

Oracle DataRaker

Release Notes

Release 3.8.0.1

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Preface

This Release Notes provides an overview of new features and known issues in Oracle DataRaker, Release 3.8.0.1.

Audience

Oracle DataRaker Release Notes are intended for anyone installing or using Oracle DataRaker Release 3.8.0.1.

Related Documents

For more information, refer to these Oracle documents:

- *Oracle DataRaker Release 3.8.0.1 Configuration Guide*
- *Oracle DataRaker Release 3.8.0.1 User's Guide*

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.

Chapter 1

Release Notes

This document provides general information about this release of Oracle DataRaker, including new functionality, known issues, and other important information.

This guide includes the following sections:

- [What's New in Oracle DataRaker V3.8.0.1](#)
- [Supported Browsers](#)
- [Supported Upgrade Paths](#)
- [Internal Manual and Automated Testing](#)
- [Regression Testing](#)
- [Performance Testing](#)
- [Known Issues](#)
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What's New in Oracle DataRaker V3.8.0.1

Oracle DataRaker is a SaaS offering (Software as a Service, aka Cloud Services), that provides analytical insight into the most critical business areas of a utility. The solution spans multiple business areas; including distribution planning, meter and grid operations, energy efficiency, demand response, and customer service. Oracle DataRaker is delivered with a broad portfolio of field-tested applications that leverage big data technologies such as analytics program languages Python and R and Oracle 12c Database.

Oracle DataRaker's pre-built, but extensible, applications address the needs of all business areas across the utility's value chain and are designed to evolve with the business. Customers can take immediate action by using the exception list. Customers also have the option to perform research by viewing and analyzing the data in a Web-based format, or exporting the data.

This section contains general information about this release of Oracle DataRaker, including:

- [New Products](#)
- [Enhancements](#)

Note: See the *Oracle DataRaker User's Guide* and *Oracle DataRaker Configuration Guide* for information about the supported browser and configuration steps.

New Products

The Oracle DataRaker product has been a public release since version 3.6. Version 3.8.0.1 allows customers to create and apply filters; as well as search, view and export the resulting data. Over the past few years, major improvements have been made to increase the performance, enhance the data import, and strengthen the calculation engine.

The main focus of v3.8.0.1 is to create an intuitive and user-friendly interface. This release also introduces high-level, meter and algorithm overview dashboards. Oracle DataRaker adopted the Alta standard in order to be in compliance with the UGBU Edge products.

Oracle DataRaker has been modularized into four sections which reflect different utility segments; these modules include:

- Meter to Bill
- Revenue Protection
- Distribution Planning and Operations
- Energy Efficiency and Demand Response

Each module comes with pre-defined roles and algorithm categories. This modularized approach can be seen throughout the UI. The roles and algorithm categories that are pre-configured are listed in the table below.

Module	Role	Algorithm Categories
Meter to Bill	AMI Deployment	AMI New Meter Health Deployment Tracking Network Tracking Customer Refusal Tracking Deployment Data Quality Geospatial Reporting
	Billing	High Bill Prioritization Low Bill Prioritization Stopped Meter Slow Consumption Diagnostic Prioritization
	Meter Operations	Defective Meter Defective Socket New Meter Health Data Quality Assurance Geospatial Outlier Monitoring Net Meter Geospatial Reporting Meter Inventory Tracking
	Safety	Gas Leaks Water Leaks
Revenue Protection	Revenue Protection	Identify Bypass Diversion Identifying Meter Swaps Identify Meter Tampering Post-deployment Theft

Module	Role	Algorithm Categories
Distribution Planning and Operations	Distribution Ops	Overload Prevention Outage Management Transformer Load Management Conservation Voltage Reduction Non-technical Losses Localization
Demand Response and Energy Efficiency	Demand Response	Load Disaggregation Customer Usage Reporting
	Energy Efficiency	Program Customer Targeting Program Efficiency

Oracle DataRaker has been localized so that it can support multi-byte languages, such as Chinese and Japanese. DataRaker does not currently support, however, bi-directional text; therefore, languages that are written left to right cannot be translated.

Oracle identity manager has been adopted to enhance security. This addition facilitates the integration to other UGBU products. With V3.8.0.1, Oracle DataRaker can integrate with Oracle Utilities Meter Data Management (MDM) V2.1 SP3, Oracle Utilities Customer Care and Billing (CCB) V2.4 SP3, and Network Management Systems (NMS) 1.12 SP2. Oracle DataRaker utilizes Data Connect in order to integrate with MDM and CCB. Oracle DataRaker uploads “As Built” files in order to integrate with NMS.

DataRaker has been certified through the extensive Oracle Cloud for the Industry (OCI) approval process and will be offered exclusively through the OCI data centers.

Enhancements

This section describes the features enhanced in Oracle DataRaker V3.8.0.1.

Reference	Component	Description
0229202	User Interface	Issue: Follow Oracle Identification Standards Resolution: We adopted Oracle Identity Manager and are compliant with Oracle security standards.
20229209 20229290	User Interface	Issue: The certified browser does not meet Oracle's Branding Guidelines. Resolution: Oracle DataRaker adopted Oracle Fusion standards (including branding, icons, spacing, and color standards). All customer-facing user interfaces have been updated the Oracle Alta styles guidelines.
20229212	User Interface	Issue: Font Inconsistency Resolution: All customer-facing UIs were updated so that their fonts were consistent.

Reference	Component	Description
20229223	User Interface	<p>Issue: Pointer Inconsistency</p> <p>Resolution: A consistent pointer has been deployed throughout the application.</p>
20229233	User Interface	<p>Issue: Performance Statistics were not relevant to the end-users.</p> <p>Resolution: Performance statistics have been removed from the end-user interface.</p>
20229233	User Interface	<p>Issue: The product was not intuitive when a Date parameter is required.</p> <p>Resolution: Oracle DataRaker's dates now display as mm/dd/yyyy that the field indicates that date information is required.</p>
20229257	User Interface	<p>Issue: Date format is not consistent within the user interface.</p> <p>Resolution: All dates within the system are formatted to follow DD/MM/YYYY.</p>
202293016	User Interface	<p>Issue: Panel drop-down menus don't have titles.</p> <p>Resolution: Meaningful titles were added to each drop-down menu.</p>
20229307	User Interface	<p>Issue: Display option "last year" is not available any more.</p> <p>Resolution: Last year's data display was implemented in the Metric panel.</p>
20229307	User Interface	<p>Issue: Statistics should be applicable to any Chart Type selected.</p> <p>Resolution: Statistics can still be applied when the Chart Type option Best is selected.</p>
20229328	User Interface	<p>Issue: Drop-down menus did not display intuitive, or user-friendly, option names.</p> <p>Resolution: Drop-down option are pre-populated and easy to select from.</p>

Supported Browsers

Oracle DataRaker supports the following browsers:

- Google Chrome version 46
- Microsoft Internet Explorer versions 10 and 11
- Mozilla Firefox version 42

Oracle Utilities recommends using Google Chrome. While other browsers may be used, performance, page layout, and formatting may be compromised and have not been fully tested.

Supported Upgrade Paths

The upgrade path for customers that user v2 will be considered on a case by case basis; the primary decision factors for an upgrade are data volume and processing needs.

All customers who are on V3.7, however, will be automatically upgraded to V3.8.0.1 over the next 12 months.

Internal Manual and Automated Testing

The Oracle IDC team has begun testing the new features and has test plans for geospatial mapping and ad-hoc filtering.

The analytics team performed intensive testing of the filter, dataset, and calc XML editors, which are available through the UI.

Regression Testing

Automated Regression Testing (ART) has been started for front-end automation testing of calcs, filters, and datasets. Some manual regression testing was also completed by the ICD QA team.

Performance Testing

Performance testing began on October 5th and is expected to be completed by the end of January. We will also verify performance of the following steps during the performance test process:

- Data loading
- Core calculation
- Data aggregation
- Export
- User interface Advance Filtering

Known Issues

Oracle DataRaker v3.8.0.1 is currently missing the following functionality that was available in V2:

- Greater than, less than, etc. are currently not available in this simple way in V3.8.0.1, but the user can achieve the same results by setting a start and end value. This will be improved once the filter editor is translated into Java from Python.
- Sibling meter information is not displayed under Related Points.
- Drag and drop capability within the calc editor has not been implemented yet.

Demonstration Database Information

The Oracle DataRaker v3.8.0.1 demo database has been configured and demo recordings of the product features and integration to Oracle Utilities Customer Care and Billing are available.