

**Oracle Utilities Mobile Workforce
Management**

JMS Setup Guide

Release 2.3.0.3.0

F12626-01

November 2018

Oracle Utilities Mobile Workforce Management JMS Setup Guide, Release 2.3.0.3.0

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Contents

Preface	i
Audience	ii
Related Documents	ii
Updates to Documentation.....	ii
Additional Resources	ii
Acronyms	iii
Conventions.....	iii
Chapter 1	
Configuring JMS	1-1

Preface

Welcome to the Oracle Utilities Mobile Workforce Management JMS Setup Guide.

This guide focuses on the JMS configuration for Oracle Utilities Mobile Workforce Management.

The preface includes information about:

- [Audience](#)
- [Related Documents](#)
- [Updates to Documentation](#)
- [Additional Resources](#)
- [Acronyms](#)
- [Conventions](#)

Audience

This guide is intended for anyone interested in the process of installing Oracle Utilities Mobile Workforce Management.

Related Documents

The following is the complete set of documentation available with this release.

Installation, Configuration, and Release Notes

- *Oracle Utilities Mobile Workforce Management Release Notes*
- *Oracle Utilities Mobile Workforce Management Quick Install Guide*
- *Oracle Utilities Mobile Workforce Management Server Application Installation Guide*
- *Oracle Utilities Mobile Workforce Management Database Administrator Guide*
- *Oracle Utilities Mobile Workforce Management Hybrid Mobile Application Installation and Deployment Guide*
- *Oracle Utilities Mobile Workforce Management GEOCODE Data Source Configuration Guide*
- *Oracle Utilities Mobile Workforce Management JMS Setup Guide*

User Guides

- *Oracle Utilities Mobile Workforce Management Administrative User Guide*
- *Oracle Utilities Mobile Workforce Management Business User Guide*
- *Oracle Utilities Mobile Workforce Management Mobile Application User's Guide (Java-based)*
- *Oracle Utilities Mobile Workforce Management Hybrid Mobile Application User's Guide*
- *Oracle Utilities Mobile Workforce Management Hybrid Mobile Contractor Application User's Guide*

Map Editor Installation and User Guides

- *Oracle Utilities Mobile Workforce Management Map Editor User's Guide*
- *Oracle Utilities Mobile Workforce Management Map Editor Installation Guide*

Supplemental Documents

- *Oracle Utilities Mobile Workforce Management Server Administration Guide*
- *Oracle Utilities Mobile Workforce Management Security Guide*

Updates to Documentation

Additional and updated information about the product is available from the **Knowledge Base** section of **My Oracle Support** (<http://support.oracle.com>). Please refer to **My Oracle Support** for more information. Documentation updates are also posted on the Oracle Technology Network documentation page as they become available (http://docs.oracle.com/cd/E72219_01/documentation.html).

Additional Resources

For more information and support, visit the Oracle Support Web site at: <http://www.oracle.com/support/index.html>

Acronyms

The following acronyms and terms are used in this document:

Acronym	Definition
MWM	Oracle Utilities Mobile Workforce Management
MOS	My Oracle Support
ORS	Oracle Real-Time Scheduler
OSDC	Oracle Software Delivery Cloud
OAAF	Oracle Utilities Application Framework

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.

Chapter 1

Configuring JMS

This chapter describes the JMS configuration settings for Oracle Utilities Mobile Workforce Management. It describes the steps for the utilities_server1 Managed Server.

To configure JMS settings in the WebLogic domain:

1. Login to the WebLogic Administration Console.
2. Navigate to **<Domain Name> > Services > Messaging > JMSServers**.
3. Click **New**.

JMS servers act as management containers for the queues and topics in JMS modules that are targeted to them.
This page summarizes the JMS servers that have been created in the current WebLogic Server domain.

Customize this table

JMS Servers (Filtered - More Columns Exist)

Name ↕	Persistent Store	Target	Current Target	Health
There are no items to display				

4. Create a new JMS Server.
 - a. To create the **OUMJMServer** server:
 1. In the **Create a New JMS Server** window, specify the **Name** as OUMJMServer.
 2. Specify the **Target** as utilities_server1.
 3. Click **Finish**.
 - b. To create the **ORS-JMServer** server:
 1. In the **Create a New JMS Server** window, specify the **Name** as ORS-JMServer.
 2. Click **Next**.
 3. Specify **ORS-persist** as a persistent store for this JMS server.
 4. Click **Create a New Store**.
 5. Specify the **Target** as utilities_server1.
 6. Click **Finish**.

The **Summary of JMS Servers** lists the new JMS servers created.

Name	Persistent Store	Target	Current Target	Health
ORS-JMSServer	ORS-persist	utilities_server1	utilities_server1	
OJMServer		utilities_server1	utilities_server1	

5. Create a new JMS module.
 - a. Navigate to **<Domain Name> > Services > Messaging > JMSModules**.
 - b. Click **New**.

- c. To create the OUFlushModule JMS module:
 1. Specify the **Name** as OUFlushModule.
 2. Specify the **Target** as utilities_server1.
 3. Select the **Would you like to add resources to this JMS system module?** checkbox.
 4. Click **Finish**.
 5. On the **Settings for OUFlushModule** window:
 - a. Select the **Configuration** tab and then click **New**.

- b. Add the following system module resources:
- Name: OUFlushConnectionFactory
Type: ConnectionFactory
JNDI Name: jms/OUFlushConnectionFactory
Targets: utilities_server1
 - Name: OUFlushRequestTopic
Type: Distributed Queue
JNDI Nme: jms/OUFlushRequestTopic
Targets: utilities_server1
 - Name: OUFlushResponseTopic
Type: Distributed Queue
JNDI Nme: jms/OUFlushResponseTopic
Targets: utilities_server1

The **Summary of Resources** list looks as shown below.

The screenshot shows a web interface for configuring a JMS system module. It includes tabs for Configuration, Subdeployments, Targets, Security, and Notes. The main content area displays general information about the JMS system module and its resources. Below this, there is a section titled "Summary of Resources" which contains a table listing the resources created for this module.

Name	Type	JNDI Name	Subdeployment	Targets
OUFlushConnectionFactory	Connection Factory	jms/OUFlushConnectionFactory	Default Targeting	utilities_server1
OUFlushRequestTopic	Uniform Distributed Topic	jms/OUFlushRequestTopic	Default Targeting	utilities_server1
OUFlushResponseTopic	Uniform Distributed Topic	jms/OUFlushResponseTopic	Default Targeting	utilities_server1

- d. To create the ORS-SystemModule JMS module:
1. Specify the **Name** as ORS-SystemModule.
 2. Specify the **Target** as utilities_server1.
 3. Select the **Would you like to add resources to this JMS system module?** checkbox.
 4. Click **Finish**.
 5. On the **Settings for ORS-SystemModule** window:
 - a. Select the **Configuration** tab and then click **New**.
 - b. Add the following system module resources:
 - Name: ORS-ConnectionFactory
Type: ConnectionFactory
JNDI Name: spl.mwm.abr.connectionfactory
Targets: utilities_server1
 - c. Select the **Subdeployments** tab.

- d. Click **Create a New Subdeployment**.
- e. Specify the **Subdeployment Name** as JMSFAServer.
- f. Specify the **Target** as ORS-JMSServer.
- g. Click **Next**.
- h. Specify the following resources:
 - Name: spl.mwm.abr.queue
 Type: Distributed Queue
 JNDI Name: spl.mwm.abr.queue
 Targets: utilities_server1
 Subdeployments: JMSFAServer
- i. Click **Finish**.

The **Summary of Resources** list looks like below.

Settings for ORS-SystemModule

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: ORS-SystemModule The name of this JMS system module. [More Info...](#)

Scope: Global Specifies if the JMS system module is accessible within the domain, a partition, or a resource group template. [More Info...](#)

Descriptor File Name: jms/ors-systemmodule-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](#)

Summary of Resources

Showing 1 to 2 of 2 Previous | Next

	Name	Type	JNDI Name	Subdeployment	Targets
<input type="checkbox"/>	ORS-ConnectionFactory	Connection Factory	spl.mwm.abr.connectionfactory	JMSFAServer	ORS-JMSServer
<input type="checkbox"/>	spl.mwm.abr.queue	Uniform Distributed Queue	spl.mwm.abr.queue	JMSFAServer	ORS-JMSServer

Showing 1 to 2 of 2 Previous | Next

Important! Make sure that in the Menu Block 8 JMS Configuration the server:port in WebLogic Server URL matches that of where the utilities_server1 was deployed.

```

8. JMS Configuration
Context Factory:          weblogic.jndi.WLInitialContextFactory
WebLogic Server URL:     t3s://server1.oracle.com:9500
Weblogic System User ID: ENCKS(EiuRNj4GIk60mHnoJpHyhF+3vG/D3srce7AFYd2eneU=)
Weblogic System Password: ENCKS(8DaPKKFDf3xPihv0ZgArLUA66D0dCATXMDNduj9yM3I=)
Time Out:                120000
  
```