

Java SE at a Glance Java SE 一览

[Licensees](#)
[General FAQs](#)
[Features](#)

Java SE让您开发和部署在服务器上的Java应用程序

Java Platform, Standard Edition (Java SE) lets you develop and deploy Java applications on desktops and servers, as well as in today's demanding embedded environments. Java offers the rich user interface, performance, versatility, portability, and security that today's applications require.

提供丰富的用户界面、性能、通用性、可移植性和安全性

Auto-update Notice & End of Public Updates for Oracle JDK 7

Coincident with the January 2015 CPU release users with the auto-update feature enabled will be migrated from Oracle JRE 7 to Oracle JRE 8. Also, please note the April 2015 CPU release will be the last Oracle JDK 7 publicly available update. For more information, and details on how to receive longer term support for Oracle JDK 7, please see the Oracle [Java SE Support Roadmap](#).

Java SE 8现已推出

提供增强的开发人员生产力
通过减少的样板代码来显著地提高应用的性能
改进的集合和注解
简单的并行编程模型
更有效地使用现代多核处理器

What's New

[Java Platform, Standard Edition 8 Update 45 \(Java SE 8u45\) is Now Available](#)

This latest release of the Java Platform includes important security fixes. Oracle strongly recommends that all Java SE 8 users upgrade to this release.

[Download](#) [Release Notes](#)

[Java SE 7 Update 79 and Java SE 7 Update 80 Now Available](#)

These latest Critical Patch Update (CPU) and Patch Set Update (PSU) releases include important security fixes. Oracle strongly recommends that all Java SE 7 users upgrade to one of these releases. For detailed information on the difference between each release type and to find out which is most appropriate for you, review [this documentation](#).

[Download](#) [Release Notes](#)

[Java SE 8 is Now Available](#)

The Java Platform, Standard Edition 8 (Java SE 8) is a major feature release. It contains new features and enhancements in many functional areas. Java SE 8 delivers enhanced developer productivity and significant application performance increases through reduced boilerplate code, improved collections and annotations, simpler parallel programming models and more efficient use of modern, multi-core processors. See [what's new in JDK 8](#) for more details.

[Download](#) [Release Notes](#)

[Security of the Java Platform](#) Java Security Resource Center

A description of security information provided by role. For developers, system administrators, home users, and security professionals.

[Java RIA Security Checklist](#)

Recently announced changes scheduled for Java 7

Updates

[Java SE 8u45 Released](#)

Java SE 8u45 is the latest Critical Patch Update, containing security fixes.

[Release Notes](#) [Download](#)

[Java SE 7u79/80 Released](#)

Oracle strongly recommends that all Java SE 7 users upgrade to one of these releases. Go [here](#) for guidance in selecting the most appropriate release.

[Release Notes](#) [Download](#)



Products and Training

[Oracle Java SE Advanced & Suite](#)

Expert monitoring, diagnostics, and centralized management for enterprise and ISV Java-based applications.

[Oracle Java SE Support](#)

Access Oracle Premier Support for the components and features included with Java SE.

Training & Certification:

- [Java SE 8 Programming](#)
- [Java SE 8 Fundamentals](#)
- [Java SE 8 New Features](#)
- [Java Performance Tuning with Mission Control and Flight Recorder](#)
- [Java SE 7 Certification: Raising The Bar](#)
- [Java Training - Oracle University](#)

update 51 (January 2014) have established that the default security slider will require code signatures and the Permissions Manifest attribute. [This checklist is intended to provide best practices to help development teams track work necessary to accommodate user prompts.](#)

LiveConnect changes in 7u45

Java 7 update 45 (October 2013) introduces a new warning to users of LiveConnect applications. LiveConnect is a technology for Rich Internet Applications that allows JavaScript on a web page to make calls into an RIA, allowing the two to work together and load content. RIAs that do not use LiveConnect are unaffected by this change. [Read More](#)

Oracle Releases [New Diagnostic, Monitoring, Security and Deployment Capabilities for Java SE 7](#) (Press Release) [Video](#)

Java Mission Control

[Java Flight Recorder and Java Mission Control together create a complete tool chain to continuously collect low level and detailed runtime information enabling after-the-fact incident analysis.](#)

[Release Notes](#) [Demo](#) [White Paper](#)

Advanced Management Console

Provides system administrators an effective control over diverse Java versions running on desktops in the enterprise enabling a more secure environment and enhanced application experience and availability. [Documentation](#)

Deployment Rule Set

Deployment rule set allows a desktop administrator to control the level of Java client compatibility and default prompts across an organization. [Documentation](#)

Java API Documentation Updater Tool

Java Usage Tracking and Visualization with Oracle Fusion Middleware

Server JRE

Starting with Java SE 7u21, a Server Java Runtime Environment (Server JRE) package is available for [deploying Java applications on servers.](#) [Learn More](#)

Java Applet & Web Start - Code Signing

Starting with Java SE 7u21 all Java Applets and Web Start Applications are encouraged to be signed with a trusted certificate. [Learn More](#)

[Archive of \[Technical Articles\]\(#\)](#) [技术文章存档](#)

Learn More about Java Software

[Java can reduce costs, drive innovation, and improve application services.](#)



Community



JavaOne 2014 has concluded, but the Learning Lives On

[Did you miss a JavaOne keynote or session?](#) You can find those here. And 'Save the Date' for Oracle OpenWorld 2015 October 25–29, 2015!

Java 8 Event Kit

Access the "[Create the Future with Java 8 Event Kit](#)" - run your own Java 8 event using the resources designed for Java User Groups (JUGs). The kit includes a fully scripted technical presentation, intro video, promotional tools and more. [Learn More](#)

Adopt a JSR Program

This program is [intended to encourage JUG members to get involved in a Java Specification Request \(JSR\)](#) and to evangelise that JSR to their JUG and the wider Java community in order to increase grass roots participation. [Learn More](#)

[Java.net](#) - [The Source for Java Technology Collaboration](#)

Java Embedded Community

JavaFX Community



Nighthacking.com

The NightHacking [Java 8 Tour](#) is the inaugural leg of the Java 8 Tour event where the evangelism team will be crossing the globe to speak at conferences and Java User Groups to spread the word [about the new Java 8 release.](#)

Participate

[Make the Future Java Outreach Program](#) 了解更多关于Java和其带来的机遇

Together, we can [inspire future technologists to learn more about Java and the opportunities](#) it brings. The Make the Future Java program [offers resources, tool kits and promotional items](#) you can use for Java outreach within your local community.

[Join a Java User Group \(JUG\)](#) Java用户组是一个志愿者组织，努力分发Java相关的知识

[Java User Groups \(JUGs\)](#) are volunteer organizations that strive to distribute Java-related knowledge around the world. They [provide a meeting place for Java users to get information, share resources and solutions, increase networking, expand Java Technology expertise, and above all, drink beer, eat pizza and have fun.](#) [Find a JUG](#) and become a part of the Java community today!

[Java Forums](#) 在论坛上了解和分享Java技术的想法和建议

[Read about and share ideas and suggestions about Java technology on the discussion forums.](#) Start with the [New to Java](#) or the more advanced [Java Programming](#) category.

[Gimme Java - Show your true colors!](#)

开始新的Java或更高级的Java编程类目

These Java designs are yours to take and use. Post on your Website, put them on t-shirts or coffee mugs—use them just about anywhere except on a Java product—and [let the world know about your passion for Java.](#)



[Java SE Site Map](#)