ORACLE UTILITIES
METER DATA MANAGEMENT

Smart metering offers utilities vast amounts of new data. With it, you can improve operations and offer new customer programs, but to maximize the benefits, you must transform raw data into usable information. As a result, the solution can enable the fundamental utility goals of improved operational efficiency, network reliability, asset optimization, lower costs, customer satisfaction, regulatory compliance, and continued business expansion opportunities.

Overview
Oracle Utilities Meter Data Management gathers and processes all types of data from any type, variety, or brand of device. The application loads, validates, stores, and formats the data in ways that facilitate business processes across multiple internal and external systems. Oracle Utilities Meter Data Management includes standard functionality for aggregations, event subscriptions, usage subscriptions, bill determinants (supporting the push and pull methods), and smart meter transition processes.

Meter Data Management Overview

Oracle Utilities Meter Data Management includes out-of-the-box functionality to automatically analyze usage and event data and issue Service Investigative Orders based on exceptions, events, commands, missing readings and meter reader remarks. This focused attention supports revenue protection and meter diagnostic processes.

In addition, Oracle Utilities Meter Data Management application includes a 360 degree user interface. This analytical tool allows users to graphically view usage and overlay related activities such as: weather data, average usage profiles, like premise usage, AMI events, VEE exceptions, installation and removal activities, outage periods, meter reader remarks, and service orders.
Performance

Performance is essential in handling the extreme data volumes generated by smart devices. Using Oracle technologies and labs, the Oracle Utilities Meter Data Management application has been built to support these enormous volumes. In the most recent benchmark test, Oracle showed the unprecedented ability to process more than one billion records and to generate 500,000 customer bills within an eight-hour window using Oracle Utilities Customer Care and Billing, Oracle Utilities Meter Data Management and Oracle Utilities Smart Grid Gateway. For more information please see Oracle’s white paper: Meter-To-Cash Performance Using Oracle Utilities Applications on Oracle Exadata and Oracle Exalogic.

Robust Technology Foundation

Oracle Utilities Meter Data Management is built upon a flexible architecture that allows customers to define custom objects, data entities, user interfaces, business rules, and processes. This is the same proven framework used by Oracle Utilities Customer Care and Billing and other Oracle Utilities applications. Oracle Utilities Meter Data Management product and framework utilize Oracle technologies like Java and the Oracle database to provide a robust and open platform.

Meter Solution

Oracle Utilities Meter Data Management is a component of Oracle’s comprehensive Meter Solution, which includes rich functionality designed and built to support utilities of all sizes – including some of the largest utilities in the world. It provides a wide array of complementary products to meet customers’ requirements today and tomorrow including:

- **Smart Device Integration.** Oracle Utilities Smart Grid Gateway includes productized smart meter adapters for the most widely used head-end systems (Sensus, Landis+Gyr, Echelon, Silver Springs, Itron OpenWay and Itron MV-90) and an adapter development kit for custom adapters.

- **CIS Integration.** Oracle also offers Oracle Utilities Meter Data Management productized integration to Oracle Utilities Customer Care and Billing and SAP Customer Relationship and Billing.

- **In House Analytics.** Pre-packaged integration links Oracle Utilities Meter Data Management with Business Intelligence to perform analytics. This includes operational and management dashboards to assist with day-to-day operations and management tasks.

- **SaaS Analytics.** For those utilities seeking a cloud-based solution with a short lead time from integration to deployment, Oracle Utilities Analytics Cloud Service provides advanced intelligence about meter operations, revenue protection, and energy efficiency.
• **Customer Self-Service.** Oracle Utilities Meter Data Management can be linked to the Oracle Utilities Customer Self-Service platform for customer inquiry, consumption analytics, bill viewing/payment, and customer payments.

• **Device Management.** Oracle Utilities Meter Data Management is integrated to Oracle Utilities Operational Device Management to provide comprehensive asset management of smart grid devices. This includes change and configuration management as well as strict inventory management of secured devices.

• **Infrastructure Management.** Oracle Utilities Meter Data Management’s integration to Oracle Enterprise Manager provides a comprehensive IT system management tool.

• **Training Modules.** Prepackaged content for end-user training delivered through an extensible best-in-class training and productivity platform is also available. There are several training modules offered: Administrative Setup, User Tasks, VEE and Usage Rules, and Working with Measurement Data.

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**Contact Us**

For more information about Oracle Utilities Meter Data Management, visit oracle.com/goto/utilities or call +1.800.275.4775 to speak to an Oracle representative.