# 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

Copyright © 2018 Oracle and/or its affiliates. All rights reserved.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Xeon are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Opteron, the AMD logo, and the AMD Opteron logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information about content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services unless otherwise set forth in an applicable agreement between you and Oracle. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services, except as set forth in an applicable agreement between you and Oracle.

# **Contents**

Preface.		
	Audience	
	Related Documents	
	Updates to Documentation	i
	Additional Resources	i
	Acronyms	. 11
	Conventions	. ii
Chapt	er 1 ring JMS	
Configu	ring 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
OUAF	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.	
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.	

# 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:

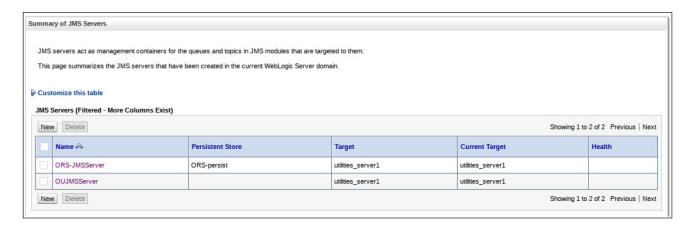
- 1. Login to the WebLogic Administration Console.
- 2. Navigate to **<Domain Name>** > **Services** > **Messaging** > **JMSServers**.
- 3. Click New.



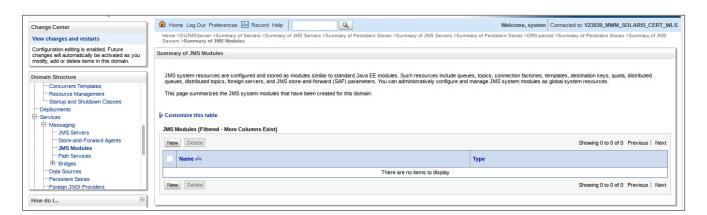
- 4. Create a new JMS Server.
  - a. To create the **OUJMSServer** server:
    - 1. In the Create a New JMS Server window, specify the Name as OUJMSServer.
    - 2. Specify the **Target** as utilities\_server1.
    - Click Finish.
  - b. To create the **ORS-JMSServer** server:
    - 1. In the **Create a New JMS Server** window, specify the **Name** as ORS-JMSServer.
    - 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.



- 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

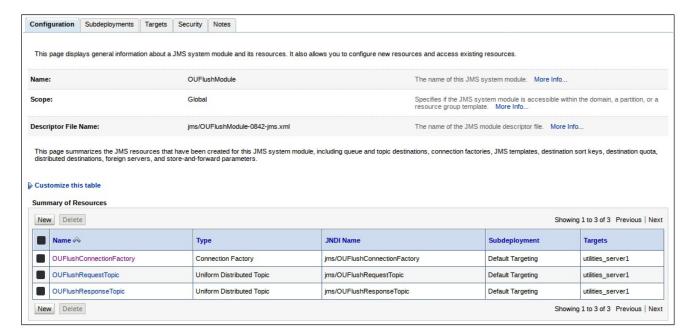
• Name: OUFlushResponseTopic

Type: Distributed Queue

JNDI Nme: jms/OUFlushResponseTopic

Targets: utilities\_server1

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



- d. To create the ORS-SystemModule JMS module:
  - Specify the Name as ORS-SystemModule.
  - 2. Specify the **Target** as utilities\_server1.
  - Select the Would you like to add resources to this JMS system module? checkbox.
  - 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

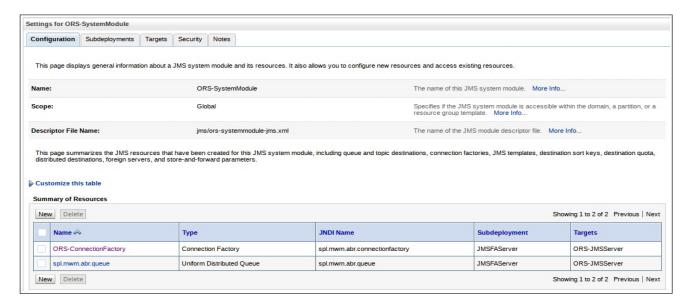
JNDI Name: spl.mwm.abr.connectionfactory

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.



**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 Server URL: Weblogic System User ID: Weblogic System Password:	weblogic.jndi.WLInitialContextFactory t3s://server1.oracle.com:9500 ENCKS(EiuRNj4GIk60mHnoJpHyhF+3vG/D3srce7AFYd2eneU=) ENCKS(8DaPKKFDF3xPihv0ZgArLUA66D0dCATXMDNduj9yM3I=)
Time Out:	120000