

Setting up the Development Environment

You will need a development environment for writing, debugging, and testing your Java code and applications. While there are many IDEs (Integrated Development Environments) that you can use, I would like everyone in class to use Eclipse. Everyone being on the same development platform makes sharing code much easier. In the end, once you have learned how one IDE works, you will be able to comfortably navigate others. I want you to learn now to use, navigate, and be productive with Eclipse; doing so will make you a more productive programmer.

Step 1 - From Oracle, download and install the latest stable version of the Java SE Development Kit for your operating system: <https://www.oracle.com/java/technologies/downloads/> (<https://www.oracle.com/java/technologies/downloads/>).

At the time of this writing, the latest stable version is 25.0.2.

Step 2 - Download your IDE. In this case, Eclipse.

- Download Eclipse from <https://www.eclipse.org/downloads/packages/> (<https://www.eclipse.org/downloads/packages/>) (See the screen capture below, and ensure you select the correct install for your machine).

Eclipse Tutorials:

- [How to use Eclipse for Java programming](https://youtu.be/RJPL8oSYWGo?si=VH_syAMmqZkHOHi1) (https://youtu.be/RJPL8oSYWGo?si=VH_syAMmqZkHOHi1)

[30+ Eclipse Shortcuts Every Java Programmer Should Know](https://youtu.be/LIGkIGdmHII?si=sMYVp1pcRk3JrnnM) (<https://youtu.be/LIGkIGdmHII?si=sMYVp1pcRk3JrnnM>)

The screenshot shows the Eclipse IDE 2025-12 R Packages download page. The page features the Eclipse Foundation logo and navigation links. A prominent 'Download' button is located in the top right corner. A red speech bubble points to the 'Download' button with the text 'Select the correct download for your computer.' Below the main content, there are links for 'Eclipse IDE for Java Developers' and 'Eclipse IDE for Enterprise Java and Web Developers'. A 'RELATED LINKS' section is also visible.

Eclipse IDE 2025-12 R Packages

The Eclipse Installer 2025-12 R now includes a JRE for macOS, Windows and Linux.

Try the Eclipse **Installer 2025-12 R**

The easiest way to install and update your Eclipse Development Environment.

Find out more

405,287 Installer Downloads

731,586 Package Downloads and Updates

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macOS x86_64 | AArch64
Windows x86_64 | AArch64
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Eclipse IDE for Java Developers

353 MB | 400,333 DOWNLOADS

The essential tools for any Java developer, including a Java IDE, a Git client, XML Editor, Maven and Gradle integration

Eclipse IDE for Enterprise Java and Web Developers

Windows: AArch64 | x86_64
macOS: AArch64 | x86_64
Linux: AArch64 | riscv64 | x86_64

RELATED LINKS

- Compare & Combine Packages
- New and Noteworthy
- Documentation
- Updating Eclipse
- Simultaneous Release
- Eclipse Foundation Chat
 - Eclipse IDE General
 - Eclipse IDE Newcomers
- Contributing to the Eclipse IDE