

Oracle Utilities Analytics Warehouse

Release Notes

Release 2.8.0.2.0

F90724-04

December 2023
(Updated July 2024)

Oracle Utilities Analytics Warehouse Release 2.8.0.2.0 Release Notes

F90724-04

Copyright © 2000, 2024 Oracle and/or its affiliates.

Contents

| | |
|---|------------|
| Preface | i |
| Audience | ii |
| Documentation Accessibility | ii |
| Related Documents | ii |
| Conventions..... | iii |
| Acronyms..... | iii |
| | |
| Chapter 1 | |
| Release Notes | 1-1 |
| What's New in this Release | 1-2 |
| Support for Overlapping/Concurrent Storms for Oracle Utilities Network Management System..... | 1-2 |
| Account Dimension Design Changes for Oracle Utilities Network Management System | 1-3 |
| Support for Database Time Zone Change to UTC in Oracle Utilities Network Management System | 1-3 |
| Support for Char Semantic Database..... | 1-3 |
| Removal of Dashboard Components Installation from Oracle Utilities Analytics Warehouse Installation | 1-4 |
| Updated Supported Platforms | 1-4 |
| Updated Supported Source Application Versions | 1-4 |
| Updated Supported Upgrade Paths..... | 1-4 |
| Recommended Hardware..... | 1-4 |
| RAM Requirements | 1-4 |
| Disk Space Requirements | 1-4 |
| Supported Platforms Notice | 1-5 |
| Supported Source Application Versions | 1-6 |
| Supported Upgrade Paths..... | 1-6 |
| Demo Data Information | 1-6 |
| Known Issues | 1-7 |
| Bug Fixes..... | 1-7 |
| Product Documentation | 1-8 |

Preface

Welcome to Oracle Utilities Analytics Warehouse Release Notes. This release notes provides an overview of new (and/or enhanced) functionality and known issues in Oracle Utilities Analytics Warehouse V2.8.0.2.0.

The preface includes the following:

- [Audience](#)
- [Documentation Accessibility](#)
- [Related Documents](#)
- [Conventions](#)
- [Acronyms](#)

Audience

This Release Notes is intended for anyone installing or using Oracle Utilities Analytics Warehouse V2.8.0.2.0.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the [Oracle Accessibility Program](#) website.

Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For more information, visit [My Oracle Support](#) or [Oracle Accessibility Learning and Support](#) if you are hearing impaired.

Related Documents

Refer to the [Oracle Utilities Analytics Warehouse Installation and Configuration Checklist](#) for high-level steps to install and configure the Oracle Utilities Analytics Warehouse product. **Note** that this checklist includes information for 2.8.0.2.0.

The following documentation is included in this release.

Installation, Administration, and Release Notes

- *Oracle Utilities Analytics Warehouse Release Notes*
- *Oracle Utilities Analytics Warehouse Getting Started Guide*
- *Oracle Utilities Analytics Warehouse Licensing Information User Manual*
- *Oracle Utilities Analytics Warehouse Installation and Configuration Guide*
- *Oracle Utilities Analytics Warehouse Quick Install Guide*
- *Oracle Utilities Analytics Warehouse Developer's Guide*

Metric Reference Guides

Refer to the [Oracle Utilities Analytics Warehouse](#) documentation on Oracle Help Center for details about the metric reference guides included in this release.

Data Mapping Guides

Refer to the [Oracle Utilities Analytics Warehouse](#) documentation on Oracle Help Center for details about the data mapping guides included in this release.

Conventions

The following text conventions are used in this document:

| Notation | Indicates |
|-----------------|--|
| boldface | Graphical user interface elements associated with an action, terms defined in text, or terms defined in the glossary |
| <i>italic</i> | Book titles, emphasis, or placeholder variables for which you supply particular values |
| monospace | Commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter |

Acronyms

The following terms are used in this document:

| Term | Expanded Form |
|------|--------------------------------------|
| OUAW | Oracle Utilities Analytics Warehouse |
| ODI | Oracle Data Integrator |
| OAS | Oracle Analytics Server |

Chapter 1

Release Notes

This release notes is applicable to Oracle Utilities Analytics Warehouse V2.8.0.2.0. It focuses on the following:

- [What's New in this Release](#)
- [Recommended Hardware](#)
- [Supported Platforms Notice](#)
- [Supported Source Application Versions](#)
- [Supported Upgrade Paths](#)
- [Demo Data Information](#)
- [Known Issues](#)
- [Bug Fixes](#)
- [Product Documentation](#)

For more information, see the Oracle Utilities Analytics Warehouse documentation available on Oracle Help Center at: <https://docs.oracle.com/en/industries/energy-water/analytics/index.html>

Have a question? Contact your Delivery Team or visit [My Oracle Support](#).

What's New in this Release

This section describes the features and improvements in Oracle Utilities Analytics Warehouse. The following topics introduce the new and enhanced features of Oracle Utilities Analytics Warehouse in this release, and other significant changes in the documentation.

- [Support for Overlapping/Concurrent Storms for Oracle Utilities Network Management System](#)
- [Account Dimension Design Changes for Oracle Utilities Network Management System](#)
- [Support for Database Time Zone Change to UTC in Oracle Utilities Network Management System](#)
- [Support for Char Semantic Database](#)
- [Removal of Dashboard Components Installation from Oracle Utilities Analytics Warehouse Installation](#)
- [Updated Supported Platforms](#)
- [Updated Supported Source Application Versions](#)
- [Updated Supported Upgrade Paths](#)

Support for Overlapping/Concurrent Storms for Oracle Utilities Network Management System

In Oracle Utilities Analytics Warehouse V2.8.0.2.0, the Extractors and Schema for Oracle Utilities Network Management System have been enhanced to provide the ability to store information for multiple overlapping/concurrent storms in the star schema. Starting V2.6.0.0.0, Oracle Network Management System provides the ability to store concurrent/overlapping storms (limited to three overlapping storms).

Oracle Utilities Analytics Warehouse versions prior to 2.8.0.2.0 supported the reporting of one storm only. Starting V2.8.0.2.0, Oracle Utilities Analytics Warehouse will have two additional keys to store the second and third storm information, thus enabling the reporting of three storms for an outage.

The following star schemas have been modified in V2.8.0.2.0 to incorporate these new storm keys:

- Damage Assessment
- Damage Assessment Detail
- Crew
- Recent Crew
- Job
- Recent Job
- Customer Outage
- Recent Customer Outage
- Call

-
- Recent Call
 - Crew Activity
 - Storm

As of V2.8.0.2.0, the Outage Analytics RPD file has been modified to support the reporting of the second and third storms.

For more information, refer to the [Oracle Utilities Extractors and Schema for Oracle Utilities Network Management System Data Mapping Guide](#) included in this release.

Account Dimension Design Changes for Oracle Utilities Network Management System

In Oracle Utilities Analytics Warehouse V2.8.0.2.0, the Oracle Utilities Extractors and Schema for Oracle Utilities Network Management System have been enhanced to source data from NMS_ACCOUNTS_HISTORY table in the source database for the loading of Account dimension (CD_ACCT). This table stores data at an account level and populating the dimension from this table will ensure the granularity of the dimension is maintained at an Account level. This table has been made available starting Oracle Utilities Network Management System V2.4.0.1.3.

Hence, customers implementing Oracle Utilities Analytics Warehouse V2.8.0.2.0 with Oracle Utilities Network Management System versions 2.4.0.1.3 and above will now be able to populate the dimension from the NMS_ACCOUNTS_HISTORY table. Customers with Oracle Utilities Network Management System version prior to V2.3.0.2.0 **can continue** to load the dimension from the CES_CUSTOMERS_HISTORY table.

For more information, refer to the [Oracle Utilities Extractors and Schema for Oracle Utilities Network Management System Data Mapping Guide](#) included in this release.

Refer to the [Oracle Utilities Analytics Warehouse](#) documentation on Oracle Help Center for more details.

Support for Database Time Zone Change to UTC in Oracle Utilities Network Management System

Starting V2.6.0.0.0, Oracle Utilities Network Management System stores data in UTC time zone in the database. The source application can continue to remain in the customer's time zone. The Oracle Utilities Analytics Warehouse Extractors and Schema for Oracle Utilities Network Management System have been modified to support this change of the source database's time zone to UTC, by converting data to customer's time zone at the time of data load. The Oracle Utilities Analytics Warehouse installation can thus continue to remain in the customer's time zone. This change will also support Oracle Utilities Network Management System versions prior to 2.6.0.0.0.

For more information, refer to the [Oracle Utilities Extractors and Schema for Oracle Utilities Network Management System Data Mapping Guide](#) included in this release.

Refer to the [Oracle Utilities Analytics Warehouse](#) documentation on Oracle Help Center for more details.

Support for Char Semantic Database

Starting Oracle Utilities Analytics Warehouse V2.8.0.2.0, target database can be configured as CHAR semantic. This will help customers in configuring data loads in languages other than English. The existing customers with BYTE semantic configuration can continue to remain with the same configuration.

Removal of Dashboard Components Installation from Oracle Utilities Analytics Warehouse Installation

Starting Oracle Utilities Analytics Warehouse V2.8.0.2.0, installation of dashboard components using the Oracle Utilities Analytics Warehouse installer has been deprecated.

Dashboard components are no longer part of the Oracle Utilities Analytics Warehouse installer jar and are shipped in a separate package, “Oracle Utilities Analytics Warehouse 2.8.0.2.0 Dashboard Component.zip”.

For information about installing the dashboard components, refer to [Install Dashboards Component](#) section in [Oracle Utilities Analytics Warehouse Installation and Configuration Guide](#).

Updated Supported Platforms

See the [Supported Platforms Notice](#) section.

Updated Supported Source Application Versions

See the [Supported Source Application Versions](#) section.

Updated Supported Upgrade Paths

See the [Supported Upgrade Paths](#) section.

Recommended Hardware

This section focuses on the hardware requirements that are necessary to install Oracle Utilities Analytics Warehouse.

RAM Requirements

Make sure that your system meets the following recommended RAM requirements.

| | |
|-----------------|---------------|
| Minimum RAM | 28 GB |
| Recommended RAM | 32 GB or more |

Swap the space allocation relative to RAM space. It is better to have half of the RAM size as Swap space.

Note: These are the minimum recommendations, but this can be increased if RAM and Swap space are required to improve or enhance the Oracle Utilities Analytics Warehouse performance.

Disk Space Requirements

Installing Oracle Utilities Analytics Warehouse may require the following disk space:

- 20 GB of free space for the Oracle Utilities Analytics Warehouse software files on the file system.
- Terabytes of free space for Oracle Utilities Analytics Warehouse tablespaces (increase the size as per the number of source connections).

Supported Platforms Notice

On the server side:

| Operating System (Server) | FMW App Server | JDK | Oracle Database | Oracle Analytics Server | Oracle Data Integrator (ODI) | Apex | Oracle Golden Gate | Oracle GoldenGate Monitoring Agent | Oracle REST Data Service |
|---------------------------------------|---------------------|---------------------------|-------------------------|--|------------------------------|------|--------------------|------------------------------------|--------------------------|
| Oracle Linux 7.x, 8.x (64-bit) | WebLogic 12.2.1.4.0 | JDK8 8u391 | Enterprise Edition 19.x | 7.0 (2023) | 12.2.1.4 | 22.1 | 19.1.0.0 | 12.2.1.2 | 21.1.3 |
| IBM AIX 7.2 On POWER Systems (64-bit) | | (For AIX) 1.8.0 SR8 FP11+ | Client for Linux 19 | (Note that this component installation is not supported on AIX and Solaris.) | | | | | |
| Oracle Solaris 11.4 on SPARC (64-bit) | | | | | | | | | |

Oracle Analytics Server 7.6.0 (OAS 2024) are now certified with Oracle Utilities Analytics Warehouse 2.8.0.2.0. The table below shows the FMW Application Server and JDK versions required for Oracle Analytics Server 7.6.0.

| FMW Application Server | JDK | Oracle Analytic Server |
|------------------------|-----------|------------------------|
| WebLogic 12.2.1.4 | 1.8.0_411 | OAS 7.6.0 |

Note that the customers installing Oracle Utilities Analytics 2.8.0.2.0 with Oracle Analytics Server 7.6.0 for the first time must follow the steps mentioned in the [Install Dashboards Component](#) section in [Install and Configure Oracle Utilities Analytics Warehouse](#).

For existing customers that are on Oracle Utilities Analytics Warehouse 2.8.0.2.0 to update to Oracle Analytics Server 7.6.0, follow the upgrade

instructions described in the [Upgrading to the Latest Release of Oracle Analytics Server](#) section in the Oracle Analytics Server documentation.

For information about the required patch details, refer to the [Perform Pre-Installation Steps for OUAW](#) section in [Oracle Utilities Analytics Warehouse Installation and Configuration Guide](#).

On the client side:

| Client Operating System | Browser Versions |
|-------------------------|------------------------------|
| Windows 10 (64-bit) | Microsoft Edge 120.0.2210.77 |
| | Mozilla Firefox 121.0 |
| | Google Chrome 120.0.6099.109 |

For the latest system requirements and supported platforms details, refer to the knowledge article [Certification Matrix for Oracle Utilities Products \(Doc ID 1454143.1\)](#) available on [My Oracle Support](#).

Note that Windows operating system for server is no longer supported.

For an updated list of supported platforms, refer to the [System Requirements and Supported Platforms](#) section in [Oracle Utilities Analytics Warehouse Installation and Configuration Guide](#) included in the [Oracle Utilities Analytics Warehouse](#) documentation.

Supported Source Application Versions

The following source application versions are supported in this Oracle Utilities Analytics Warehouse release:

| Source Application | Version |
|-----------------------------|---|
| Customer Care and Billing | 2.9.0.1.1 |
| Customer to Meter | 2.9.0.1.1 2.8.0.0.0 |
| Network Management System | 2.6.0.1.1 2.6.0.1.0 2.6.0.0.1 2.6.0.0.0 2.5.0.0.0 |
| Work and Asset Management | 2.4.0.1.0 |
| Meter Data Management | 2.5.0.1.1 |
| Mobile Workforce Management | 2.3.0.3.0 2.2.0.x |

For latest edge application version details, refer to the knowledge article [Certification Matrix for Oracle Utilities Products \(Doc ID 1454143.1\)](#) available on [My Oracle Support](#).

Supported Upgrade Paths

The following upgrade paths are available for Oracle Utilities Analytics Warehouse in this release:

- V2.7.0.1.3 to V2.8.0.2.0
- V2.7.0.2.1 to V2.8.0.2.0
- V2.8.0.0.1 to V2.8.0.2.0
- V2.8.0.1.2 to V2.8.0.2.0

For more information about upgrade steps, refer to the [Oracle Utilities Analytics Warehouse Installation and Configuration Guide](#) included in the [Oracle Utilities Analytics Warehouse](#) documentation.

Demo Data Information

The Oracle Utilities Analytics Warehouse V2.8.0.2.0 demo database contains sample data based on the application versions provided with this release.

Demo data provides sample configuration and data for key application features. It is delivered as part of the base installation. Refer to the [Install and Configure Oracle Utilities Analytics Warehouse With Demo Data](#) section in the [Oracle Utilities Analytics Warehouse Installation and Configuration Guide](#) included in the [Oracle Utilities Analytics Warehouse](#) documentation for more information or contact [My Oracle Support](#).

Oracle recommends that you do not clone the demonstration environment as a basis for a new production environment. The demonstration environment typically includes transactional data that will be irrelevant to your production environment and can cause unexpected issues if it is not purged correctly. The recommended process is to start a new production environment from a new installation and migrate “clean” system data (such as business objects and algorithms) and administrative data from the demonstration and/or test or development environments as applicable.

Known Issues

There are no known issues at the time of this Oracle Utilities Analytics Warehouse release.

Bug Fixes

The following bugs from previous Oracle Utilities Analytics Warehouse releases have been fixed in V2.8.0.2.0:

| Bug Number | Description |
|------------|--|
| 36043358 | Staging tables not being purged after X days |
| 35884899 | CF_OUTG_HIST initial load failing with UK constraint violation |

| Bug Number | Description |
|------------|---|
| 35570111 | CF_SERVICE_HIST job going into error as Crew_ID is not a key |
| 35469626 | Issue with CD_USER mapping |
| 35121200 | CD_EVENT is not updating OUAW when users update NMS data after the event is loaded into OUAW |
| 34896707 | ODI job B1_PKG_CF_DEVICE_EVT is stuck in step update US_ID_CCB in DWSTAGE.B1_F_DEVICE_EVT_AGG |
| 36093831 | Time zone changes for OUAW 2.8.0.2 codeline |
| 36097751 | Provision of MERGED_EVENTS table from NMS versions starting 2.6.0.0 in OUAW replication |

Refer to the product fix design documents provided in the **Oracle Utilities Analytics Warehouse v2.8.0.2 PFDs.zip** file for detailed information about the respective bugs.

Important! Please note that the “Oracle Utilities Analytics Warehouse v2.8.0.2 PFDs.zip” file is part of the Oracle Utilities Analytics Warehouse Documentation 2.8.0.2.0 package.

You can view the product fix design documents in either of the following ways:

- In a browser by using the HTML-based files.
 - a. Copy the “css”, “html”, “images”, and “bug-pfds-2.8.0.2.0.html” files to a local directory.
 - b. Select and open the “bug-pfds-2.8.0.2.0.html” file to access the Home page.

You can view the list of bugs and the respective links to the product fix design documents.
- Using the **bug-pfds-2.8.0.2.0.csv** file. Import the content of the csv file. It contains one row for each bug, and each column contains the same fields that are shown in the HTML-based files.

Product Documentation

The complete Oracle Utilities Analytics Warehouse documentation set is available on Oracle Help Center at: <https://docs.oracle.com/en/industries/energy-water/analytics/index.html>