

Oracle Utilities Network Management System

Release Notes

Release 2.3.0.2.0

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Preface

These release notes provide an overview of the features in Oracle Utilities Network Management System Version 2.3.0.2.0.

This preface contains these topics:

- **Audience**
- **Related Documents**

Audience

Oracle Utilities Network Management System Release Notes is intended for anyone installing or using Oracle Utilities Network Management System Version 2.3.0.2.0.

Related Documents

For more information, see these Oracle documents:

- *Oracle Utilities Network Management System Adapters Guide*
- *Oracle Utilities Network Management System Configuration Guide*
- *Oracle Utilities Network Management System Quick Install Guide*
- *Oracle Utilities Network Management System Installation Guide*
- *Oracle Utilities Network Management System Licensing Information User's Guide*
- *Oracle Utilities Network Management System User's Guide*
- *Oracle Utilities Network Management System Operations Mobile Application Installation and Deployment Guide*
- *Oracle Utilities Network Management System OMS for Water User's Guide*

Release Notes

- **Enhancements in Version 2.3.0.2.0**
- **Upgrading to Oracle Utilities Network Management System V2.3.0.2.0**
- **Trademarks**

Enhancements in Version 2.3.0.2.0

New and enhanced features in Oracle Utilities Network Management System Version 2.3.0.2.0.

AMI INTEGRATION

Support AMI Voltage to Determine Power On/Off Status

Some utilities have multi-phase meters—especially in downtown mesh networks. A conventional meter power status ping only indicates that the meter has power, but not whether all phases have power. This new feature leverages the NMS capability to do on-demand reads (ODR), use per-phase voltage data to form a more accurate picture of meters where one or two phases/legs may not have power.

Add AMI Voltage History option to AMI Customers

This feature allows an NMS user to view the AMI Voltage History for the selected customer meter row in the AMI Customers table (similar to the existing AMI Power History option).

Display Nominal Voltages on AMI Customers List

This feature adds a new Nominal column next to the Voltage column in the AMI Customers table, so a user can easily compare the last reported voltages to what is nominal for that meter. This can help in identifying power quality issues.

AVAILABILITY

Improve NMS Startup Time

A number of changes were made to decrease the time needed to start up NMS. One of the key changes allows deployment and startup of the WebLogic Server concurrently while starting the NMS services, rather than waiting until after NMS services have come up. This should result in improved NMS availability by decreasing downtime during patching or other occasions when NMS services must be started.

DISTRIBUTED ENERGY RESOURCE MANAGEMENT SYSTEM (DERMS)

DERMS Forecast Adapter

This is an adapter that will allow for communication between a customer DERMS and the Oracle NMS such that DER forecast information from the DERMS can be utilized in NMS power flow solutions.

DERMS Dashboard

This dashboard gives an overview of Distributed Energy Resource current and forecasted output. The user now has visibility to the output summarized at a system level, weather zones, and an individual unit level. For weather zones, the user can drill into the data and see details of the weather forecast that is driving which profile power flow is utilizing in current and forecasted solutions.

FAULT LOCATION, ISOLATION, AND SERVICE RESTORATION (FLISR)

FLISR Performance Enhancements

FLISR has been enhanced to process solutions in parallel by utilizing multiple processor threads.

OPERATIONS MOBILE APPLICATION (OMA)

Re-Login While Offline

Field applications on smart devices may be used in areas where there is no network access or intermittent network access. This is especially true when it is needed for performing damage assessment and communication networks may be impacted. This new feature allows the last user who had logged into OMA on the device to re-login if the device is offline. The user would be able to view the last downloaded set of maps, tasks, switching sheets, and so on.

Ability to Update and Complete Events While Offline

Crews may work in a location without network coverage. This feature allows OMA users to do some work offline by updating and/or completing events. Event updates, such as ERTs, comments, event details selections, and event completion actions performed by the user, are stored on the offline device, and then uploaded to the NMS server when the OMA app comes back online (store-and-forward).

POWER FLOW (PF)

Extend Weather Adapter to Process Data From Any Weather Source

A generic weather data adapter has been added that supports data import from a CSV file or from a database table. This will reduce the effort that is required for a project to integrate an alternative weather feed (instead of NOAA). NMS will continue to support the preexisting NOAA import facility.

PRIVACY

Ability to Obfuscate Personally Identifiable Information (PII)

The European General Data Protection Regulation (GDPR) requirements mandate that there be an ability for people to have their personally identifiable information (PII), such as name, address, phone number, *etc.*, deleted or obfuscated when it is no longer needed to support them as an active customer or employee. This feature provides programs that can be run against an NMS database

to obscure the PII for a customer account or crew ID, or for any data older than a certain threshold.

SCADA INTEGRATION

NMS - OSI monarch SCADA Integration

This service pack provides the initial release of the productized Oracle NMS adapter to OSI's monarch Distribution SCADA (D-SCADA). The integration includes:

- Analog and digital measurements and statuses sent from OSI SCADA to Oracle NMS.
- Tags sent from Oracle NMS to OSI SCADA and vice versa.
- Controls sent from Oracle NMS to OSI SCADA.
- Navigation from Oracle NMS to OSI SCADA Trends, Alarms, and Summary displays.
- Navigation from OSI SCADA to NMS SCADA Summary and Viewer.

SECURITY

Support Two-Factor Authentication (2FA)

This feature adds the option to require two-factor authentication when logging into NMS. After the initial login validation, the system would display an additional dialog to have the user request a security code be sent via email or text. Once received, the user would need to enter that time-limited security code to complete the login process for that session.

WEB TROUBLE (WT)

Allow Assigning or Changing of Fuzzy Events to a Control Zone

This feature allows a utility to better deal with high volumes of “fuzzy” events by enabling someone to assign them to the proper control zone for follow-up. The Associate Event option that allows assignment of a fuzzy event to a device now also allows assignment of the event to a selected control zone. This assignment can be done when the event was either not assigned to a control zone or incorrectly assigned to a control zone. Allowing this assignment or correction will, in turn, make the fuzzy event visible to the correct operator subscribed to that lower-level control zone.

Upgrading to Oracle Utilities Network Management System V2.3.0.2.0

The upgrade path to Oracle Utilities Network Management System V2.3.0.2.0 is a complete delivery of new binaries, libraries, and configuration files. There are identified migrations based upon your previous version of Oracle Utilities Network Management System, if any.

For details on supported platforms, refer to the installation documentation shipped with Oracle Utilities Network Management System V2.3.0.2.0.

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