

Oracle
DataRaker Cloud Service

Release Notes

Release 3.8.0.4.0

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Chapter 1

This document describes new features and known issues in this release of DataRaker Cloud Service.

Typographical Conventions

The following represents the styles applied to this guide.

Convention	Meaning
Bold	Bold text indicates a user interface element. Examples include window/page titles, keywords, and interactive elements such as menus, buttons, etc.
Hyperlink	A link to another section of the document or to an external document or website.
Add this text	Indicates something the user should enter in a field. Typically rendered as constant width font with a shaded background.
<i>varname</i>	Constant width italic indicates a user interface choice.
constant width type in a shaded block.	Used for code examples.
constant width	Example code in the midst of regular text.
NOTE: Note	A note providing a tip, suggestion, or a general information.
IMPORTANT: Note	A note with additional important information.
CAUTION: Note	A note of caution.

Preface

These Release Notes provide an overview of new features, known issues, and other important information related to Oracle DataRaker Cloud Service Release 3.8.0.4.0.

Audience

These release notes are intended for anyone installing or using Oracle DataRaker Cloud Service Release 3.8.0.4.0.

Related Documents

- *Oracle DataRaker Cloud Service Release 3.8.0.4.0 User's Guide*
- *Oracle DataRaker Cloud Service Release 3.8.0.4.0 End User Provisioning Guide*
- *Oracle DataRaker Cloud Service Release 3.8.0.4.0 Power User's Guide*

Release Notes

Oracle is a Software as a Service (SaaS) offering that provides analytical insight into the most critical business areas of a utility. DataRaker is delivered with a broad portfolio of field-tested applications that leverage big data technologies; such as, analytics programming languages (Python and R) and Oracle Database 12c. DataRaker's pre-built, but extensible, application addresses the needs of all business areas across the utility's value chain and are designed to evolve with the business. The solution spans multiple business areas including distribution planning, meter and grid operations, energy efficiency, demand response, and customer service.

What's New

The Oracle DataRaker Cloud Service Release 3.8.0.4.0 contains the following new and enhanced features.

New Features

OracleRelease 3.8.0.4.0 was developed with a primarily focus automation improvement. There were no major updates this release. However, minor updates were applied to improve existing functionality. The following updates have passed the extensive Oracle Cloud for the Industry (OCI) approval process, DataRakerRelease 3.8.0.4.0 will be installed exclusively in OCI data centers.

Enhancements

Reference	Component	Description
25294561	User Interface	Enhancement: Adding valid roles in the user interface Feature: This fix improves the user experience by removing invalid roles from the drop-down options.
25412267	User Interface	Enhancement: Processing Basis drop-down is not editable Feature: This fix automatically populates the Processing Basis drop-down with valid values.
25616009	Performance	Enhancement: Weather facts will not load in grid mode

Reference	Component	Description
		Feature: This fix corrected an error preventing data from loading in grid mode.

Supported Browsers

DataRaker supports the following browsers:

- Google Chrome version 46+

Other browsers (as listed below) may be used, but they have not been certified; therefore, performance, page layout, and formatting may be compromised.

- Microsoft Internet Explorer versions 10 and 11
- Mozilla Firefox version 42+

Supported Upgrade Path

All customers currently on DataRaker V2 and 3.7 will be automatically upgraded to Release 3.8.0.4.0. The migration priority will be based data volume, processing needs, and promised module features.

Manual and Automated Testing

The Oracle quality assurance (QA) team is manually testing the new features within DataRakerRelease 3.8.0.4.0. In addition, the QA team has automated the testing process for specific aggregation core calculation processes; automated user interface (UI) testing has begun.

Regression Testing

Automated Regression Testing (ART) was not performed. Some manual regression testing of the product, however, was completed by the development, data scientists, and implementation teams.

Performance Testing

A meter performance test (of 4.5 million devices) was completed in July 2015. In addition, a corresponding White Paper was published in August 2016 listing the performance and scalability results.

As part of the performance test, we verified performance within the following steps:

- Data loading
- Core calculations
- Data aggregation
- Export
- User interface advanced filtering

After this test, performance recommendations were provided to the DataRaker team. These recommendations have been reviewed, developed, and implemented within DataRakerRelease 3.8.0.4.0. The initial results show that performance has been significantly enhanced. We will perform another in-depth performance test and publish it findings as well.

Known Issues

DataRakerRelease 3.8.0.4.0 is currently missing the following functionality that was available in V2:

- Functions (such as, greater than and less than) are not available. Users can, however, achieve the same result by setting a start and end values. This functionality will be restored once the filter editor has been migrated from Python to Java.
- Drag and drop capability within the Calc XML Editor has not been implemented.

Demo Data Information

Additional data for transformers, meters, feeders, and connectivity models have been uploaded to the demo server. This data provides the ability to demonstrate and view the features that were implemented in Release 3.8.0.4.0. This static data is the same that is used within MDM and CCB's demo environment; therefore, allowing integration use cases to be shown.

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Screen readers may not always correctly read the code examples in this document. The conventions for writing code require that closing braces should appear on an otherwise empty line; however, some screen readers may not always read a line of text that consists solely of a bracket or brace.

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