

Java™ 2 Platform, Enterprise Edition SDK

The definitive implementation of the Java™ 2 Platform, Enterprise Edition 1.4 specification



Key feature highlights

- The Java™ 2 Platform, Enterprise Edition (J2EE™) 1.4 SDK is the definitive implementation of the J2EE 1.4 specification.
- The J2EE SDK includes documentation, demos, examples, updated Java Blueprints, and a compatible J2EE application server.
- The J2EE SDK is the most effective way to learn about the J2EE platform, as well as what's new in the latest specification.
- With the J2EE SDK, developers can build and deploy platform-independent, interoperable, Web service-enabled applications.
- The J2EE SDK includes everything a developer needs to get started using the J2EE 1.4 platform.

The Platform for Web Services

The Java™ 2 Platform, Enterprise Edition (J2EE™) SDK delivers complete Web services support through a broad range of Web services APIs, including the new Java API for XML-based RPC (JAX-RPC) 1.1 API. This enables service endpoints based on servlets and enterprise beans, and also provides interoperability with Web services based on the WSDL and SOAP protocols. The J2EE 1.4 SDK supports the Web services for the Java Specification Request (JSR) 109, Implementing Enterprise Web Services, which defines deployment requirements for Web services and utilizes the JAX-RPC programming model. All of the Web services APIs in the J2EE 1.4 SDK provide comprehensive support for the WS-I Basic Profile 1.0, which enables developers to build Web services applications that are interoperable with other non-Java Web services platform implementations.

Compatible Application Server Included

The J2EE 1.4 SDK delivers a Java technology-compatible application server — at no charge — that fully complies with the J2EE 1.4 specification. For developers who build applications with the J2EE SDK and run them on the included application server, or deploy them to another J2EE 1.4 technology-compatible application server, the result is lowered cost and complexity with less effort.

Simplified Development of Web Front Ends

The J2EE platform now makes it even easier to develop Web front ends through enhancements to Java Servlet and JavaServer Pages™ (JSP™) technologies. Servlets now support request listeners and enhanced filters. JSP technology has simplified the page and extension development models with the introduction of a simple expression language, tag files, and a simpler tag extension API, among other features. This makes it easier than ever for developers — especially those who are familiar with scripting languages — to build JSP technology-enabled pages.

Easier to Deploy; Simple to Manage

The J2EE 1.4 SDK supports new APIs for easier deployment and management. Deploying applications for the J2EE 1.4 platform is now simplified with the J2EE Deployment 1.1 API and enhancements to deployment descriptors defined using XML schema, which can also be used by developers to validate their XML structures. The J2EE 1.4 specification also introduced the J2EE Management 1.0 API, uses the Java Management Extensions API (JMX), and defines the information model for J2EE management, including the standard Management Enterprise JavaBeans™ (EJB™) component.

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Integrates With Existing Systems and More

Additional enhancements to the J2EE 1.4 SDK include support for the latest version of the J2EE Connector Architecture, which now offers incoming resource adapter and Java Message Service (JMS) pluggability. This makes it easier to integrate with legacy systems. The J2EE SDK also includes updated Enterprise JavaBeans (EJB) technology, featuring Web service endpoints, a timer service, and enhancements to EJB query language (QL) and message-driven beans.

The Most Effective Way to Learn What's New in J2EE 1.4 Technology

The J2EE 1.4 SDK is more than the latest APIs for Java 2 Platform, Enterprise Edition; it is an excellent tool with which to learn about building and deploying Web services-enabled, server-based applications in the Java language. The SDK includes a number of resources to help you begin building and deploying applications quickly. New versions of Java Blueprints are included, including the new J2EE 1.4 Adventure Builder demo sample application which demonstrates the new Web services APIs in action.

Serious Software Made Simple

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Platforms and Requirements

This release relies on the Java 2 SDK, Standard Edition ("J2SE™") specification. The following table lists the required version of J2SE technology for each operating system supported with this release of the J2EE platform.

- Solaris 9 Operating System (SPARC Platform Edition): J2SE 1.4.1_02 or higher
- Red Hat Linux 7.2: J2SE 1.4.1_02 or higher
- Windows XP Professional Edition: J2SE 1.4.1_02 or higher
- Windows 2000 Professional Edition: J2SE 1.4.1_02 or higher

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