWAMERPJMSServer
<input type="checkbox"/>	OUWAMERPInvoiceFromERPResponse	Uniform Distributed Queue	.jms/OUWAMERPInvoiceFromERPResponse	OUWAMERPSubDeployment	OUWAMERPJMSServer
<input type="checkbox"/>	OUWAMERPInvoiceFromERPResponseError	Uniform Distributed Queue	.jms/OUWAMERPInvoiceFromERPResponseError	OUWAMERPSubDeployment	OUWAMERPJMSServer

Name	Type	JNDI Name	Subdeployment	Targets
OUWAMERPItemBalanceRequest	Uniform Distributed Queue	jms/OUWAMERPItemBalanceRequest	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPItemBalanceRequestError	Uniform Distributed Queue	jms/OUWAMERPItemBalanceRequestError	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPItemBalanceResponse	Uniform Distributed Queue	jms/OUWAMERPItemBalanceResponse	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPItemBalanceResponseError	Uniform Distributed Queue	jms/OUWAMERPItemBalanceResponseError	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPMaterialRequisitionRequest	Uniform Distributed Queue	jms/OUWAMERPMaterialRequisitionRequest	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPMaterialRequisitionRequestError	Uniform Distributed Queue	jms/OUWAMERPMaterialRequisitionRequestError	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPMaterialRequisitionResponse	Uniform Distributed Queue	jms/OUWAMERPMaterialRequisitionResponse	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPMaterialRequisitionResponseError	Uniform Distributed Queue	jms/OUWAMERPMaterialRequisitionResponseError	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPMatIssueInventoryTxnRequest	Uniform Distributed Queue	jms/OUWAMERPMatIssueInventoryTxnRequest	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPMatIssueInventoryTxnRequestError	Uniform Distributed Queue	jms/OUWAMERPMatIssueInventoryTxnRequestError	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPMatIssueInventoryTxnResponse	Uniform Distributed Queue	jms/OUWAMERPMatIssueInventoryTxnResponse	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPMatIssueInventoryTxnResponseError	Uniform Distributed Queue	jms/OUWAMERPMatIssueInventoryTxnResponseError	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPMatReturnInventoryTxnRequest	Uniform Distributed Queue	jms/OUWAMERPMatReturnInventoryTxnRequest	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPMatReturnInventoryTxnRequestError	Uniform Distributed Queue	jms/OUWAMERPMatReturnInventoryTxnRequestError	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPMatReturnInventoryTxnResponse	Uniform Distributed Queue	jms/OUWAMERPMatReturnInventoryTxnResponse	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPMatReturnInventoryTxnResponseError	Uniform Distributed Queue	jms/OUWAMERPMatReturnInventoryTxnResponseError	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPPurchaseOrderRequest	Uniform Distributed Queue	jms/OUWAMERPPurchaseOrderRequest	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPPurchaseOrderRequestError	Uniform Distributed Queue	jms/OUWAMERPPurchaseOrderRequestError	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPPurchaseOrderResponse	Uniform Distributed Queue	jms/OUWAMERPPurchaseOrderResponse	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPPurchaseOrderResponseError	Uniform Distributed Queue	jms/OUWAMERPPurchaseOrderResponseError	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPPurReturnInventoryTxnRequest	Uniform Distributed Queue	jms/OUWAMERPPurReturnInventoryTxnRequest	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPPurReturnInventoryTxnRequestError	Uniform Distributed Queue	jms/OUWAMERPPurReturnInventoryTxnRequestError	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPPurReturnInventoryTxnResponse	Uniform Distributed Queue	jms/OUWAMERPPurReturnInventoryTxnResponse	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPPurReturnInventoryTxnResponseError	Uniform Distributed Queue	jms/OUWAMERPPurReturnInventoryTxnResponseError	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPRequisitionRequest	Uniform Distributed Queue	jms/OUWAMERPRequisitionRequest	OUWAMERPSubDeployment	OUWAMERPJMSServer

Name	Type	JNDI Name	Subdeployment	Targets
OUWAMERPRequisitionRequestError	Uniform Distributed Queue	jms/OUWAMERPRequisitionRequestError	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPRequisitionResponse	Uniform Distributed Queue	jms/OUWAMERPRequisitionResponse	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPRequisitionResponseError	Uniform Distributed Queue	jms/OUWAMERPRequisitionResponseError	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPShipmentReceiptRequest	Uniform Distributed Queue	jms/OUWAMERPShipmentReceiptRequest	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPShipmentReceiptRequestError	Uniform Distributed Queue	jms/OUWAMERPShipmentReceiptRequestError	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPShipmentReceiptResponse	Uniform Distributed Queue	jms/OUWAMERPShipmentReceiptResponse	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPShipmentReceiptResponseError	Uniform Distributed Queue	jms/OUWAMERPShipmentReceiptResponseError	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPstockItemRequest	Uniform Distributed Queue	jms/OUWAMERPstockItemRequest	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPstockItemRequestError	Uniform Distributed Queue	jms/OUWAMERPstockItemRequestError	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPstockItemResponse	Uniform Distributed Queue	jms/OUWAMERPstockItemResponse	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPstockItemResponseError	Uniform Distributed Queue	jms/OUWAMERPstockItemResponseError	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPstoreroomItemRequest	Uniform Distributed Queue	jms/OUWAMERPstoreroomItemRequest	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPstoreroomItemRequestError	Uniform Distributed Queue	jms/OUWAMERPstoreroomItemRequestError	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPstoreroomItemResponse	Uniform Distributed Queue	jms/OUWAMERPstoreroomItemResponse	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPstoreroomItemResponseError	Uniform Distributed Queue	jms/OUWAMERPstoreroomItemResponseError	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPSupplierPartyFromERPRequest	Uniform Distributed Queue	jms/OUWAMERPSupplierPartyFromERPRequest	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPSupplierPartyFromERPRequestError	Uniform Distributed Queue	jms/OUWAMERPSupplierPartyFromERPRequestError	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPSupplierPartyFromERPResponse	Uniform Distributed Queue	jms/OUWAMERPSupplierPartyFromERPResponse	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPSupplierPartyFromERPResponseError	Uniform Distributed Queue	jms/OUWAMERPSupplierPartyFromERPResponseError	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPSupplierPartyFromWAMRequest	Uniform Distributed Queue	jms/OUWAMERPSupplierPartyFromWAMRequest	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPSupplierPartyFromWAMRequestError	Uniform Distributed Queue	jms/OUWAMERPSupplierPartyFromWAMRequestError	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPSupplierPartyFromWAMResponse	Uniform Distributed Queue	jms/OUWAMERPSupplierPartyFromWAMResponse	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPSupplierPartyFromWAMResponseError	Uniform Distributed Queue	jms/OUWAMERPSupplierPartyFromWAMResponseError	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPWorkerRequest	Uniform Distributed Queue	jms/OUWAMERPWorkerRequest	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPWorkerRequestError	Uniform Distributed Queue	jms/OUWAMERPWorkerRequestError	OUWAMERPSubDeployment	OUWAMERPJMSServer

Name	Type	JNDI Name	Subdeployment	Targets
OUWAMERPWorkerResponse	Uniform Distributed Queue	jms/OUWAMERPWorkerResponse	OUWAMERPSubDeployment	OUWAMERPJMSServer
OUWAMERPWorkerResponseError	Uniform Distributed Queue	jms/OUWAMERPWorkerResponseError	OUWAMERPSubDeployment	OUWAMERPJMSServer

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Request/Response Queues

Verify that all the listed queues along with the ConnectionFactory as depicted above are created as part of the installation:

Connection Factory: OUWAMERPConnectionFactory

Queues:

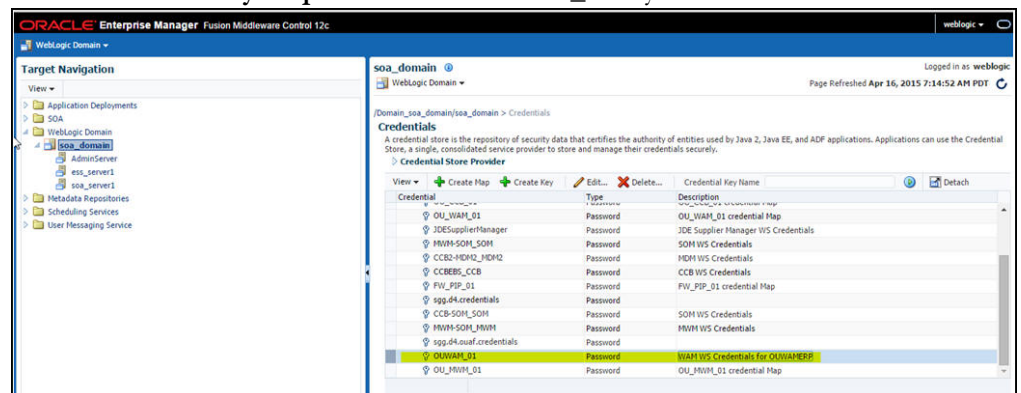
Module	Request/Response Queues	Corresponding Error Queues
ERP to WAM Accounting Entry	OUWAMERPAccountingEntryFromERPRequest OUWAMERPAccountingEntryFromERPResponse	OUWAMERPAccountingEntryFromERPRequestError OUWAMERPAccountingEntryFromERPResponseError
WAM to ERP Accounting Entry	OUWAMERPAccountingEntryFromWAMRequest OUWAMERPAccountingEntryFromWAMResponse	OUWAMERPAccountingEntryFromWAMRequestError OUWAMERPAccountingEntryFromWAMResponseError
ERP to WAM Blanket Purchase Agreement	OUWAMERPBlanketPurchaseAgreementRequest OUWAMERPBlanketPurchaseAgreementResponse	OUWAMERPBlanketPurchaseAgreementRequestError OUWAMERPBlanketPurchaseAgreementResponseError
ERP to WAM Chart of Accounts	OUWAMERPChartOfAccountsRequest OUWAMERPChartOfAccountsResponse	OUWAMERPChartOfAccountsRequestError OUWAMERPChartOfAccountsResponseError
ERP to WAM Disbursement Payment (Invoice Payment)	OUWAMERPDisbursementPaymentRequest OUWAMERPDisbursementPaymentResponse	OUWAMERPDisbursementPaymentRequestError OUWAMERPDisbursementPaymentResponseError
ERP to WAM Invoice	OUWAMERPInvoiceFromERPRequest OUWAMERPInvoiceFromERPResponse	OUWAMERPInvoiceFromERPRequestError OUWAMERPInvoiceFromERPResponseError
ERP to WAM Item Balance	OUWAMERPItemBalanceRequest OUWAMERPItemBalanceResponse	OUWAMERPItemBalanceRequestError OUWAMERPItemBalanceResponseError
WAM to ERP Material Requisition	OUWAMERPMaterialRequisitionRequest OUWAMERPMaterialRequisitionResponse	OUWAMERPMaterialRequisitionRequestError OUWAMERPMaterialRequisitionResponseError
ERP to WAM Material Issue	OUWAMERPMatIssueInventoryTxnRequest OUWAMERPMatIssueInventoryTxnResponse	OUWAMERPMatIssueInventoryTxnRequestError OUWAMERPMatIssueInventoryTxnResponseError
ERP to WAM Material Return	OUWAMERPMatReturnInventoryTxnRequest OUWAMERPMatReturnInventoryTxnResponse	OUWAMERPMatReturnInventoryTxnRequestError OUWAMERPMatReturnInventoryTxnResponseError
ERP to WAM Purchase Order	OUWAMERPPurchaseOrderRequest OUWAMERPPurchaseOrderResponse	OUWAMERPPurchaseOrderRequestError OUWAMERPPurchaseOrderResponseError
ERP to WAM Purchase Return	OUWAMERPPurReturnInventoryTxnRequest OUWAMERPPurReturnInventoryTxnResponse	OUWAMERPPurReturnInventoryTxnRequestError OUWAMERPPurReturnInventoryTxnResponseError
WAM to ERP Purchase Requisition	OUWAMERPRequisitionRequest OUWAMERPRequisitionResponse	OUWAMERPRequisitionRequestError OUWAMERPRequisitionResponseError

Module	Request/Response Queues	Corresponding Error Queues
ERP to WAM Receipt	OuwAMERPShipmenReceiptRequest OuwAMERPShipmenReceiptResponse	OuwAMERPShipmenReceiptRequestError OuwAMERPShipmenReceiptResponseError
ERP to WAM Stock Item	OuwAMERPStockItemRequest OuwAMERPStockItemResponse	OuwAMERPStockItemRequestError OuwAMERPStockItemResponseError
ERP to WAM Storeroom	OuwAMERPStoreroomItemRequest OuwAMERPStoreroomItemResponse	OuwAMERPStoreroomItemRequestError OuwAMERPStoreroomItemResponseError
ERP to WAM Supplier Party	OuwAMERPSupplierPartyFromERPRequest OuwAMERPSupplierPartyFromERPResponse	OuwAMERPSupplierPartyFromERPRequestError OuwAMERPSupplierPartyFromERPResponseError
WAM to ERP Supplier Party	OuwAMERPSupplierPartyFromWAMRequest OuwAMERPSupplierPartyFromWAMResponse	OuwAMERPSupplierPartyFromWAMRequestError OuwAMERPSupplierPartyFromWAMResponseError
ERP to WAM Worker	OuwAMERPWorkerRequest OuwAMERPWorkerResponse	OuwAMERPWorkerRequestError OuwAMERPWorkerResponseError

Credential Map

Verify OUWAM_01

In the **Enterprise Manager** console, open the **WebLogic Domain** and from that select the **soa_domain** and right-click to open **Security > Credentials** section and expand the **oracle.wsm.security** map to find the **OUWAM_01** key.

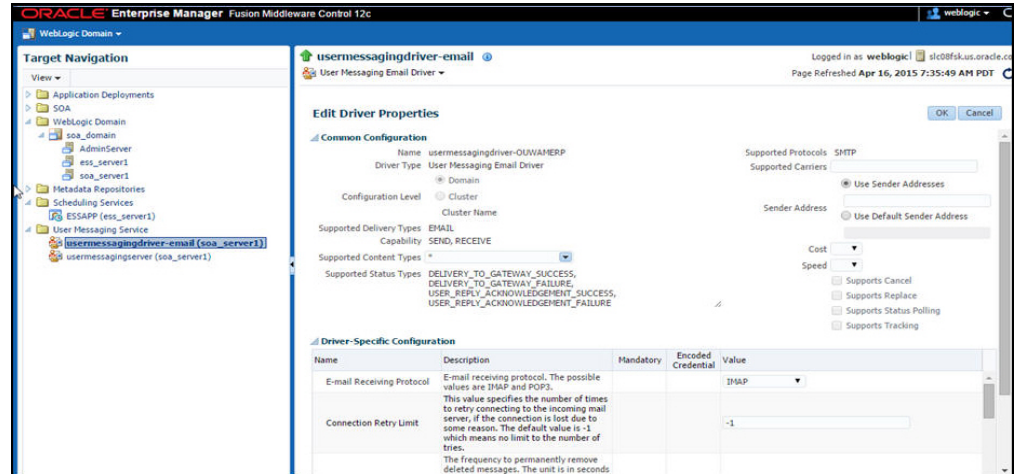


User Messaging Email Driver

Verify usermessagingdriver-OUWAMERP

In the **Enterprise Manager** console, expand the **User Messaging Service**. Right-click on the **usermessagingdriver-email**, and then select the **Email Driver Properties**

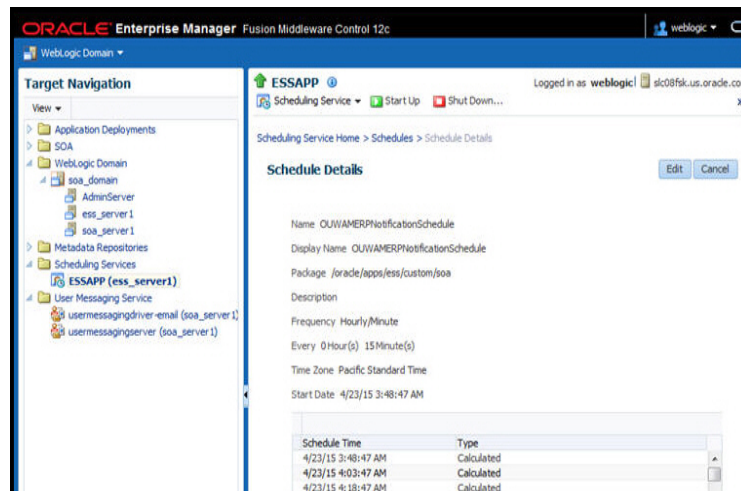
option. Now, select the **usermessagingdriver-OUWAMERP** and click the **Edit** button.



ESSAPP Schedules (Optional)

Verify **OUWAMERPNotificationSchedule**

In the **Enterprise Manager** console, expand the **Scheduling Services**. Right-click on the **ESSAPP**, select the **Job Requests** menu and click **Define Schedules**. Click the **OUWAMERPNotificationSchedule** schedule.



SOA Partition

Verify OUWAMERP and SOA Composites

In the **Enterprise Manager** console, expand the **SOA**. Click on the **soa-infra**, select the **OUWAMERP** partition and check that all the composites are deployed and in up and running state.

Composite	Status	Mode	Deployment Date
▼ SyncAccountingEntryERPReqABCSmpl [1.0]	⬆	Active	May
● SyncWorkerERPReqABCSmpl [1.0]	⬆	Active	May
● SyncPurchaseOrderERPReqABCSmpl [1.0]	⬆	Active	May
● SyncStoreItemOUWAMUtilitiesProvABCSmpl [1.0]	⬆	Active	May
● SyncInvoiceOUWAMUtilitiesProvABCSmpl [1.0]	⬆	Active	May
● SyncAccountingEntryERPReqABCSmpl [1.0]	⬆	Active	May
● SyncChartOfAccountsRespOUWAMUtilitiesReqABCSmpl [1.0]	⬆	Active	May
● ErrorProcessingDetail [1.0]	⬆	Active	May
● SyncStockItemERPReqABCSmpl [1.0]	⬆	Active	May
● SyncSupplierPartyOUWAMUtilitiesReqABCSmpl [1.0]	⬆	Active	May
● SyncWorkerOUWAMUtilitiesProvABCSmpl [1.0]	⬆	Active	May
● SyncInvoiceRespOUWAMUtilitiesProvABCSmpl [1.0]	⬆	Active	May
● SyncPurReturnInventoryTxnOUWAMUtilitiesProvABCSmpl [1.0]	⬆	Active	May
● SyncItemBalanceERPReqABCSmpl [1.0]	⬆	Active	May
● SyncItemBalanceOUWAMUtilitiesProvABCSmpl [1.0]	⬆	Active	May
● SyncShipmentReceiptOUWAMUtilitiesProvABCSmpl [1.0]	⬆	Active	May
● SyncInvoiceRespERPReqABCSmpl [1.0]	⬆	Active	May
● SyncShipmentReceiptERPReqABCSmpl [1.0]	⬆	Active	May
● SyncRequisitionRespOUWAMUtilitiesProvABCSmpl [1.0]	⬆	Active	May
● ErrorHandlingHumanIntervention [1.0]	⬆	Active	May
● SyncChartOfAccountsOUWAMUtilitiesProvABCSmpl [1.0]	⬆	Active	May
● ErrorHandling [1.0]	⬆	Active	May
● SyncItemBalanceRespOUWAMUtilitiesReqABCSmpl [1.0]	⬆	Active	May

Composites List

The following table provides a listing of the composites that must be deployed:

Module	Request Processes	Response Processes
ERP to WAM Accounting Entry	SyncAccountingEntryERPReqABCSmpl	SyncAccountingEntryRespOUWAMUtilitiesReqABCSmpl
	SyncAccountingEntryOUWAMUtilitiesProvABCSmpl	
WAM to ERP Accounting Entry	SyncAccountingEntryOUWAMUtilitiesReqABCSmpl	SyncAccountingEntryRespOUWAMUtilitiesProvABCSmpl
		SyncAccountingEntryRespERPReqABCSmpl

Module	Request Processes	Response Processes
ERP to WAM Blanket Purchase Agreement	SyncBlanketPurchaseAgreementERPReq ABCImpl	SyncBlanketPurchaseAgreementResp OUWAMUtilitiesReqABCImpl
	SyncBlanketPurchaseAgreementOUWAM UtilitiesProvABCImpl	
ERP to WAM Chart of Accounts	SyncChartOfAccountsERPReq ABCImpl	SyncChartOfAccountsRespOUWAMUtilities ReqABCImpl
	SyncChartOfAccountsOUWAMUtilitiesProv ABCImpl	
ERP to WAM Disbursement Payment (Invoice Payment)	SyncDisbursementPaymentERPReq ABCImpl	SyncDisbursementPaymentResp OUWAMUtilitiesReqABCImpl
	SyncDisbursementPaymentOUWAMUtilitiesP rov ABCImpl	
ERP to WAM Invoice	SyncInvoiceERPReq ABCImpl	SyncInvoiceRespOUWAMUtilitiesReq ABCImpl
	SyncInvoiceOUWAMUtilitiesProv ABCImpl	
ERP to WAM Item Balance	SyncItemBalanceERPReq ABCImpl	SyncItemBalanceRespOUWAMUtilitiesReq ABCImpl
	SyncItemBalanceOUWAMUtilitiesProv ABCImpl	
WAM to ERP Material Requisition	SyncMaterialRequisitionOUWAMUtilitiesReq ABCImpl	SyncMaterialRequisitionRespOUWAMUtilitie sProvABCImpl
		SyncMaterialRequisitionRespERPReq ABCImpl
ERP to WAM Material Issue	SyncMatIssueInventoryTxnERPReq ABCImpl	SyncMatIssueInventoryTxnResp OUWAMUtilitiesReqABCImpl
	SyncMatIssueInventoryTxnOUWAMUtilitiesP rov ABCImpl	
ERP to WAM Material Return	SyncMatReturnInventoryTxnERPReq ABCImpl	SyncMatReturnInventoryTxnResp OUWAMUtilitiesReqABCImpl
	SyncMatReturnInventoryTxnOUWAMUtilities Prov ABCImpl	
ERP to WAM Purchase Order	SyncPurchaseOrderERPReq ABCImpl	SyncPurchaseOrderRespOUWAMUtilitiesReq ABCImpl
	SyncPurchaseOrderOUWAMUtilitiesProv ABCImpl	

Module	Request Processes	Response Processes
ERP to WAM Purchase Return	SyncPurReturnInventoryTxnERPReq ABCImpl SyncPurReturnInventoryTxnOUWAMUtilitiesProv ABCImpl	SyncPurReturnInventoryTxnResp OUWAMUtilitiesReqABCImpl
WAM to ERP Purchase Requisition	SyncRequisitionOUWAMUtilitiesReq ABCImpl	SyncRequisitionRespOUWAMUtilitiesProv ABCImpl SyncRequisitionRespERPReq ABCImpl
ERP to WAM Receipt	SyncShipmentReceiptERPReq ABCImpl SyncShipmentReceiptOUWAMUtilitiesProv ABCImpl	SyncShipmentReceiptRespOUWAMUtilitiesReq ABCImpl
ERP to WAM Stock Item	SyncStockItemERPReq ABCImpl SyncStockItemOUWAMUtilitiesProv ABCImpl	SyncStockItemRespOUWAMUtilitiesReq ABCImpl
ERP to WAM Storeroom	SyncStoreroomItemERPReq ABCImpl SyncStoreroomItemOUWAMUtilitiesProv ABCImpl	SyncStoreroomItemRespOUWAMUtilitiesReq ABCImpl
ERP to WAM Supplier Party	SyncSupplierPartyERPReq ABCImpl SyncSupplierPartyOUWAMUtilitiesProv ABCImpl	SyncSupplierPartyRespOUWAMUtilitiesReq ABCImpl
WAM to ERP Supplier Party	SyncSupplierPartyOUWAMUtilitiesReq ABCImpl	SyncSupplierPartyRespERPReq ABCImpl SyncSupplierpartyRespOUWAMUtilitiesProv ABCImpl
ERP to WAM Worker	SyncWorkerERPReq ABCImpl SyncWorkerOUWAMUtilitiesProv ABCImpl	SyncWorkerRespOUWAMUtilitiesReq ABCImpl

Configure the Certificates of the Mail Server

To configure the certificates, perform the following steps:

1. Import the certificates from the Mail Server and add it to your server trust store.
Email Server uses two protocols to send/receive messages:
SMTP for sending.

POP3 or IMAP for receiving mails. Configure the receiving protocol accordingly.
For example, POP3/IMAP.

2. Get the <Mail Server> certificate:

```
/usr/bin/openssl s_client -connect <Mail Server>:<Mail Port Number>
> smtp.cert
```

Where <Mail Server> is the SMTP server location and <MailPort Number> is the Mail Server listening port.

Example:

```
/usr/bin/openssl s_client -connect stxxx.yourcompany.com:425
>smtp.cert
```

4. Edit the smtp.cert by removing everything except the following:

```
--BEGIN CERTIFICATE--
<certificate>
--END CERTIFICATE--
```

Important: The BEGIN CERTIFICATE and END CERTIFICATE lines must remain in the file.

5. Import the certificates into a new trust store:

```
keytool -import -alias <Mail Server> -keystore ${WL_HOME}/server/
lib/trusted-certificates.jks -file smtp.cert
```

Note: You will be prompted to enter a password. Enter <password>.

6. Edit the setDomainEnv.cmd or setDomainEnv.sh file (located in <WL_HOME>/user_projects/domains/<domain_name>/bin) by replacing the existing javax.net.ssl.trustStore property setting with the following:

```
Djavax.net.ssl.trustStore=${WL_HOME}/server/lib/trusted-
certificates.jks -Djavax.net.ssl.trustStorePassword=<password>
```

7. Restart the Admin Server and the Managed Server.

Configure the Edge Applications

Configure Oracle Utilities Work and Asset Management Integration and Enterprise Resource Planning system installation according to the guidelines in the Implementation Guide for this integration package.

Security Policies

When a composite needs to invoke an edge application web service, an appropriate security policy should be attached to the reference web service of the composite.

- Invoking edge application XAI Service

When calling an edge application XAI service, the security policy to attach to the reference web service of the composite is oracle/wss_http_token_client_policy.

- Invoking edge application Inbound Web Service (IWS)

When calling an edge application Inbound Web Service (IWS), the security policy to attach to the reference web service of the composite is dependent on the annotation specified in the IWS wsdl.

- If a security policy annotation is specified in the edge application's Inbound Web Service, use the policy specified.

Example 1: The policy defined in the IWS wsdl is UsernameToken, meaning that oracle/wss_username_token_client_policy should be attached to the composite's reference web service.

```
<wsp:UsingPolicy wssutil:Required="true"/>
- <ns0:Policy wssutil:Id="UsernameToken">
- <ns1:SupportingTokens>
- <ns0:Policy>
- <ns1:UsernameToken ns1:IncludeToken="http://docs.oasis-open.org/ws-sx/ws-securitypolicy/200512/IncludeToken/AlwaysToRecipient">
- <ns0:Policy>
- <ns1:WssUsernameToken10/>
- </ns0:Policy>
- </ns1:UsernameToken>
- </ns0:Policy>
- </ns1:SupportingTokens>
</ns0:Policy>
```

Example 2: The policy defined in the IWS wsdl is Https-BasicAuth.xml meaning that HTTP Basic Authentication over SSL Including Timestamp is required. The oracle/wss_http_token_over_ssl_client_policy should be attached to the composite's reference web service.

```
<wsp:UsingPolicy wssutil:Required="true"/>
- <ns0:Policy wssutil:Id="Wssp1.2-2007-Https-BasicAuth.xml">
- <ns1:TransportBinding>
- <ns0:Policy>
- <ns1:TransportToken>
```

- If no security policy annotation is specified in the edge application's Inbound Web Service and the edge application is using Framework 4.3.0.2.0, a default security policy oracle/wss_http_token_over_ssl_client_policy will be used by the edge application's Inbound Web Service. The default policy can be changed in the edge application's Feature Configuration Menu.

Refer to the specific edge application implementation guide for more information.

- If the edge application is using Framework 4.2.0, a security policy annotation has to be specified in the edge application's Inbound Web Service. In this version of framework, there is no default security policy specified. oracle/wss_http_token_client_policy has to be specified in the edge application's Inbound Web Service security policy annotation.

Chapter 3

Individual Composites

This section describes how to deploy/ undeploy individual composites for incremental builds or patches:

- [Deploy the Individual Composites](#)
- [Undeploy Composites](#)

3.1 Deploy the Individual Composites

Perform the following steps to deploy individual composites.

1. Open a Command prompt and execute the following:

Linux

```
cd $PRODUCT_HOME/bin
```

```
ant -f DeployUndeployUtility.xml -DInstallProperties=$PRODUCT_HOME/config/InstallProperties.xml DeployComposite
```

Windows

```
cd %PRODUCT_HOME%\bin
```

```
ant -f DeployUndeployUtility.xml -DInstallProperties=%PRODUCT_HOME%\config\InstallProperties.xml DeployComposite
```

2. Validate the following parameters when prompted with the default values during deployment. Press **ENTER** to use the default value:
 - a. **Composite Name:** The name of the composite to be deployed to the SOA server.
This parameter does not have a default value.
Enter the composite name to be deployed.
For example: SyncSupplierPartyERPReqABCImpl
 - b. **Composite Folder Location:** The folder name should be an absolute path, beginning with <PRODUCT_HOME>/services/industry/Utilities/<EBF/utility>.
For example: If you are planning to deploy the composite from <PRODUCT_HOME>/services/industry/Utilities/EBF, then pass

<PRODUCT_HOME>/services/industry/Utilities/EBF

to this property.

The default value for this property is <PRODUCT_HOME>/services/industry/Utilities/EBF, as most of the business-specific composites reside in this folder.

- c. **SOA Partition Name:** The SOA partition name to which the composite should be deployed.

3.2 Undeploy Composites

Perform the following steps to undeploy individual composites:

1. Open a Command prompt and execute the following:

Linux

```
cd $PRODUCT_HOME/bin
```

```
ant -f DeployUndeployUtility.xml -DInstallProperties=$PRODUCT_HOME/config/InstallProperties.xml UnDeployComposite
```

Windows

```
cd %PRODUCT_HOME%\bin
```

```
ant -f DeployUndeployUtility.xml -DInstallProperties=%PRODUCT_HOME%\config\InstallProperties.xml UnDeployComposite
```

2. Validate the following parameters when prompted with the default values during deployment. Press **ENTER** to use the default value:
 - a. **Composite Name:** The name of the composite to be undeployed from SOA server.
This parameter does not have a default value.
Enter the composite name to be un-deployed.
For example: SyncSupplierPartyERPReqABCImpl
 - b. **Composite Folder Location:** The folder name should be an absolute path, beginning with <PRODUCT_HOME>/services/industry/Utilities/<EBF/utility>.
For example: If you are planning to undeploy the composite from <PRODUCT_HOME>/services/industry/Utilities/EBF, then pass <PRODUCT_HOME>/services/industry/Utilities/EBF to this property.
The default value for this property is <PRODUCT_HOME>/services/industry/Utilities/EBF, as most of the business-specific composites reside in this folder.

SOA Partition Name: The SOA partition name from which the composite should be undeployed.

Chapter 4

Metadata Store (MDS) Artifacts

Individual Metadata Store (MDS) folders may need to be undeployed, deployed or updated for incremental builds or patches. This section describes the following:

- [Deploy the MDS Folder](#)
- [Undeploy the MDS Folder](#)

Deploy the MDS Folder

Perform the following steps to deploy MDS folder.

Open a command prompt and execute the following:

Linux

```
cd $PRODUCT_HOME/bin
ant -f DeployUndeployUtility.xml -DInstallProperties=$PRODUCT_HOME/
config/InstallProperties.xml DeployMDS
```

Windows

```
cd %PRODUCT_HOME%\bin
ant -f DeployUndeployUtility.xml -
DInstallProperties=%PRODUCT_HOME%\config\
InstallProperties.xml DeployMDS
```

Undeploy the MDS Folder

Perform the following steps to undeploy MDS folder.

Open a command prompt and execute the following:

Linux

```
cd $PRODUCT_HOME/bin
ant -f DeployUndeployUtility.xml -DInstallProperties=$PRODUCT_HOME/
config/InstallProperties.xml UnDeployMDS
```

Windows

```
cd %PRODUCT_HOME%\bin
ant -f DeployUndeployUtility.xml -
DInstallProperties=%PRODUCT_HOME%\config\
InstallProperties.xml UnDeployMDS
```

Update MDS

If there is any change in the endpoints of the participating applications, references of those endpoints in the integration have to be updated to point to the correct URIs. In order to make the changes, update the \$PRODUCT_HOME/config/InstallProperties.xml file with the correct edge application details and updateMDS.

1. Open a command prompt and execute the following commands to update MDS.

Linux

```
ant -f InstallBuild.xml updateMDS -
DInstallProperties=$PRODUCT_HOME/config/InstallProperties.xml |
tee $PRODUCT_HOME/bin/updatemds.log
```

Windows

```
ant -f InstallBuild.xml updateMDS -
DInstallProperties=%PRODUCT_HOME%/config/InstallProperties.xml -l
%PRODUCT_HOME%/bin/updatemds.log
```

This command performs the following tasks:

- Updates the edge application endpoint URIs in ConfigurationProperties.xml file
- Updates the edge application endpoint URIs in Application Object Library directory \$PRODUCT_HOME/MDS-Artifacts/OUCCB/AIAMetaData/AIAComponents/ApplicationObjectLibrary/<ApplicationFolder>
Example: WAM_ERP/MDS-Artifacts/WAM_ERP/AIAMetaData/AIAComponents/ApplicationObjectLibrary/OUCCB/V1/wsdl

2. Restart the managed server to see the changes take effect.

Chapter 5

Installation Properties

This section includes a listing of applicable installation properties.

Make sure that you follow XML editing standards while editing the InstallProperties.xml file. All XML elements need to be closed properly. The XML element in the InstallProperties.xml file does not contain any attribute.

Login to the WebLogic console to cross verify the values being entered for these properties. Also ensure that the values are relevant to the server where the integration product is to be installed. The build may fail due to inappropriate values.

Note: If the `dbuser.createflag` is set to `false`, the schema needed for integration error handling will not be automatically created by the install and will need to be created manually prior to running the installation. When creating the user manually, grant connect and resource to the user.

The table below lists the properties available in the InstallProperties.xml file along with their usage. The default values are specified wherever applicable.

Installation Properties

Property (XPath Representation)	Description	Example
WAM Information		
EdgeApplications/OUWAM/Protocol	The protocol on which the application is accessible.	http or https
EdgeApplications/OUWAM/Host	The host name of Oracle Utilities Work and Asset Management application.	xxx.us.mycompany.com
EdgeApplications/OUWAM/Port	The port number of Oracle Utilities Work and Asset Management application.	1961
EdgeApplications/OUWAM/ContextRoot	The context root of the application.	WAM_CONTEXT_ROOT_NAME <ul style="list-style-type: none">• ouaf/XAIApp/xaiserver (for XAI services)• ouaf/webservices (for IWS services)

Property (XPath Representation)	Description	Example
EdgeApplications/OUWAM/ ApplicationUsername	The login user name of the application.	
EdgeApplications/OUWAM/ ApplicationPassword	The login password of the application.	
EdgeApplications/OUWAM/mapname	The credential map name for Oracle Utilities Work and Asset Management application.	OUWAM_1
EdgeApplications/OUWAM/policy	The security policy that WAM accepts when invoking it's webservice.	Use oracle/wss_http_token_client_policy for XAI services or refer to the Security Policies section for more information when invoking IWS services.
ERP Information		
EdgeApplications/ERP/ ApplicationUsername	The user name for Enterprise Resource Planning application.	Uname1
EdgeApplications/ERP/ ApplicationPassword	The password for Enterprise Resource Planning application.	Pwd1
SOA Admin Server Information		
SOA/AdminServer/hostname	The Admin Server of the SOA application.	xxx.us.oracle.com
SOA/AdminServer/portnumber	The Admin Server of the SOA port number.	7001
SOA/AdminServer/servername	The server name of the Admin Server.	Admin Server
SOA/AdminServer/username	The user name for the Admin Server.	Weblogic
SOA/AdminServer/password	The password of the Admin Server.	xxxxxx
SOA/AdminServer/domainname	The domain name of the SOA Admin Server.	soa_domain
SOA Managed Server Information		
SOA/ManagedServer/hostname	The host name of the SOA Managed Server.	xxx.us.oracle.com
SOA/ManagedServer/portnumber	The port number of the SOA Managed Server.	8001
SOA/ManagedServer/servername	The name of the SOA Managed Server.	soa_server1
SOA/ManagedServer/username	The user name of the SOA Managed Server.	Weblogic
SOA/ManagedServer/password	The password of SOA Managed Server.	xxxx

Property (XPath Representation)	Description	Example
Oracle HTTP Server Information		
SOA/OHS/hostname	The host name of the Oracle HTTP Server.	xxx.us.mycompany.com
SOA/OHS/portnumber	The port number of the Oracle HTTP Server.	7777
SOA/OHS/servernames	The list of server names that are defined as Managed Servers/Clusters.	Soa_cluster (In case of Cluster),soa_server1 (If standalone same as the one provided in the managedserver)
MDS DB Information		
SOA/mdsconfig/mdsdbusername	The DB user name of the MDS configuration.	Xyxxx
SOA/mdsconfig/mdsdbuserpassword	The DB password of the MDS configuration.	****
SOA/mdsconfig/mdsdbhostname	The DB host name of the MDS configuration.	XYZ.us.oracle.com
SOA/mdsconfig/mdsdbportnumber	The DB port number MDS configuration.	1521
SOA/mdsconfig/mdsdbsid	The MDS RCU created SID.	ABCD
JMS Information		
SOA/JMS/serverName	The JMS server name.	OUWAMERPJMSServer
SOA/JMS/ModuleName	The JMS module name.	OUWAMERPJMModule
SOA/JMS/SubDeploymentName	The Subdeployment name.	OUWAMERPSubDeployment
SOA/JMS/JMSServerTarget	The SOA Managed Server Target for JMS server.	soa_server1
SOA/JMS/JMSModuleTargets	The JMS Module targeted SOA managed servers/Clusters.	soa_server1,soa_server2 (OR) soa_cluster1
SOA/JMS/PersistentStoreName	The file store persistence details.	OUWAMERPFileStore
SOA/JMS/PersistentStoreType		FileStores
SOA/JMS/PersistentStoreFilename	The location of the persistence file.	/scratch/Oracle/Product_Homes/OUWAMERP/OUWAMERPFileStore
SOA/JMS/JMSCFName	The file name of the ConnectionFactory.	OUWAMERPConnectionFactory
SOA/JMS/JMSCFJNDI	The JNDI file name of the ConnectionFactory.	jms/OUWAMERPConnectionFactory
Email Information		

Property (XPath Representation)	Description	Example
SOA/EMAIL/MailAccessProtocol	The protocol of the Mail Access.	IMAP
SOA/EMAIL/OutgoingDefaultFromAddr	The email address from which the outgoing mails are sent.	
SOA/EMAIL/OutgoingMailServer	The mail server name from where the mails are sent.	host.yourdomain.com
SOA/EMAIL/OutgoingMailServerPort	The port number of the outgoing mail server.	465
SOA/EMAIL/OutgoingMailServerSecurity	The security for the outgoing mail server.	SSL
SOA/EMAIL/OutgoingUsername	The user name of the outgoing email.	
SOA/EMAIL/Outgoingpassword	The password of the outgoing email.	
SOA/EMAIL/IncomingMailServer	The mail server name where mail is received.	host.yourdomain.com
SOA/EMAIL/IncomingUserIDs	Incoming user IDs.	
SOA/EMAIL/IncomingUserPasswords	Incoming passwords	
SOA/EMAIL/applicationName	The application for which the UMS configuration is considered.	WAMERP
SOA/EMAIL/capability	Sets the driver's capability to send or receive messages.	The values are SEND, RECEIVE, and BOTH. For 12c.
Workflow Notification Properties		
SOA/WorkFlow.Notification/from.emailid		xyz@yourcompany.com
SOA/WorkFlow.Notification/mode		EMAIL
Error Handling Database Information		
EH/dba.dbusername	User name to log in as a database administrator (DBA). This database hosts the schema required for the integration.	System
EH/dba.dbuserpassword	Password to log in as a database administrator (DBA). This database hosts the schema required for the integration.	
EH/dbusername	User name to log in to the error handling schema for the integration. integration. This User can be automatically created by the install (set dbuser.createflag to true) or manually outside the install process.	WAMERP_User
SOA/dbuserpassword	Password to log in to the error handling schema for the integration.	

Property (XPath Representation)	Description	Example
EH/dbuser.createflag	<p>If set to true, the db user can be automatically created by the install.</p> <p>If this value is set to false, the schema needed for integration error handling will not be automatically created by the install and will need to be created manually prior to running the installation. When creating the user manually, grant connect and resource to the user.</p>	true
EH/dbhostname	The DB Hostname of the error handling schema for the integration.	
EH/dbportnumber	The DB Port of the error handling schema for the integration.	
EH/dbsid	The DB SID of the error handling schema for the integration.	

Chapter 6

Troubleshooting

This section provides information regarding issues that may arise during installation.

Password Expiry for Database

If a password expires or is changed, credential issues may arise with the Meta Data Store (MDS) or with an integration specific database. To fix this issue, perform the following steps:

1. Reset or unlock the password for the corresponding database (MDS or integration specific database).
2. Change the password for the data source for which the password is changed/or locked from the Weblogic Administration Console.
3. Change the password in the **InstallationProperties.xml** for the database instance (this helps only while reinstalling).
4. Perform the following steps to find the **adf-config.xml** file that is generated during installation.
The file is generally located at `$PRODUCT_HOME/install/util/template/`.
 - a. Identify the correct “metadata-store-usage” from the “meta-data-namespaces” element by the path mentioned above.
 - b. In the “metadata-store-usage” element, find the element property with the attribute value as “jdbc-password” for the “name” attribute.
 - c. Change the password for the value attribute in the property element.

Chapter 7

Uninstalling the Integration

This section provides steps for:

- [Uninstalling Linux Environments](#)
- [Uninstalling Windows Environments](#)
- [Uninstalling the UsageMessagingDriver-Email](#)

7.1 Uninstalling Linux Environments

To uninstall in a Linux environment:

1. Change the directory to the location where the OUWAMERP product has been extracted and navigate to the bin directory under the product home using the command:

```
cd $PRODUCT_HOME/bin
```

2. Execute the command to remove the MDS artifacts and undeploy the composites and delete the SOA partition:

```
ant -f UnInstallBuild.xml uninstallSOA -DInstallProperties=$PRODUCT_HOME/  
config/InstallProperties.xml -l UnInstallSOA.log
```

3. Execute the command at the directory to uninstall all the WebLogic Java resources such as JMS servers, JMS modules, JMS queues:

```
ant -f UnInstallBuild.xml uninstallWL -DInstallProperties=$PRODUCT_HOME/  
config/InstallProperties.xml -l UnInstallWL.log
```

4. Execute the command at the directory to delete the database artifacts such as Error handling schema, tables and rows.

```
ant -f UnInstallBuild.xml uninstallDB -DInstallProperties=$PRODUCT_HOME/  
config/InstallProperties.xml -l InstallDB.log
```

5. Restart the Managed Servers and Admin Servers through the WebLogic Administration Console to verify THAT all the artifacts are deleted/unmounted.

7.2 Uninstalling Windows Environments

To uninstall in a Windows environment:

1. Change the directory to the location where the OUWAMERP product has been extracted and go to the bin directory under the product home using the command:

```
cd %PRODUCT_HOME%\bin
```

2. Execute the command to delete the MDS artifacts and undeploy the composites and delete the partition:

```
ant -f UnInstallBuild.xml unInstallSOA -DInstallProperties=%PRODUCT_HOME%\config\InstallProperties.xml -l UnInstallSOA.log
```

3. Execute the command at the directory to uninstall all the WebLogic Java resources such as JMS Servers, JMS modules, JMS queues:

```
ant -f UnInstallBuild.xml uninstallWL -DInstallProperties=%PRODUCT_HOME%\config\InstallProperties.xml -l UnInstallWL.log
```

4. Execute the command at the directory to create the database artifacts such as Error handling schema, tables and rows:

```
ant -f UnInstallBuild.xml uninstallDB -DInstallProperties=%PRODUCT_HOME%\config\InstallProperties.xml -l InstallDB.log
```

5. Restart the Managed Servers and Admin Servers through the WebLogic Administration Console to verify That all the artifacts are deleted/unmounted.

7.3 Uninstalling the UsageMessagingDriver-Email

To uninstall the UsageMessagingDriver:

1. Open the **Enterprise Manager** console.
2. Expand the **Usage Message Service**.
3. Right-click on the **usermessagingdriver-email**.
4. Select the **Email Driver Properties** menu item.
5. In the **Email Driver Properties** table, find the row with the instance set as “usermessagingdriver-[integration]” or “usermessagingdriver-UGBUEMAIL”.
6. Click **Delete**.
7. Click **Yes** in the confirmation dialog box.