Oracle® Real-Time Decisions

System Requirements and Supported Platforms

Versions 2.2, 2.2.1, and 2.2.1.1

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Oracle Real-Time Decisions System Requirements and Supported Platforms, Versions 2.2, 2.2.1, and 2.2.1.1

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Contents

Preface

This document contains the system requirements for Oracle Real-Time Decisions (Oracle RTD), for Versions 2.2, 2.2.1, and 2.2.1.1.

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Related Documents

For more information, see the following documents in the Oracle RTD Version 2.2 and 2.2.1 documentation set:

- *Oracle Real-Time Decisions Release Notes*

- *Oracle Real-Time Decisions Installation and Administration of Oracle RTD*
- *Oracle Real-Time Decisions Getting Started with Oracle RTD*
- *Oracle Real-Time Decisions Integration with Oracle RTD*
- *Oracle Real-Time Decisions Decision Studio Reference Guide*
- *Oracle Real-Time Decisions Decision Center User Guide*

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Introduction

This document contains the system requirements for Oracle Real-Time Decisions (Oracle RTD), for Versions 2.2, 2.2.1, and 2.2.1.1. Unless otherwise noted herein, the requirements covered in this document apply to all platform and related end-user applications within the Oracle RTD product line. For more information about Oracle RTD, see the Oracle RTD installation, administration, and user documentation.

This guide contains the following chapters:

- Chapter 1, "Introduction," (this chapter) discusses the Oracle RTD documentation.

- Chapter 2, "Platform Requirements for Oracle RTD," describes platform and hardware requirements for Oracle RTD.

- Chapter 3, "Supported Software," provides a listing of software developed by third-party vendors that is supported and used by Oracle RTD.

- Chapter 4, "Product and Platform Availability Updates," provides a list of feature availability exceptions for Oracle RTD.

1.1 Oracle Real-Time Decisions Documentation

Documentation for Oracle RTD is available on Oracle Technology Network (OTN).

To access Oracle RTD Documentation on Oracle Technology Network

- Go to the Oracle RTD Documentation Library:

  http://www.oracle.com/technology/documentation/rtd.html

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Platform Requirements for Oracle RTD

This chapter describes the hardware requirements, server environment requirements, and client tools requirements for Oracle RTD.

This chapter contains the following topics:

- Oracle RTD Hardware Requirements
- Oracle Real-Time Decision Server Environment Requirements
- Oracle RTD Client Tools Environment Requirements

2.1 Oracle RTD Hardware Requirements

This section describes the hardware and network requirements for Oracle RTD.

Unless explicitly stated otherwise, the hardware and network requirements apply to Versions 2.2, 2.2.1, and 2.2.1.1 of Oracle RTD.

Oracle has certified acceptable performance in these environments; however, performance is improved by using faster processors and additional memory, particularly in environments where users run multiple applications simultaneously.

These requirements should be used only as a guideline as they do not take into consideration various factors that affect scalability. Please consult your hardware vendor or Oracle Consultancy for capacity planning or sizing assistance.

2.1.1 Hardware Requirements for Real-Time Decision Server

Table 2–1 describes the hardware requirements for Real-Time Decision Server components for Windows, and Table 2–2 describes the hardware requirements for Real-Time Decision Server components for UNIX.

Table 2–1   Requirements for Real-Time Decision Server on Windows

Description	Requirement
Real-Time Decision Server - Application Server	**CPU and RAM:** 2 servers that have 2+ GHz, 2 GB RAM, 2 or more processors recommended. Production deployment allots a separate server for the Learning Service.
	Disk Space: 20 GB of hard disk space, plus appropriate disk space for cache storage and log files.
	Temporary Disk Space: No minimum required.

Table 2–2   Requirements for Real-Time Decision Server on UNIX

Description	Requirement
Real-Time Decision Server - Application Server	**CPU and RAM:** 2 servers that have 2+ GHz, 2 GB RAM, 2 or more processors recommended. Production deployment allots a separate server for the Learning Service. **Disk Space:** 20 GB of hard disk space, plus appropriate disk space for cache storage and log files. **Temporary Disk Space:** No minimum required.

2.2 Oracle Real-Time Decision Server Environment Requirements

This section provides information about the supported server operating systems, application servers, databases, and data sources.

This section contains the following topics:

■ Supported Server Operating Systems

■ Supported J2EE Application Servers

■ Supported Server Databases

■ Supported Data Sources

■ Siebel Object Manager Authentication Support

2.2.1 Supported Server Operating Systems

Real-Time Decision Server supports the operating systems listed in Table 2–3.

Table 2–3   Supported and Certified Real-Time Decision Server Operating Systems

Supported Operating System[1]	Certified Operating System[2]
Microsoft Windows 2000	Microsoft Windows 2000 SP4
Microsoft Windows 2003	Microsoft Windows 2003 SP1 x86 32-bit
Microsoft Windows XP	Microsoft Windows XP Professional SP2
HP-UX 11.23	HP-UX 11.23 64-bit Itanium
IBM AIX 5L v5.3	IBM AIX 5.3 Power-PC 64-bit
RedHat Enterprise Linux AS 3.0	RedHat Enterprise Linux AS 3.0 64-bit
RedHat Enterprise Linux AS 4.0	RedHat Enterprise Linux AS 4.0 64-bit
Oracle Enterprise Linux 4	Oracle Enterprise Linux 4
Sun Solaris 9	Sun Solaris 9 64-bit SPARC
Sun Solaris 10	Sun Solaris 10 64-bit SPARC

[1] Windows and UNIX 64-bit support: for all releases, the software is 32-bit. The software can run on 64-bit processors that support 32-bit emulation.

[2] Not certified in Version 2.2.1: HP-UX 11.23 64-bit Itanium, IBM AIX 5.3 Power-PC 64-bit, RedHat Enterprise Linux AS 3.0 64-bit, Oracle Enterprise Linux 4.
New certifications in Version 2.2.1: RedHat Enterprise Linux AS 4.0 64-bit, Sun Solaris 9 64-bit SPARC.

Two major software components required to run Real-Time Decision Server are an operating system and an application server.

Details of the supported combinations of operating system and application server appear in Section 2.2.2, "Supported J2EE Application Servers." See the Note in Section 2.2.2 for guidelines about combinations not explicitly listed in that section.

2.2.2 Supported J2EE Application Servers

Table 2–4 lists the J2EE application servers supported by Real-Time Decision Server and the versions of Java required on each operating system in Oracle RTD Version 2.2. Support for OC4J standalone 10.1.3.3 and Oracle Application Server 10.1.3.3 has been added in Oracle RTD Version 2.2.1.

Table 2–4   Certified J2EE Application Servers in Oracle RTD Version 2.2

Application Server	Operating System	Java[1]
BEA WebLogic 9.2	Microsoft Windows 2000/XP/2003	Use bundled JDK
	RedHat Enterprise Linux AS 3.0	
	Sun Solaris 10	
	HP-UX 11.23	HP-UX JDK 5.0.05
	IBM AIX 5L v5.3	IBM Java 5 SR2
IBM WebSphere 6.1.0.3	Microsoft Windows 2000/XP/2003	Use bundled IBM JDK (ensure JDK patch level is SR3 or greater)
	Sun Solaris 10	
	IBM AIX 5L v5.3	
	HP-UX 11.23	
	RedHat Enterprise Linux AS 3.0	IBM Java 5 SR2
Standalone Oracle Containers for J2EE 10*g* Release 3 (10.1.3.1)	Microsoft Windows 2000/XP/2003	Sun JDK 1.5.0.8 or greater
	RedHat Enterprise Linux AS 3.0	
	Sun Solaris 10	
	HP-UX 11.23	HP-UX JDK 5.0.05
	IBM AIX 5L v5.3	IBM Java 5 SR2
Oracle Application Server 10*g* Release 3 (10.1.3.1)	Microsoft Windows 2000/XP/2003	Use bundled JDK
	RedHat Enterprise Linux AS 3.0	Sun JDK 1.5.0.8 or greater
	Sun Solaris 10	
	HP-UX 11.23	HP-UX JDK 5.0.05
	IBM AIX 5L v5.3	IBM Java 5 SR2

[1] JDK 1.6 is not supported.

> **Note:**   In general, Oracle Real-Time Decisions can be run in any J2EE application server that supports Java 5.0 (JDK 1.5). Java application servers support a wide range of operating systems, processors and bus architectures. Please refer to the support and certification documentation of the J2EE application server vendor to determine which platforms and processor architectures are supported.

2.2.3 Supported Server Databases

Table 2–5 lists the databases supported by Real-Time Decision Server.

Table 2–5   Supported and Certified Databases

Vendor and Product	Supported Version	Certified Version[1]
IBM DB2 Universal Database (UDB) EE	8.1 FP5 and above	8.2 FixPak 7 (8.1.14)
Microsoft SQL Server	2000	2000
	2005	2005 SP2
	2005 Express SP2	2005 Express SP2
Oracle Database	9*i* Release 2 (9.2)	9.2.0.1
	10*g* Release 2 (10.2)	10.2.0.1
	10*g* Express	10.2.0.1
	11*g* Release 1 (11.1)	11.1.0.6

[1]   New in Version 2.2.1: SQLServer 2005 SP2, SQLServer 2005 Express SP2, Oracle 11g (11.1.0.6), and Oracle Express 10g (10.2.0.1)

2.2.3.1 Supported Data Sources

Real-Time Decision Server supports the data sources listed in Table 2–6, in order to access data as inputs into the real-time decisions process.

Table 2–6   Supported and Certified Data Sources

Vendor and Product	Supported Version	Certified Version[1]
IBM DB2 Universal Database (UDB) EE	8.1 FP5 and above	8.2 FixPak 7 (8.1.14)
Microsoft SQL Server	2000	2000
	2005	2005 SP2
	2005 Express SP2	2005 Express SP2
Oracle Database	9*i* Release 2 (9.2)	9.2.0.1
	10g Release 2 (10.2)	10.2.0.1
	10*g* Express	10.2.0.1
	11*g* Release 1 (11.1)	11.1.0.6
Oracle Business Intelligence Enterprise Edition	10.1.3.3	10.1.3.3
Siebel Analytics Server	7.8	7.8.2
NCR Teradata	V2R6	V2R6.2

[1]   New in Version 2.2.1: SQLServer 2005, SQLServer 2005 Express SP2, Oracle 11g (11.1.0.6), Oracle Express 10g (10.2.0.1), and Oracle BI 10.1.3.3

2.2.3.2 Siebel Object Manager Authentication Support

This section applies to Oracle RTD Version 2.2 only, this feature is deprecated in Versions 2.2.1 and 2.2.1.1.

Real-Time Decision Server may authenticate users through Siebel Object Manager. Supported versions are listed in Table 2–7.

Table 2–7   Supported Siebel Server Versions

Siebel Version
7.5.3
7.7
7.8
8.0

2.3 Oracle RTD Client Tools Environment Requirements

This section lists the supported operating systems and supported Web browsers for the Oracle RTD client tools.

This section contains the following topics:

- Supported Operating Systems for Oracle RTD Client Tools
- Supported Web Browsers for Oracle RTD Client Tools

2.3.1 Supported Operating Systems for Oracle RTD Client Tools

Table 2–8 lists the supported Oracle RTD client tools operating systems.

Table 2–8   Supported Oracle RTD Client Tools Operating Systems

Client Type	Operating System and Patch Level
Decision Center, Decision Studio, Load Generator	Windows XP SP2 Windows 2000 SP4 Windows 2003 SP1
JMX Administration (JConsole)	All operating systems listed in Table 2–3.

2.3.2 Supported Web Browsers for Oracle RTD Client Tools

There are no download requirements for Oracle RTD Web browser support. Decision Center supports the web browsers shown in Table 2–9.

Table 2–9   Supported Web Browsers

Client Operating System	Browser[1]
Microsoft Windows 2000 Microsoft Windows 2003 Microsoft Windows XP	Internet Explorer 6.0 SP1 Internet Explorer 7

[1]   New in Version 2.2.1: Internet Explorer 7

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Supported Software

This chapter describes supported third-party software products, ancillary programs, and license agreements.

This chapter contains the following topics:

- Supported Software

- Ancillary Programs

- License Agreements

3.1 Supported Software

Oracle RTD supports the third-party software products listed in Table 3–1. These products must be obtained directly from the vendors that sell them.

Table 3–1 Supported Software

Vendor and Product	Version	Associated Module	Function
Adobe Acrobat Reader	6.0, 7.0, 8.0	Oracle RTD Documentation	Used for viewing portable document format (PDF) documents.

3.2 Ancillary Programs

The ancillary programs listed in Table 3–2 are provided with Oracle Real-Time Decisions Version 2.2 through licensing agreements with the vendors that own them. The use of all ancillary programs is governed by the terms of the Software License and Services Agreement (SLSA) between your company and Oracle. Instructions for installing ancillary programs where needed are provided in *Oracle Real-Time Decisions Installation and Administration of Oracle RTD*.

Table 3–2 Ancillary Programs

Vendor	Product	Version[1]	Description
Apache Software Foundation	Ant	1.6.1	Server-side compiler management
Apache Software Foundation	Axis	1.2.1	Webservice
Apache Software Foundation	Bean Utils	1.6	Struts
Apache Software Foundation	Codec	1.3	HTTPClient
Apache Software Foundation	Collections	2.1.1	-

Table 3–2   (Cont.) Ancillary Programs

Vendor	Product	Version[1]	Description
Apache Software Foundation	Digester	1.6	Struts
Apache Software Foundation	Discovery	1.0	-
Apache Software Foundation	File Upload	1.0	Struts
Apache Software Foundation	HTTPClient	3.0.1	Client HTTP Communications
Apache Software Foundation	JAX RPC	1.1	Axis
Apache Software Foundation	Lang	2.1	-
Apache Software Foundation	Log4j	1.2.14	Logging
Apache Software Foundation	Logging	1.1	HTTPClient
Apache Software Foundation	Math	1.1	Regression Calculations
Apache Software Foundation	SAAJ	-	Axis
Apache Software Foundation	Standard Tag Library	1.0.6	Struts
Apache Software Foundation	Struts	1.2.8	JSP library
Apache Software Foundation	Validator	1.1.4	Struts
Apache Software Foundation	Velocity	1.3.1	Template substitution
Doug Lea	Concurrent	1.3.4	Multithreading utilities
Eclipse Foundation	Eclipse Modelling Framework	2.1	Metadata library
Eclipse Foundation	Eclipse Platform	3.1.2	Application Development Environment
IBM	DB2 JDBC Universal Driver	8.2	DB2 Database Connectivity
interactivetools	htmlArea	2.03	Rich text editing in the web browser
JBoss	JGroups	2.3 2.6.1	UDP Multicast
JGoodies	Forms	1.0.7	Swing GUI Layout
Mark Yu	swtcalendar	0.5	Calendar widget
Matt Kruse	dateformatter	-	Date Formatting from Javascript
Microsoft	SQL Server 2005 JDBC Driver	1.1	MS SQL Database Connectivity
Oracle	BI Beans	3.2.3.0.37	Graphs and Charts
Oracle	HTTPClient	-	Web Services
Oracle	JDBC Driver	9.0.2.0 10.2.0.1	Oracle Database Connectivity
Oracle BI	JDBC Driver	10.1.3.3	Oracle BI Server Connectivity
Oracle	WSDL	-	Web Services
Sourceforge.net	Displaytag	1.0	JSP Tables

Table 3–2   (Cont.) Ancillary Programs

Vendor	Product	Version[1]	Description
Sun	JavaBeans Activation Framework	1.3.0	Mail
Sun	JavaHelp	2.0	Online Help
Sun	JavaMail	1.3.3	Sending email notifications
Sun	JMX Reference Implementation	1.2.1	Manageability
Sun	JSP Standard Tag Library	1.0.6	JSP library
Tatu Saloranta	Woodstox	3.0.2	Streaming XML parser
Terence Parr	ANTLR	2.7.5	Struts

[1] Upgraded in Version 2.2.1: JBoss/JGroups from 2.3 to 2.6.1, Oracle/JDBC Driver from 9.0.2.0 to 10.2.0.1. Added in Version 2.2.1: OracleBI/JDBC Driver 10.1.3.3.

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Version 2.0, January 2004

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4

Product and Platform Availability Updates

Some features that are generally available in the product may not be available in specific operating environments. In most cases, this is due to third-party product support limitations. However, while an individual feature may not be available in a specific operating environment, the product as a whole will operate as specified.

Oracle Real-Time Decisions Feature Availability Exceptions for Oracle RTD Versions 2.2, 2.2.1, and 2.2.1.1 are listed in Table 4–1.

Table 4–1   Feature Availability Exceptions

Oracle Product	Feature	Limitation Type	Availability Issue
Oracle Real-Time Decisions	Siebel Analytics Server Connectivity	Connectivity Support	JDBC-ODBC connectivity to Siebel Analytics Server is not supported if Oracle RTD is deployed on IBM WebSphere
	Oracle BI Enterprise Edition	Connectivity Support	JDBC connectivity to Oracle BI Enterprise Edition 10.1.3.3 is not supported if Oracle RTD is deployed on IBM WebSphere