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| Java SE at a Glance |  |



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Java Platform, Standard Edition ([Java SE](https://www.oracle.com/java/technologies/java-se.html)) lets you develop and deploy Java applications on [desktops](http://docs.google.com/technetwork/java/javase/tech/index-jsp-142216.html) and servers, as well as in today's demanding [embedded](http://docs.google.com/technetwork/java/embedded/javame/embed-me/index.html) environments. Java offers the rich user interface, performance, versatility, portability, and security that today's applicationsrequire.

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| [**Auto-update Notice**](http://docs.google.com/technetwork/java/javase/documentation/autoupdatejre7tojre8-2389085.html) **& [End of Public Updates for Oracle JDK 7](http://docs.google.com/technetwork/java/javase/eol-135779.html)**  Coincident with the [January 2015 CPU](http://docs.google.com/technetwork/topics/security/alerts-086861.html) release users with the auto-update feature enabled were migrated from Oracle JRE 7 to Oracle JRE 8. Also, please note the April 2015 CPU release was 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](http://docs.google.com/technetwork/java/javase/eol-135779.html). | |

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| What's New **[Java Platform, Standard Edition 8 Update 91 (Java SE 8u91) and 8 Update 92 (Java SE 8u92) are Now Available](http://docs.google.com/technetwork/java/javase/downloads/index-jsp-138363.html)**  This latest release of the Java Platform includes important security fixes. Oracle strongly recommends that all Java SE 8 users upgrade to this release.  JDK for ARM releases are available on the same page as the downloads for other platforms  [Download](http://docs.google.com/technetwork/java/javase/downloads/index-jsp-138363.html)  arrow  [Release Notes](http://docs.google.com/technetwork/java/javase/8u-relnotes-2225394.html)  **[Advanced Management Console 2.3](http://docs.google.com/technetwork/java/javaseproducts/advanced-mgmt/advancedmanagementconsole-2254207.html)**  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](http://www.oracle.com/technetwork/java/javaseproducts/advanced-mgmt/index.html#docs)  **[Java SE 8 is Now Available](http://docs.google.com/technetwork/java/javase/downloads/index.html)**  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](http://docs.google.com/technetwork/java/javase/8-whats-new-2157071.html) for more details.  [Download](http://docs.google.com/technetwork/java/javase/downloads/index.html)  arrow  [Release Notes](http://docs.google.com/technetwork/java/javase/8train-relnotes-latest-2153846.html)  **[Security of the Java Platform](http://docs.google.com/technetwork/java/javase/overview/security-2043272.html)**  A description of security information provided by role. For developers, system administrators, home users, and security professionals.  **[Java RIA Security Checklist](http://docs.google.com/technetwork/java/javase/overview/ria-checklist-2055184.html)**  [Recently announced changes scheduled for Java 7 update 51](https://blogs.oracle.com/java-platform-group/entry/new_security_requirements_for_rias) (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**](https://blogs.oracle.com/java-platform-group/entry/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](https://blogs.oracle.com/java-platform-group/entry/liveconnect_changes_in_7u45)  [**Oracle Releases New Diagnostic, Monitoring, Security and Deployment Capabilities for Java SE 7**](http://www.oracle.com/us/corporate/press/2008412)(Press Release)  [Video](http://medianetwork.oracle.com/video/player/2525304441001)  [**Java Mission Control**](http://docs.google.com/technetwork/java/javaseproducts/mission-control/index.html)  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](http://docs.google.com/technetwork/java/javaseproducts/documentation/jmc54-release-notes-2255129.html)   [Demo](http://www.youtube.com/watch?v=WMEpRUgp9Y4&feature=youtu.be)   [White Paper](http://docs.google.com/technetwork/java/javaseproducts/mission-control/java-mission-control-wp-2008279.pdf)  [**Deployment Rule Set**](https://blogs.oracle.com/java-platform-group/entry/introducing_deployment_rule_sets)  Deployment rule set allows a desktop administrator to control the level of Java client compatibility and default prompts across an organization. [Documentation](http://docs.oracle.com/javase/7/docs/technotes/guides/jweb/deployment_rules.html)  [**Java API Documentation Updater Tool**](http://docs.google.com/technetwork/java/javase/downloads/java-doc-updater-tool-1955731.html)  [**Java Usage Tracking and Visualization with Oracle Fusion Middleware**](http://docs.google.com/technetwork/java/javase-advanced-suite/java-usage-tracking-1942293.pdf)  [**Server JRE**](http://docs.google.com/technetwork/java/javase/downloads/index.html)  Starting with Java SE 7u21, a Server Java Runtime Environment (Server JRE) package is available for deploying Java applications on servers. [Learn More](http://docs.google.com/technetwork/java/javase/7u-relnotes-515228.html)  [**Java Applet & Web Start - Code Signing**](http://docs.google.com/technetwork/java/javase/tech/java-code-signing-1915323.html)  Starting with Java SE 7u21 all Java Applets and Web Start Applications are encouraged to be signed with a trusted certificate. [Learn More](http://docs.google.com/technetwork/java/javase/tech/java-code-signing-1915323.html)  **[Archive of Technical Articles](http://www.oracle.com/technetwork/articles/java/index-141532.html#stan)** | Updates **[Java SE 8u91 and 8u92 Released](http://docs.google.com/technetwork/java/javase/downloads/index.html)**  Java SE 8u91 is the latest Security Alert releases for JDK 8. Java SE 8u92 is the latest patch-set update with additional features.  arrow [Release Notes](http://docs.google.com/technetwork/java/javase/8u-relnotes-2225394.html)    [Download](http://docs.google.com/technetwork/java/javase/downloads/index.html) Products and Training   [**Oracle Java SE Advanced & Suite**](http://www.oracle.com/us/technologies/java/standard-edition/support/overview/index.html)  Expert monitoring, diagnostics, and centralized management for enterprise and ISV Java-based applications.  **[Oracle Java SE Support](http://www.oracle.com/us/technologies/java/standard-edition/support/overview/index.html)**  Access Oracle Premier Support for the components and features included with Java SE.  **Training & Certification:**   * [Java SE 8 Programming](http://education.oracle.com/pls/web_prod-plq-dad/db_pages.getCourseDesc?dc=D84838) * [Java SE 8 Fundamentals](http://education.oracle.com/pls/web_prod-plq-dad/db_pages.getCourseDesc?dc=D83527) * [Java SE 8 New Features](http://education.oracle.com/pls/web_prod-plq-dad/db_pages.getCourseDesc?dc=D80895) * [Java Performance Tuning with Mission Control and Flight Recorder](http://education.oracle.com/pls/web_prod-plq-dad/db_pages.getCourseDesc?dc=D82346) * [Java SE 7 Certification: Raising The Bar](http://education.oracle.com/pls/web_prod-plq-dad/db_pages.getpage?page_id=516) * [Java Training - Oracle University](http://education.oracle.com/pls/web_prod-plq-dad/db_pages.getpage?page_id=402&p_nl=JJAV&p_key=Java_Training)   **?**  **[Learn More about Java Software](https://www.oracle.com/java/index.html)**  Java can reduce costs, drive innovation, and improve application services. Community **[JavaOne 2015 has concluded, but the Learning Lives On](http://www.oracle.com/javaone/index.html?src=OW-J1-CE-J1AD-07312014-WWMK11054264MPP001C079+)**  Did you miss a JavaOne keynote or session? You can find those here. And '[Save the Date](https://go.oracle.com/LP=21808)' for Oracle OpenWorld 2016 September 18-22, 2016!  **[Java 8 Event Kit](https://www.java.net/node/add/create-future-java-8)**  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](https://www.java.net/node/add/create-future-java-8)  **[Adopt a JSR Program](http://java.net/projects/jugs/pages/AdoptAJSR)**  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](http://java.net/projects/jugs/pages/AdoptAJSR)  [**Java.net**](http://home.java.net/)- The Source for Java Technology Collaboration  **[Java Embedded Community](http://community.java.net/community/embedded)**  **[JavaFX Community](http://community.java.net/community/javafx)**  **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. |

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| Participate   **[Make the Future Java Outreach Program](http://www.oracle.com/events/global/en/java-outreach/index.html)**  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)](http://www.java.net/jugs/java-user-groups)**  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](http://www.java.net/jug-profile-map) and become a part of the Java community today!  **[Java ForumsI Code Java](https://community.oracle.com/community/java)**  Read about and share ideas and suggestions about Java technology on the discussion forums. Start with the [New to Java](https://community.oracle.com/community/java/java_essentials/new_to_java) or the more advanced [Java Programming](https://community.oracle.com/community/java/java_essentials/java_programming) category.  [**Gimme Java**](http://www.oracle.com/us/technologies/java/gimmejava/index.html) **- Show your true colors!**  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. |

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