

**Oracle Utilities Distributed Grid
Management**

Release Notes

Release 2.0.0.2

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Oracle Utilities Distributed Grid Management Release Notes, Release 2.0.0.2

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Release Notes

These release notes include the following topics::

- **Preface**
- **Features in this Release**

Preface

Audience

This document is intended for anyone installing or using the Oracle Utilities Distributed Grid Management System.

Related Documents

See the following Oracle documents for additional information:

- *Oracle Utilities Distributed Grid Management Quick Install Guide*
- *Oracle Utilities Distributed Grid Management Installation and Configuration Guide*
- *Oracle Utilities Distributed Grid Management User's Guide*

Features in this Release

This section describes the features in Oracle Utilities Distributed Grid Management System Release 2.0.0.2

Advanced Resource Scheduling

- Advanced resource scheduling is an enhancement to the Generation Scheduling functionality, which was first introduced in Oracle Utilities Distributed Grid Management Release 2.0.0.1. Advanced resource scheduling optimizes not only generating units, but also energy storage devices, such as batteries.

Short Term Resource Optimization

- The optimization calculations have been modified to support short term resource optimizations to improve the results of long term resource scheduling. These calculations provide long term resource scheduling with more accurate information about current and near future load conditions. The short term resource optimization also optimizes resources in smaller time increments (*i.e.*, one minute, five minutes, or ten minutes). This provides intermediate control commands in addition to the hourly commands available from resource scheduling.

The short term resource optimization also ensures that there is enough reserve available. If available reserve drops below the required reserve, the short term optimization economically starts available offline resource.

Planned Islanding

- Oracle Utilities Distributed Grid Management provides planned islanding functionality that allows user to plan to isolate the microgrid from the main grid. In islanded mode, one or more Distributed Energy Resources perform the task of frequency control and regulation. The islanding event can be scheduled for a specific duration.

Configurable System Modes

- System modes determine what *device actions* and *optimizations* occur when that mode is active. The Manager's configuration file defines the available system modes and the default mode, which is active when the system starts. The standard System Modes included with Oracle Utilities Distributed Grid Management are:
 - **Manual:** All functionality is enabled, but device actions require user permission to be executed. This is the default mode.
 - **Full Functionality:** This is a fully automatic mode where all functionality is enabled and device actions are executed automatically without need for user intervention.
 - **No Optimization:** All optimization functions are disabled.
 - **Constant Energization:** Device actions are not allowed.
 - **Monitor Only:** Device actions are not allowed; optimization is disabled.

Multi-Language Support

- Oracle Utilities Distributed Grid Management now supports multi-language capabilities. This release supports English and Chinese.