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Oracle Utilities Operational Device Management

When you have thousands and even millions of smart devices and distributed energy resources, each with unique requirements for maintenance, inspection, updating, and security, just to name a few tasks, it can get overwhelming quickly. Knowing where they are much less what to do with each one can seem impossible.

Optimize smart device value

Oracle Utilities Operational Device Management (ODM) provides cost-effective inventory, asset, and configuration management of microprocessor-based devices including distributed energy resources (DER). The solution ensures your critical investments throughout storing, installing, monitoring and maintaining these assets are continuously performing at an optimal level. By providing comprehensive operational knowledge of each device's location, characteristics, health, firmware updates, configuration management, compatibility, scheduled battery replacements, audit compliance, and associated tasks, utilities have the ability at their fingertips to:

- Protect investment in smart devices throughout their lifecycle

- Ensure revenue realization by safeguarding device performance

- Increase customer choice and reliability through proactive management of DER and customer-owned equipment

- Simplify complex processes to reduce maintenance and management costs

Protect investment

Oracle Utilities ODM enables you to know the location and status of each device— at all times. From device purchase to retirement, Oracle Utilities ODM provides location and status management throughout the lifecycle. No matter the asset location —centralized or satellite storerooms, staging areas, repair shops, or on a truck—security is enhanced and status is readily available.

Remove error, delays and customization from meter-to-cash

As utilities roll out new programs and look to maximize their value, one critical area to optimize is the meter-to cash process, which is built upon the

Key Features

- Single registry for all distribution and DER devices

- Configuration management

- Automated firmware upgrade, inspection, maintenance, and scheduling

- Device location tracking

- Meter agnostic support

Key Benefits

- Truck rolls are eliminated

- Devices are repaired and maintained automatically

- Warranty adherence is assured

- Health and history of all devices known at all times

- Security is maintained

- Meter-to-cash process is improved

- Renewable mandates are met

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convergence of meter health, usage data, and billing process. By monitoring the health of meters in real time, Oracle Utilities ODM protects a critical aspect of revenue realization by eliminating implementation delays and customization, ensuring proper meter functionality, identifying and prioritizing replacements, and much more.

Gain visibility from grid to customer-owned equipment

Much like traditional utility-owned devices such as remote terminal units (RTUs), controllers, grid sensors and smart meters, DER and other customer-owned equipment create high volumes of very complex data in real time and are, though decentralized, still part of the grid infrastructure. Extracting value from that data—for demand response, innovative programs, outage management, load shifting and other benefits—begins by treating DER as assets so the work of integrating them into the network model can be expedited.

Oracle Utilities Operational Device Management provides an asset registry for all DER data. The registry is designed specifically for DER and their high-volume, real-time data and begins with the connection process. The results are:

- A system of truth for information connecting DER to a customer record

- A real-time data source to improving capacity planning and outage response

- DER data for analytics to predict patterns leading to asset risk

Reduce management and maintenance cost and complexity

Oracle Utilities ODM serves as an automated lifecycle management and maintenance shop, proactively adjusting, updating and repairing smart devices as needed. As a result, it simplifies complex processes, such as managing firmware updates, and assures compatibility of all smart grid elements. As Oracle Utilities ODM injects more efficiency, speed and accuracy into work processes, it provides tremendous cost savings by eliminating work and reducing truck rolls.

Related Products

Oracle Utilities SOM is part of a powerful Oracle Utilities suite including:

- Oracle Utilities Work and Asset Management

- Oracle Utilities Analytics

- Oracle Field Service Cloud

- Oracle Utilities Network Management System

- Oracle Utilities Customer to Meter

- Oracle Utilities Meter Data Management

- Oracle Utilities Customer Cloud Service

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