

# **Oracle Real-Time Scheduler**

Release Notes

Release 2.1.0.1

**E26598-02**

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Oracle Real-Time Scheduler Release Notes

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# Preface

These release notes provide an overview of Oracle Real-Time Scheduler Release 2.1.0.x.

This preface contains these topics:

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

## Audience

Oracle Real-Time Scheduler Release Notes is intended for anyone installing or using Oracle Real-Time Scheduler Release 2.1.0.x.

## Related Documents

For more information, see these Oracle documents:

- *Oracle Real-Time Scheduler Quick Install Guide*
- *Oracle Real-Time Scheduler Installation Guide*
- *Oracle Real-Time Scheduler Database Administrator's Guide*

## Conventions

The following text conventions are used in this document:

<b>Convention</b>	<b>Meaning</b>
<b>boldface</b>	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

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## Release Notes

These release notes contain the following sections:

- **About This Document**
- **About This Release**
  - **Oracle Real-Time Scheduler 2.1.0 Overview**
  - **Separately Downloaded Components and Data**
  - **Unsupported Framework Technology**
- **Enhancements**
- **Known Issues**
- **Installation Information**
- **Demo Data Information**

## About This Document

These notes pertain to the standalone use of the Oracle Real-Time Scheduler and not to installations that include Oracle Utilities Mobile Workforce Management (MWM). If MWM is being used, please refer to the Release Notes for MWM rather than this document.

## About This Release

This section contains general information about this release of Oracle Real-Time Scheduler. Refer to the quick install guide and installation guide for information regarding supported platforms and installation steps.

Please visit My Oracle Support (<http://support.oracle.com>) for the most recent service packs and patches for this release to ensure you have the most current version of this product.

## Oracle Real-Time Scheduler 2.1.0 Overview

This release of Oracle Real-Time Scheduler includes major changes to much of the application technology and the addition of many features which are summarized below:

- Introduction of a browser-based user interface.
- Redevelopment of most server components to use the Oracle utilities application framework.
- Addition of an integrated mobile communications platform which may be optionally licensed to display and capture field work information.

Oracle Real-Time Scheduler shares many components with Oracle Utilities Mobile Workforce Management (MWM) but does not require that MWM be installed.

## Separately Downloaded Components and Data

Additional components and data are available that complement this release of Oracle Real-Time Scheduler. These are released separately and have documentation that is included with those distributions.

- Demo data is posted separately along with installation instructions. For more information including download instructions please contact My Oracle Support and reference bug number 13619121. For additional information see **Demo Data Information** on page 1-5.
- In addition to the demo data distribution, geographic mapping data is required for the demo data to work properly and is also useful for general purpose system use. Mapping data is a valuable product offering by many vendors and Oracle cannot redistribute such data with this release. However, Oracle has arranged with a valued partner, NAVTEQ, to make an appropriate dataset available for our customers to download. This data includes detailed maps of the Cleveland, Ohio, USA region and is the geographic information referenced in the demo data. For more information including how to download this data from NAVTEQ please contact My Oracle Support and reference bug number 9637570 or see MWM v2.0 NAVTEQ Mapping Demo Data Download Instructions (Doc ID 1335703.1).
- To develop and package Java-based customizations, Oracle provides a Standard Development Kit (SDK). For more information, including download instructions, please contact My Oracle Support and reference bug number 12636661.

## Unsupported Framework Technology

Oracle Real-Time Scheduler 2.1.0 does not support certain technology which may be delivered along with the Oracle utilities application framework. This technology is documented here so that customers will not utilize and depend upon these technologies when they do not align with the expected future direction of Oracle Real-Time Scheduler. Despite the fact that these technologies



exist, customers should not use them as part of their implementation and should not expect support if they do so. These technologies are:

- **COBOL interoperability.** Oracle Real-Time Scheduler contains no COBOL and there is no expectation that necessary runtime components for COBOL execution exist in a mobile workforce management installation. We expect our customers will not extend Oracle Real-Time Scheduler using COBOL.

## Enhancements

This section describes new features and enhancements in Oracle Real-Time Scheduler 2.1.0.1.

### Depot Cutoffs

To allow time for depot runs to be picked, the runs must be closed as early as is necessary to pick and load Vehicles in time for their planned departure. The closing of runs and the setting of the earliest departure of open runs is the “Cutoff” process. This process allows a schedule to be partly locked down. You should ensure that the runs being picked are not changed. The scheduler will ensure all new runs are planned to depart from a depot after the earliest departure time.

## Known Issues

This section describes known issues in Oracle Real-Time Scheduler 2.1.0.1 at the time of release. Single fixes for these issues will be released at a later date. This section includes the following topics:

- **Service Management**
- **Common Dispatcher Interface**
- **Other Known Issues**

### Service Management

#### Issue with Dispatching Break Tasks

A Break task will not be dispatched to a MDT laptop client if the Scheduler Real Time configuration has ‘Break Dispatch Mode’ set to ‘Horizon’. The workaround is to set ‘Break Dispatch Mode’ to ‘Advance’ in the Scheduler Configuration’s Real Time zone. The Break task will then get dispatched. (Bug number 13322884)

### Common Dispatcher Interface

#### Issue with Zones Refreshing

Auto-refresh zones, including the Alert Zone, do not get refreshed even though the auto-refresh interval has been set. The workaround is to specify different refresh intervals for Alert Zone, Backup Alert Zone, and Mail Summary in the Portal Preferences for the affected users. A difference of 1 second is enough to fix the issue. (Bug number 13456175)

### Other Known Issues

#### Issue with Browser Freezing

The application browser freezes if an invalid date is entered while searching for activities. When searching for an activity through the search activity UI, if user enters an invalid date (for example, “33-33-2011”) and hits the enter key the browser freezes. The user must then refresh the browser. (Bug number 13012194)

### **Standalone ORS Documentation Update for 2.1.0, Service Pack 1**

The documentation for Oracle Real-Time Scheduler 2.1.0.1 (2.1.0 service pack 1) has been updated and will be posted for downloading. This documentation will be for standalone Oracle Real-Time Scheduler installations, and not Oracle Utilities Mobile Workforce Management installations. (Bug number 13718392)

## **Installation Information**

This section describes changes in the installation process.

### **Oracle Location Service (elocation)**

To download the latest elocation.ear, log on to My Oracle Support at support.oracle.com and download Patch 13446793, "SPATIAL elocation for Mobile Workforce Management Release 12."

## **Common Batch Scheduler Tasks**

In addition to using the spl.sh script to start and stop batch scheduler, you can use the batchscheduler script as shown in the following procedures:

#### **To Stop the Scheduler:**

##### **Unix:**

```
cd $SPLEBASE  
batchscheduler.sh stop
```

##### **Windows:**

```
cd %SPLEBASE%  
batchscheduler.cmd stop
```

#### **To check the status of Scheduler:**

##### **Unix:**

```
cd $SPLEBASE  
batchscheduler.sh check
```

##### **Windows:**

```
cd %SPLEBASE%  
batchscheduler.cmd check
```

## Demo Data Information

The Oracle Real-Time Scheduler 2.1.0.1 demo database contains the same demo database as released with 2.1.0. This database contains sample data based on the application versions provided with that release, including:

- Oracle Utilities Application Framework 4.1.0
- Oracle Real-Time Scheduler 2.1.0

Please do not install the Oracle Real-Time Scheduler demo database and then attempt to install an Oracle Utilities Mobile Workforce Management demo database into the same environment. One environment may only contain either ORS or MWM demo data.

Demo data is posted separately along with installation instructions. For more information including download instructions please contact My Oracle Support and reference bug number 13619121.

