

Oracle Utilities Analytics Warehouse

With exponential growth in volumes and sources of data, utilities have an ever-expanding opportunity to derive value from that data to support data-driven decisions across the business. Oracle Utilities Analytics Warehouse (OUAW) is a family of solutions that deliver utility-focused analytics on a world-class technology platform to provide real-time, actionable insight. With OUAW, utilities leverage pre-built analytics within a streamlined, intuitive platform to support peak performance of systems and business processes.

Tame the data

Smarter devices and rapidly evolving technology capabilities expand the amount of data pouring into your business by thousands of times. Smart meters inundate your systems with unprecedented amounts of voltage and interruption information. Simultaneously, a new generation of grid nodes and sensors detects and reports every system anomaly while adding to your already overburdened asset inventory. Meanwhile, production systems are churning out reams of new financial, customer, and staffing information.

Somewhere in this data deluge lays the path to a more efficient tomorrow. Oracle Utilities Analytics Warehouse will help you find it.

A powerful architecture

OUAW leverages the power and stability of Oracle Analytics Server (OAS), the industry-leading, comprehensive, enterprise platform that features guided and ad hoc analytics, advanced reporting and publishing, and the ability to invoke business processes. OUAW components are built on Oracle Analytics Server.

OUAW's separate, prebuilt components speed implementation and time to value:

- Extractors and schema to pull data from specific Oracle Utilities production applications and format it for business intelligence purposes. Spatial dashboards display information on maps.
- Graphical dashboards analyze and summarize information in charts, traffic lights, top 10 lists, alerts, and similar tools. Drill-downs and filters help users focus on essential issues.

Key Benefits

- Explore data across our enterprise applications
- Gain robust point-in-time historical data exploration capabilities
- Explore deep insights into trends and root causes of business problems

Key Features

- Pre-built dashboards out of the box, plus flexible configuration to accommodate emerging needs
- Embedded analytics based on industry best practices
- Data models designed to meet utility industry needs
- Pre-built extractors and schema for Oracle Utilities applications
- Ad hoc “drag and drop” reporting
- A rich set of graphics, mapping, and mash-up tools
- The power and stability of Oracle Analytics Server

Related Solutions

- Oracle Utilities Analytics Visualization
- Oracle Utilities Analytics Insights
- Oracle Analytics Cloud

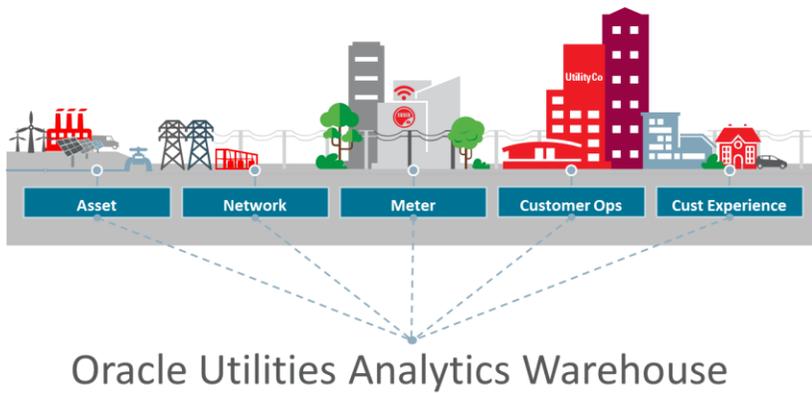


Figure 1: OUAW centralizes data from across Oracle Utilities applications and automatically preps data for deep BI by forming it into star schemas. Prebuilt dashboards can be deployed in OBIEE or Oracle Analytics Cloud.

Oracle Analytics Server brings along with it the power of an enterprise solution with integrated strategy management, guided and ad hoc analytics, advanced reporting and publishing, and the ability to act on insight by initiating business processes from within the BI environment.

Pre-built means lower cost, faster delivery

Yesterday's business intelligence projects took years to complete and disrupted entire departments for extended periods. No longer.

Oracle has solved the issues BI experts previously spent months investigating, reworking, testing, and implementing. All OUAW components arrive ready to produce business intelligence right out of the box.

Mash-ups and near-real-time analytics

OUAW delivers decision support using tools like maps, charts, and mash-ups—graphics that make it easy to absorb complex data and to grasp relationships. OUAW also offers a choice of ways to examine data by using two different types of pre-built dashboards:

- Spatial dashboards, which use maps to provide location-based analyses of events and issues. Maps foster rapid understanding of the dimensions of events or issues. They may also reveal unexpected connections between seemingly unrelated events or between events and their locations. And data filters plus zooming and panning foster focus on the details behind critical events.
- Underpinning OUAW spatial dashboards are mash-up tools that permit simultaneous display of information from multiple applications. Mash-ups add depth and breadth to the issue under examination, offering new insights that speed problem resolution.
- Graphical dashboards that use charts, alerts, trendlines, traffic lights, and similar tools to summarize complex utility issues and measure current and past performance against goals. Drill-downs and filters let you examine the details behind data anomalies and trends.

With OUAW, you can rapidly measure current and historic performance against key performance indicators. You can analyze data at a 'moment in time. You can drill down to discover the hidden causes of trouble. You can solve problems before they escalate.

OUAW helps you communicate easily with all utility stakeholders. You can use its visuals to update customers and first responders on situations like outage restoration. You can replay events to aid in training or to show external stakeholders the results of capital investments. You can summarize trends and use them to project future issues during discussions with regulators.

Part of a comprehensive analytics platform

Oracle Utilities Analytics Platform was designed to deliver the robust yet simple to use analytics tools you need to become a master of your data. Built with utility-specific needs in mind, we offer the analytics you need to visualize data clearly across systems and slice and dice to discover fresh insights. With our platform, the power of data science and machine learning is at your fingertips, in prepackaged solutions designed for you.

- Oracle Utilities Analytics Insights (OUAI): Machine learning insights designed to drive utility business outcomes
- Oracle Utilities Analytics Visualization (OUAV): Intuitive, powerful visualization and reporting across your digital utility
- Oracle Utilities Analytics Warehouse (OUAW): Analytics warehouse designed for historical analytic needs

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