ORACLE
UTILITIES

ORACLE DATA SHEET

ORACLE UTILITIES DATA MODEL

PREBUILT DATA WAREHOUSE, DESIGNED AND TUNED FOR ORACLE TECHNOLOGIES

KEY FEATURES

- 3rd Normal Form (3NF) Data Model with transaction level access; the first data warehouse built based on the IEC Common Information Model (CIM) standards for utilities
- Three-layered data warehouse architecture to support a scalable business intelligence solution
- Comprehensive metadata for business intelligence reporting and ad-hoc query
- Physical data model with industry specific measurements; Over 670 tables with over 4,800 columns; and 1,300 industry-specific measurements and 80 KPIs
- Sample Star Schema, OLAP Cubes and Analytical Models for ease of implementation
- Industry specific sample use cases for customer extensions

KEY BENEFITS

- Designed and optimized for Oracle BI and DW technologies, and can be extended to support others.
- Support cross-functional business intelligence for utilities and provides the foundation for utility enterprise analytics.
- Easy to extend and customize
- Conforms to any application environment
- Expeditious data warehouse implementation with prebuilt components and embedded data warehousing best practices for utilities

As utilities worldwide transform their business models through the investment of smart grid and other technologies, the ability to collect, store and analyze detailed customer and operational data becomes a critical competitive differentiator. Oracle Utilities Data Model (OUDM) is a pre-built, standards-based data warehouse solution designed and optimized for Oracle database and hardware. OUDM can be used in any applications environment and is easily extensible. OUDM enables utilities to establish a foundation for business and operational analytics across the enterprise, allowing users to leverage a common analytics infrastructure and pre-defined cross-domain relationships, which drive unprecedented levels of intelligence and discovery. With it, utilities can jump-start the design and implementation of enterprise information management strategies quickly to achieve a positive return on investment (ROI).

Enable Cross-Functional Business Intelligence

The utility industry value chain has several unique functions that are not typically seen in other industries. The business is a challenging environment in which to work. Investors, customers and regulatory bodies alike continue to demand high levels of care and execution to meet declared service, safety and social obligations.

The increasingly digitized grid and connected customers create huge volumes of data for utilities and expands the already complex challenge of data management and analytics. Advances in mobile technology create new opportunities as the usefulness and availability of analytics to utility end-users fosters new products, services and business models.

Deliver Industry-Specific Actionable Intelligence

Despite all of these opportunities, utilities find it difficult to incorporate these strategies into legacy data warehouse environments. Many utilities struggle to access and extract the right data from multiple systems and to deliver insight to the right people at the right time. Indeed, the process of accessing, analyzing, managing, and delivering this information – to optimize business operations and enhance customer relationships is a daunting task.

In an increasingly customer centric, compliance driven operating business environment, business intelligence and advanced analytics is a vital enterprise resource and it is critical to utilities achieving success. No longer a luxury item, these capabilities are necessary for the rapid delivery of easily accessible yet detailed information for smarter and faster decision-making. As forward-thinking utilities continue to invest in business intelligence and data analytics, more unexpected benefits will be discovered to boost ROIs.

Accelerate Your Data Warehouse Deployment

The Oracle Utilities Data Model solution can save utilities from investing hundreds of person-months building a data warehouse from scratch. By using a pre-built solution, utilities can focus on their unique requirements and gain significant benefits as follows:

- Enable the cross-domain data and business intelligence analysis through an integrated data model as the foundation for the data warehouse;
- Reduce need for costly custom BI/DW development with pre-built utility enterprise ready model and architecture based on industry best practices;
- Increase operational efficiency with streamlined and enterprise scale BI/DW solution;
- Guarantee information accuracy between applications with a single source of truth;
- Join new, existing or 3rd party applications on a robust, open, industry standards-based platform;
- Improve quality and accuracy of customer and operational information;
- Accelerate adoption of holistic enterprise analytics to drive value from Big Data;
- Simplify upgrades through a standards-based enterprise model for future analytical needs.

Contact Us

For more information about the Oracle Utilities Data Model, visit oracle.com or call +1.800.ORACLE1 to speak to an Oracle representative.

Oracle is committed to developing practices and products that help protect the environment

Hardware and Software, Engineered to Work Together