

Oracle Real-Time Scheduler

Quick Install Guide

Release 2.1.0 Service Pack 5

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Preface

This guide provides an overview of installing Oracle Real-Time Scheduler.

Audience

This guide is intended for anyone interested in the process of installing Oracle Real-Time Scheduler.

Related Documents

For more information, see these Oracle documents:

Installation, Configuration and Release Notes

- *Oracle Real-Time Scheduler V2.1.0.5 Release Notes*
- *Oracle Real-Time Scheduler V2.1.0.5 Quick Install Guide*
- *Oracle Real-Time Scheduler V2.1.0.5 Installation Guide*
- *Oracle Real-Time Scheduler V2.1.0.5 DBA Guide*
- *Oracle Real-Time Scheduler V2.1.0.5 Configuration Guide*

User Guides

- *Oracle Real-Time Scheduler V2.1.0.5 Server Application User Guide*
- *Oracle Real-Time Scheduler V2.1.0.5 Mobile Application User Guide*

Map Editor Installation and User Guides

- *Oracle Real-Time Scheduler V2.1.0.5 Map Editor User Guide*
- *Oracle Real-Time Scheduler V2.1.0.5 Map Editor Installation Guide*

Framework Guides

- *Oracle Utilities Application Framework V4.1.0 Business Process Guide*
- *Oracle Utilities Application Framework V4.1.0 Administration Guide*

Supplemental Documents

- *Oracle Real-Time Scheduler V2.1.0.5 Server Administration Guide*
- *Oracle Real-Time Scheduler V2.1.0.5 Batch Server Administration Guide*

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	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.

Installation Overview

This document provides a high-level overview of the installation steps for Oracle Real-Time Scheduler 2.1.0 Service Pack 5 and selected additional software.

Note: This service pack is intended to be installed on top of an existing Oracle Real-Time Scheduler installation. Please refer to the installation guide chapter titled “Installing Service Packs” for information on installing this service pack.

For frequently asked questions and troubleshooting information during installation of the application and database components of Oracle Real-Time Scheduler, refer to article 1487259.1 on My Oracle Support.

Oracle Real-Time Scheduler Media Pack Contents

The Oracle Real-Time Scheduler Media Pack consists of the following packages:

- Oracle Real-Time Scheduler Release Notes
- Oracle Real-Time Scheduler Quick Install Guide
- Oracle Real-Time Scheduler Install Documentation
- Oracle Real-Time Scheduler User Documentation
- Oracle Real-Time Scheduler Supplemental Documentation
- Oracle Utilities Application Framework V4.1.0 Multiplatform
- Oracle Utilities Application Framework V4.1.0 Single Fix Prerequisite Rollup for Oracle Real-Time Scheduler V2.1.0
- Oracle Real-Time Scheduler V2.1.0 Multiplatform
- Mobile Communication Client V2.1.0 for Windows
- Mobile Communication Client V2.1.0 for Windows Mobile
- Mobile Communication Client V2.1.0 for Android
- Oracle Real-Time Scheduler V2.1.0 Oracle Database

Components for Oracle Real-Time Scheduler

The system includes the following components:

- All application processes and HTML/JSP pages that make up the user interface
- This Installation Guide, which describes the installation/upgrade process
- The latest User Documentation
- Release Notes describing functional changes for this version
- Database installation
- Data Dictionary
- System Table Guide
- XAI Client Software

Network Environment Overview

The application is split into multiple tiers:

Tier 1: Browser-Based Client

The central facility in the Oracle Real-Time Scheduler browser-based client is Internet Explorer.

Operating System: Windows XP, Windows 7

The following Operating System / Web Browser software is supported:

- Windows XP SP3 or higher with Internet Explorer 7.x or 8.x
- Windows 7 with Internet Explorer 8.x

Tier 2: Mobile Client

This release of Oracle Real-Time Scheduler supports the following mobile clients:

- Windows XP
- Windows 7 (64-bit)
- Windows Embedded Handheld 6.5
- Windows Mobile 6.5 Professional
- Android 2.3, 4.1

Note: This release of Oracle Real-Time Scheduler has been tested on a Motorola MC75 device running Windows Mobile 6.5 Professional, a Panasonic Toughbook 30 running Windows XP SP2, and a HTC Desire device running Android 2.3

Tier 3: Web Application Server

Oracle Real-Time Scheduler supports the following web application server:

- Oracle WebLogic 11gR1 (10.3.6)

Tier 4: Database Server

Oracle Real-Time Scheduler supports the following database:

- Oracle11gR2 (11.2.0.1)

Certified and Supported Platforms

The installation has been certified to operate on many operating system, application server, and database server combinations. For the software requirements for each of these combinations, see the *Oracle Real-Time Scheduler Installation Guide*.

The following table details the browser, operating system, and application server combinations on which this version of Oracle Real-Time Scheduler has been tested and certified.

Operating System and Web Browser (Client)	Operating System (Server)	Chipset	Application Server	Database
	AIX 6.1 (64-bit)	Power 64-bit	WebLogic 10.3.6	Oracle 11.2.0.1
Windows XP SP3 (IE 7.x, 8.x)	Oracle Linux 5.6, 5.8, or 6.2 (64-bit)	x86_64	WebLogic 10.3.6	Oracle 11.2.0.1
Windows 7 (IE 8.x)	Red Hat Enterprise Linux 5.6, 5.8, or 6.2 (64-bit)			
	Sun Solaris 10 Update 8 (64-bit)	SPARC	WebLogic 10.3.6	Oracle 11.2.0.1
	Windows 2008 Server R2	x86_64	WebLogic 10.3.6	Oracle 11.2.0.1

Platform Changes

Oracle Real-Time Scheduler 2.1.0 Service Pack 5 no longer requires the Oracle Spatial database option to operate properly. While this release supports Oracle Spatial, additional installation steps have been added which allow the application to run against a database without this option, including Oracle Standard Edition.

Oracle Database Servers

This version of Oracle Real-Time Scheduler is supported with Oracle Database Server 11.2.0.1 on any of the operating systems listed above.

The Oracle 11.2.0.1 client is required for this version of the database server.

The following Oracle Database Server Editions are supported:

- Oracle Database Server Standard Edition.
- Oracle Database Server Enterprise Edition.

Oracle WebLogic Server Information

The following Oracle WebLogic Server Editions are supported:

- Oracle WebLogic Server Standard Edition.
- Oracle WebLogic Server Enterprise Edition.

Installing Oracle Real-Time Scheduler

For additional information on installing Oracle Real-Time Scheduler, refer to the *Installation Guide*.

To Install Oracle Real-Time Scheduler 2.1.0 Service Pack 5:

1. Install the following required third-party software:

- Oracle Client 11.2.0.1 (for connecting to the Oracle database)
- Java 1.6.20
- Hibernate 3.3.2
- JDeveloper 11g (11.1.1.4.0+) or Oracle ADF 11g (11.1.1.4.0+)
- MapViewer 11.1.1.5.1
- Map data
- Oracle WebLogic 11gR1 (10.3.6).

For more details about installing required third-party software, refer to Chapter 6 in the *Installation Guide*.

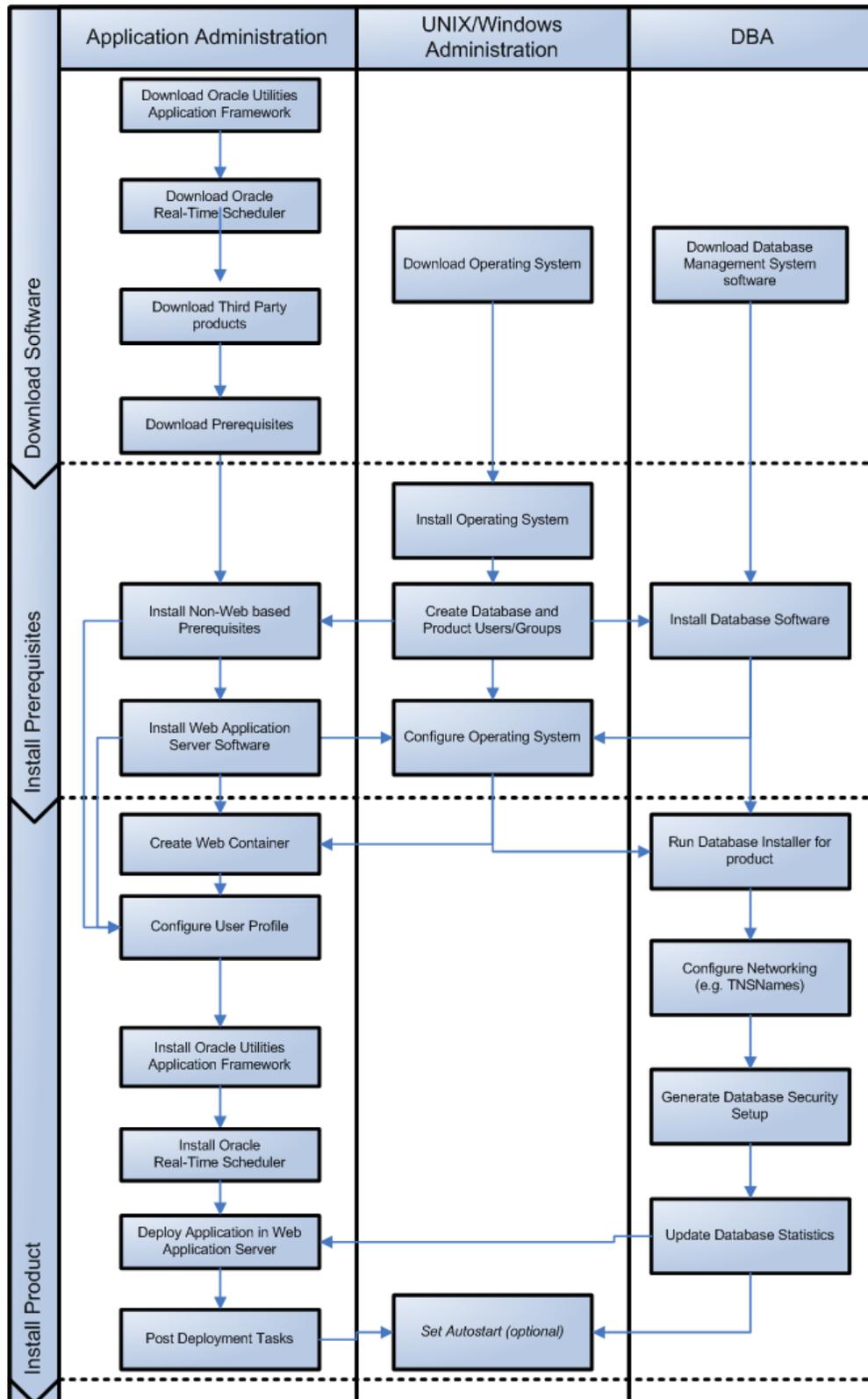
2. Install the database. Refer to the *Database Administrator's Guide* for more details.
3. Install Geocoding and map related data.
Currently the application only supports Navteq as the provider of maps and location data. For instructions on installing geocoding and map related data, please contact your specific Navteq vendor. The disk space required for installation is around 60 GB.
4. Install Oracle Utilities Application Framework V4.1.0 (application server only). Refer to Chapter 7 in the *Installation Guide* for more details.
5. Install Oracle Utilities Application Framework V4.1.0 Single Fix Prerequisite Rollup for Oracle Real-Time Scheduler V2.1.0. For more details about installing the single fix rollup, see the Readme.txt that is included with the rollup.
6. Install Oracle Real-Time Scheduler V2.1.0 (application server only). Refer to Chapter 8 in the *Installation Guide* for more details.
7. Generate Application Viewer components (this includes the Data Dictionary). Refer to the topic, "Generating the Application Viewer," in Chapter 11 of the *Installation Guide* for more details.
8. Install Mobile Communication Client. Refer to Chapter 10 in the *Installation Guide* for more details.

Oracle Support Policy Regarding VMware

Please refer to My Oracle Support knowledge base article 249212.1 for Oracle's support policy regarding VMWare.

Installation and Configuration Overview

The following diagram provides an overview of the steps to install and configure Oracle Real-Time Scheduler:



Additional Information for Installing Other Oracle Software

Please read this section and follow directions if you purchased a license from Oracle for any of the following products:

- Oracle WebLogic 11gR1 (10.3.6)
- Oracle JDeveloper 11g (11.1.1.4.0+) Studio Edition or Oracle ADF 11g (11.1.1.4.0+)
- Oracle Fusion Middleware MapViewer 11g (11.1.1.5.1)
- Oracle BPEL Process Manager 11g
- Map Editor 2.1.2

Oracle WebLogic 11gR1 (10.3.6)

Customers must download Oracle WebLogic Server from the Oracle Software Delivery Cloud. The version of Oracle WebLogic Server is in the Oracle Real-Time Scheduler V2.1.0 Supported Platforms Summary section.

Note: If you install a temporary license for Oracle WebLogic, please note that this license is limited to 5 non-current users. You will need to install the full license.

Install the Oracle WebLogic License

To apply a full license you will need to complete the following steps:

1. The license keys for Oracle WebLogic products are located at:
<http://licensecodes.oracle.com/bea.html>
2. The following products are supported: Oracle WebLogic Server Standard Edition and Oracle WebLogic Server Enterprise Edition.
3. At the time of release of this document the license key on the web site for Oracle WebLogic Server Standard Edition is BEA WebLogic Server Advantage Edition. The license key for Oracle WebLogic Server Enterprise Edition on the web site is BEA WebLogic Server Premium Edition.
4. Shut down the Oracle Real-Time Scheduler application server.
5. Follow the instructions from the Oracle WebLogic installation document to install the license key.
6. Start the Oracle Real-Time Scheduler application server.

Oracle JDeveloper 11g (11.1.1.4.0+) Studio Edition

JDeveloper 11g (11.1.1.4.0) Studio Edition is supported on any platform that runs JDK 6. It requires Oracle Weblogic Server 10.3.4+. It must be installed prior to installing the Oracle Utilities Application Framework.

Oracle JDeveloper can be downloaded from following link:

<http://www.oracle.com/technology/software/products/jdev/index.html>

Note: For an easy and quick installation of Oracle JDeveloper, please use silent mode. For more information, refer to http://docs.oracle.com/cd/E16764_01/install.1111/e13666/ojdig.htm#CHDCDFEA

Oracle Application Developer Framework (ADF) 11g (11.1.1.4.0+)

Oracle ADF 11g (11.1.1.4.0+) requires Oracle Weblogic Server 10.3.4+ and it must be installed prior to installing ADF.

Oracle ADF can be downloaded from the following link:

<http://www.oracle.com/technetwork/developer-tools/adf/downloads/index.html>

Note: Make sure to only use the version of Oracle ADF certified with Weblogic server.

Oracle MapViewer 11g (11.1.1.5.1)

Oracle Fusion Middleware MapViewer 11g Release 1 (11.1.1.5.1) is a tool that renders maps showing different kinds of spatial data. It can be downloaded from the following link:

<http://www.oracle.com/technology/software/products/mapviewer/htdocs/winsoft.html>

Oracle BPEL Process Manager 11g

Oracle BPEL Process Manager is optional software and is required only for SMS dispatching functionality. Oracle BPEL Process Manager 11gR1 is a component of Oracle SOA Suite 11gR1. The Oracle BPEL Process Manager version is determined by your SMS gateway application. You can download SOA Suite 11gR1 from the SOA Suite download page at the following link:

<http://www.oracle.com/technology/products/soa/soasuite/collateral/downloads.html#11g>

Map Editor 2.1.2

The Map Editor software is used to convert the map files from third party vendors into a format recognized by the application. The Map Editor software is bundled with the application package. Please refer to the Oracle Real-Time Scheduler Map Editor User's Guide for more information on using the Map Editor software.

Contacting Oracle Support

Please follow this link <http://www.oracle.com/support/index.html> to contact Oracle Support.

For a list of available maintenance releases and patches for Oracle Real-Time Scheduler, refer to article ID 1270044.1 on MyOracle Support.