

**Oracle Utilities Customer Care and Billing
Integration to Oracle Utilities Meter Data
Management**

Release Notes

Release 12.1

E64806-01

February 2017
(Updated July 2017)

Oracle Utilities Customer Care and Billing Integration to Oracle Utilities Meter Data Management, Release 12.1 Release Notes

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Primary Author: Oracle Corporation

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Preface

This document is intended for anyone implementing the Oracle Utilities Customer Care and Billing Integration to Oracle Utilities Meter Data Management.

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 Customer Care and Billing Integration to Oracle Utilities Meter Data Management Release Notes	
Oracle Utilities Customer Care and Billing Integration to Oracle Utilities Meter Data Management Implementation Guide	Refer to the Oracle Utilities applications documentation page: http://docs.oracle.com/cd/E72219_01/documentation.html
Oracle Utilities Customer Care and Billing Integration to Oracle Utilities Meter Data Management Installation Guide	
Edge application documentation:	
Oracle Utilities Customer Care and	
Oracle Utilities Meter Data Management	

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.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

Access to Oracle Support

Oracle customers have access to electronic support for the hearing impaired. Visit: <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info> or <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs>

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

The following abbreviations are used in these guides:

AIA	Application Integration Architecture
BPEL	Business Process Execution Language
DVM	Domain Value Map
EBF	Enterprise Business Flow
EM	Enterprise Manager
JMS	Java Message Service
MDS	Metadata Store
OUCCB or CCB	Oracle Utilities Customer Care and Billing
OUMDM or MDM	Oracle Utilities Meter Data Management
SA	Service Agreement
SOA	Service Oriented Architecture
SP	Service Point

Release Notes

Oracle Utilities Customer Care and Billing Integration to Oracle Utilities Meter Data Management represent significant business value for our utility customers, who must turn increasing volumes of usage data into valuable business information, in order to facilitate their Smart Grid initiatives.

Many utilities choose Oracle Utilities Customer Care and Billing to address changing regulatory and market conditions and to meet the complex needs of residential, commercial, and industrial customers. Many of these same utilities also choose Oracle Utilities Meter Data Management to support the loading, validation, editing, and estimation of meter data - from meter installation and configuration, to meter read and usage loading and validation, to bill determinant and other forms of usage calculations.

These utilities require sophisticated enterprise integration to realize desired revenue targets and energy savings from their automated infrastructure. This pre-packaged integration automates the transfer of aggregated usage data from Oracle Utilities Meter Data Management to Oracle Utilities Customer Care and Billing.

The integration benefits our utility customers by:

- Allowing them to cope with significant amounts of usage data, reducing manual processes and enabling Smart Grid rollout for residential Smart Meters.
- Ensuring accurate high-volume billing with less proration and estimation, improving customer satisfaction.
- Facilitating time-based billing programs for various types of new Smart Grid driven rates.
- Limiting data duplication and unnecessary synchronization, which should reduce implementation complexity.
- Eliminating the need to build and maintain this complex integration in-house, lowering the Total Cost of Ownership of Smart Grid for Billing.

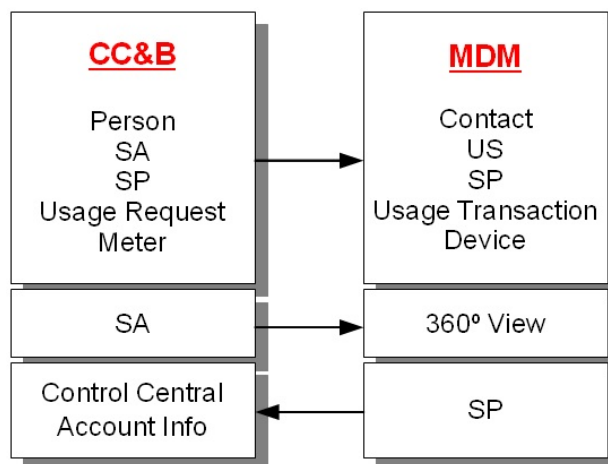
Leveraging Oracle Application Integration Architecture, the product provides what utilities need to implement sustainable, Services Oriented Architecture-based integrations. By utilizing best practices and best-in-class Oracle Fusion Middleware, Oracle delivers an adaptable end-to-end solution that improves enterprise control and visibility of metered usage data to billing.

This document describes the functionality in the 12.1 Media Pack release of the Oracle Utilities Customer Care and Billing Integration to Oracle Utilities Meter Data Management. No new features were added for this release; the existing functionality from the prior release is the same as this release. Refer to the Implementation Guide for a comprehensive description of product functionality. The only change for this release was

a technology upgrade of the integration from Oracle SOA Suite 11g to Oracle SOA Suite 12c.

Integration Process

The following graphic shows the data synchronization processes that are included in this integration product:



Integration Processes

Upgrade Technology to Oracle SOA Suite 12c

A key new feature of this integration is a technology upgrade from Oracle SOA Suite 11g to Oracle SOA Suite 12c to avail the new features that 12c has to offer.

Oracle SOA Suite is the technology use for the Oracle Utilities Customer Care and Billing Integration to Oracle Utilities Meter Data Management Release 12.1 Media Pack. SOA Suite is a member of the Oracle Fusion Middleware family of products, offering a one-stop solution for building, deploying, and managing Services-Oriented Architectures. Oracle SOA Suite's components are hot-plugable and can run in a variety of environments, allowing organizations to extend and evolve their existing environments instead of replacing them.

For more detailed information about the entire range of Oracle Fusion Middleware 12c and Oracle SOA Suite 12c functionality, please refer to the [Conventions](#) section in this document