

What's New in the Java™ 2 Platform, Enterprise Edition 1.4?

Java™ 2 Platform, Enterprise Edition (J2EE™) 1.4 fuses Java and Web Services to deliver most complete platform for Web services in the market today. The J2EE 1.4 platform supports WS-I Basic Profile 1.0 and enables Web services to interoperate on the basis of Web Services Description Language (WSDL) and Simple Object Access Protocol (SOAP). Its many features include the following:

- Exposure of J2EE applications as Web services that are based on SOAP and Hypertext Transfer Protocol
- Integration with Web services and implementation of Web-service endpoints with Java servlets and Enterprise Java Beans (EJB) technology.
- New APIs for Web services, deployment, and management of the J2EE platform, as well as authorization.
- Updated APIs, including EJB, Java servlet, JavaServer Pages (JSP), and J2EE connector APIs.

TABLE 1 Major API changes included in the J2EE 1.4 Platform

API	Description
Components	
Application and application client	Implementation of standard deployment descriptors by means of XML schemas
Enterprise JavaBeans (EJB) 2.1	Time service and EJB Web-service endpoint
Java Servlet 2.4	Web-service endpoint and filter
JavaServer Pages (JSP) 2.0 architecture	Expression language and tag library
J2EE Connector Architecture 1.5	Inbound resource adaptor and Java Message Service (JMS) pluggability
Web services	
Web services for J2EE 1.1	Portable Web-service descriptors
Java API for XML-based Remote Procedure Calls (JAX-RPC) 1.1	Mapping for WSDL and Java technology
WS-I Basic Profile 1.0	The enabling element for interoperability between WSDL and SOAP
SOAP with Attachments API for Java (SAAJ) 1.2	An API for SOAP-based messaging that fosters the creation of SOAP messages with attachments
Java APIs for XML Registries (JAXR) 1.0	A uniform and standard API for accessing XML registries, such as those for Universal Description Discovery and Integration (UDDI) and ebXML
Other	
J2EE Application Deployment 1.1	Standard APIs that enable deployments of J2EE components and applications
J2EE Management 1.0	Definitions for the information model for managing the J2EE platform
Java Management Extensions (JMX) 1.2	Management of standards
Java Authorization Contract for Containers (JACC) 1.0	Definitions of security contracts between a J2EE application server and the authorization policy provider
Java API for XML Processing (JAXP) 1.2	An API with which applications can parse and transform XML documents along with added support for processing of XML schemas
JMS 1.1	A messaging standard that enables J2EE application components to create, send, receive, and read messages, along with added support for uniform APIs for queues and topics
JavaMail 1.3	A set of abstract classes that model a mail system along with minor updates to the APIs

For more information about the J2EE 1.4 platform, please visit:
<http://java.sun.com/j2ee/1.4/>