

Oracle® Java Embedded Suite

Release Notes

Release 7.0

E28524-01

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These *Release Notes* describe platform requirements, documentation, installation, known problems and issues, and documentation accessibility for the Oracle Java Embedded Suite.

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1 Introduction

The Oracle Java Embedded Suite supports headless embedded Java applications with the suite of components listed in [Table 1](#).

Note: Do not substitute a different version of any component. Untested version combinations can introduce errors, and are not supported.

Table 1 Oracle Java Embedded Suite Components

Component	Version	Description
Java SE Embedded Runtime Environment	1.7.0_06	Java runtime environment (JRE) for headless applications. Includes small-footprint client bytecode compiler. For more information, see http://www.oracle.com/technetwork/java/embedded/overview/javase/index.html .
GlassFish for Embedded Suite Application Server	3.1.2.1	Small footprint special edition for embedded applications. Supports servlets 3.0, web services, and bean validation. For more information about GlassFish, refer to http://www.oracle.com/us/products/middleware/application-server/oracle-glassfish-server/index.html .
Jersey RESTful Web Services Framework	1.11.1	Server, client, and JSON (JavaScript Object Notation) APIs for creating and using RESTful web services based on JAX-RS 1.1 (JSR 311). Jersey web services can be hosted by GlassFish or the lightweight HTTP server included in the JRE. JSON/JAXB entity support is included. For more information, refer to http://jersey.java.net/ . Note: The Jersey proprietary client API will be superseded in JAX-RS 2.0.
Java DB Embedded Database	10.8.2.2	Oracle's branded distribution of the Apache Derby relational database management system with SQL and JDBC APIs. For more information, see http://www.oracle.com/technetwork/java/javadb/overview/index.html .

The Oracle Java Embedded Suite also includes a bundle of sample applications and a bundle of documentation (see [Section 3](#)).

2 Platforms and Requirements

You use two platforms when you work with Oracle Java Embedded Suite: the host and the target.

- The *host* is the personal computer on which you install Oracle Java Embedded Suite, and where you compile application code.
- The *target* is the device to which you deploy the Oracle Java Embedded suite components and your application for testing.

You must have a way to transfer files from the host to the target, such as a network connection or memory card.

2.1 Host Requirements

The host is any x86 personal computer running Linux and the Java SE Developer's Kit (JDK) version 1.7 (any update). You can download the JDK (and optionally the NetBeans IDE) from <http://www.oracle.com/technetwork/java/javase/downloads/index.html>.

To build the sample applications described in the *Application Developer's Guide*, or your own application that is based on a sample, you need the following:

- Ant 1.8 (or newer), available from <http://ant.apache.org/bindownload.cgi>.
- NetBeans 7.1 (or newer), if you want to use an interactive development environment. NetBeans is available from: <http://netbeans.org/downloads/index.html>.

2.2 Target Requirements

This release supports ARM- and x86-based target devices running a Linux operating system.

2.2.1 ARM Target Requirements

The following table specifies the requirements for ARM target devices. The software is compiled for compatibility with ARM V6 and V7, and does not exploit the potential performance advantages of V7.

Requirement	Description
CPU	ARM V6 and V7
Floating Point	VFP
RAM	64MB or more
ROM/Flash/Disk	66MB or more
Operating System	Linux kernel 2.6.28 or higher; glibc 2.9 or higher

2.2.2 x86 Target Requirements

The following table specifies the requirements for x86 target devices.

Requirement	Description
CPU	Any
RAM	64MB or more
ROM/Flash/Disk	66MB or more
Operating System	Linux kernel 2.6.28 or higher; glibc 2.9 or higher

2.3 Testing Notes

For ARM targets, the principal test platform was V7-based. Basic "sanity" tests were run on a V6 target.

The largest database used for Java DB testing was 32GB.

3 Documentation

In addition to these *Release Notes*, the Oracle Java Embedded Suite documentation set includes the *Oracle Java Embedded Suite Application Developer's Guide*.

4 Installation Instructions

For installation instructions, refer to the *Application Developer's Guide*.

5 Known Problems and Issues

There is a known authentication problem with the embedded GlassFish component included with the Java Embedded Suite. The problem is documented here: <http://java.net/jira/browse/GLASSFISH-17909>. For background information and a solution, refer to: <http://www.java.net/forum/topic/glassfish/glassfish/glassfish-embedded-311-login-configuration-not-set?force=295>. The response by Bhavanishankar dated November 30, 2011 describes how to work around the problem.

6 Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

Access to Oracle Support

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Related Topics

None

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