

# Java™ Enterprise Edition 5 Platform At-A-Glance

Revision 1.4 – June 22, 2005

## Java™ EE 5 Platform Elevator Pitch

The Java Enterprise Edition 5 release continues the history of innovation in the Java platform for developing portable, robust, scalable, multi-tiered server-side enterprise applications. The Java EE 5 release, which will be finalized in the first quarter of 2006, brings a wealth of ease-of-development features that will reduce the amount of code that developers need to write and increase developer productivity. The platform continues to evolve to support the latest technologies and architectures including updated web services standards and SOA.

## Benefits to Licensees

### Java EE software licensees benefit from the new version of Java Enterprise Edition platform in several ways:

- It makes development easier, grows the Java EE software developer community and improves developer satisfaction with the platform.
- Improved programmer productivity lowers the TCO for the Java EE platform - a critical benefit for licensees' customers.
- All licensees will have access to the Java EE 5 code through their current licensing terms.
- The TCKs and AVK will be updated to support the Java EE 5 release and will continue to be used to ensure compatibility and support the Java Compatible brand.
- Availability of the Java EE 5 source base along with Sun's Java System Application Server PE 9 through project GlassFish allows licensees unprecedented access to the code and the ability to participate in the development and improvement of the platform.

## Top Eight Things You Should Know About the Java™ EE 5 Platform

### 1. Ease of development

Many common coding issues have been simplified: boilerplate code has been removed, defaults are relied upon whenever possible, and the need for deployment descriptors has been drastically reduced. In addition, commonly used utility classes / helpers are provided to improve developer productivity and Java EE 5 draws upon many of the new features of Java SE, especially JSR-175 annotations.

## Top Eight Things You Should Know About the Java™ EE 5 Platform

### 2. Increased productivity

The Java EE 5 release will broaden the Java EE developer base through drastic simplification and better tool support. It offers:

- Simplified support for persistent data stored in databases using the new Java Persistence API.
- JavaServer Faces APIs and JSTL (JavaServer Pages Standard Tag Library) to facilitate the creation of Web UIs.
- A unified expression language for JSP and JSF.
- Leverages the power of Annotations and Generics from J2SE 5.0.

### 3. Updated web services standards and SOA

The platform provides new JAX-WS 2.0 and JAXB 2.0 APIs for simpler and better Web Services and it underpins the implementation of the Java Business Integration (JBI) specification (JSR 208) which forms the foundation for Service Oriented Architecture in Java and Java EE technologies.

### 4. Full backward compatibility

The Java EE 5 platform was developed by the Java community under the auspices of the Java Community Process (JCP) v. 2.6. Licensees need to pass the Compatibility Test Suite (CTS) in order to use the Java brand. Application developers can ensure portability and compatibility of their Java EE applications by using the AVK and becoming branded as "Java Powered for the Enterprise".

### 5. Vibrant Java Enterprise community

Communit, consisting of 32 licensees and 28 J2EE-compatible products, includes all of the major application server vendors including Sun, Oracle, IBM, and BEA, as well as Borland, HP, IONA, Macromedia, Nokia, Novell, SAP, Sybase, Tibco, and webMethods.

### 6. Most downloaded version ever

There have been almost 3 million downloads of the previous version of the Java Enterprise Edition platform, J2EE 1.4. (Source: Sun Microsystems, Inc.)

### 7. Most U.S. enterprises are using Java Enterprise Edition

75% of U.S. enterprises are using Java Enterprise Edition in production, development, or in pilot projects. 55% are in production deployment (Source: BZ Research). 92% of enterprises that chose J2EE solutions for enterprise computing are happy with their choice. (Source: Forrester).

### 8. Market size

According to some industry analysts, Java application servers were a \$2.2 Billion market in 2004.