

Install JDK and Eclipse for the Mac

The short version:

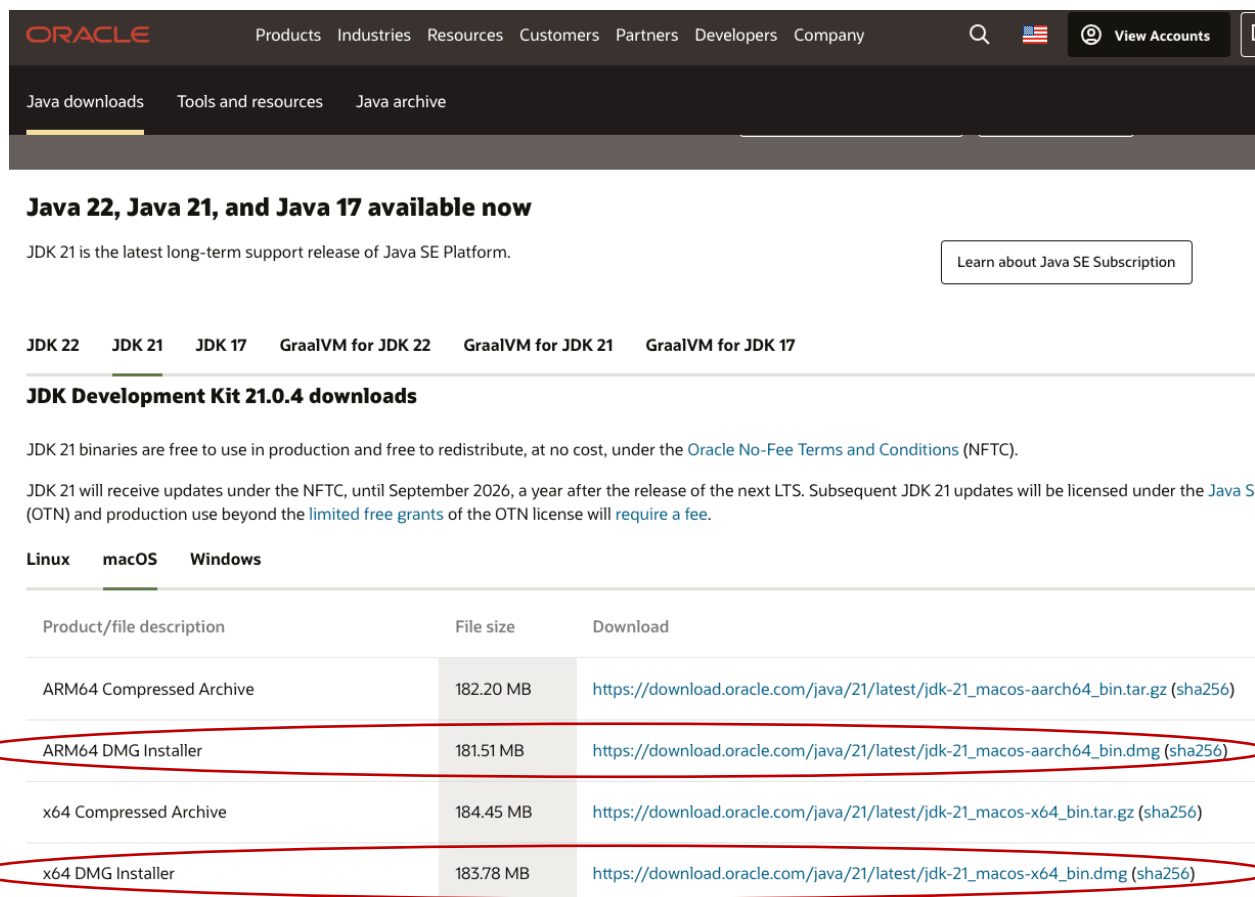
1. Download and install the JDK
<https://www.oracle.com/java/technologies/downloads/>
2. Download and Install Eclipse
<https://www.eclipse.org/downloads/>

Java Development Kit

Navigate to <https://www.oracle.com/java/technologies/downloads/> .

Download the JDK installer. I selected version 21 because it has long-term support.

Select the installer for your Mac's architecture. You can find your processor by going to the Apple Menu and selectin "About this Mac". M1, M2, or M3 Macs will use the ARM64 version.



The screenshot shows the Oracle Java Downloads page for JDK 21.0.4. The page is titled "Java 22, Java 21, and Java 17 available now". It lists various download options for JDK 21, including ARM64 and x64 compressed archives and DMG installers. The "macOS" tab is selected, and the "ARM64 DMG Installer" and "x64 DMG Installer" are circled in red. The download links for these installers are also circled in red.

Product/file description	File size	Download
ARM64 Compressed Archive	182.20 MB	https://download.oracle.com/java/21/latest/jdk-21_macos-aarch64_bin.tar.gz (sha256)
ARM64 DMG Installer	181.51 MB	https://download.oracle.com/java/21/latest/jdk-21_macos-aarch64_bin.dmg (sha256)
x64 Compressed Archive	184.45 MB	https://download.oracle.com/java/21/latest/jdk-21_macos-x64_bin.tar.gz (sha256)
x64 DMG Installer	183.78 MB	https://download.oracle.com/java/21/latest/jdk-21_macos-x64_bin.dmg (sha256)

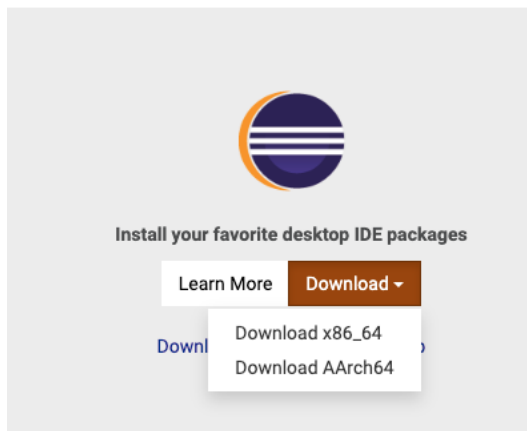
Install:

Open the file you just downloaded.



Open the pkg file.
Step through the install process

Navigate to <https://www.eclipse.org/downloads/>
Download Eclipse. Select your Mac's architecture. M1, M2, M3 macs use AArch64. Intel Macs use x86_64.

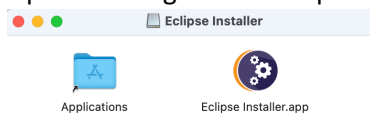


Download from: United States - XMission Internet (https)

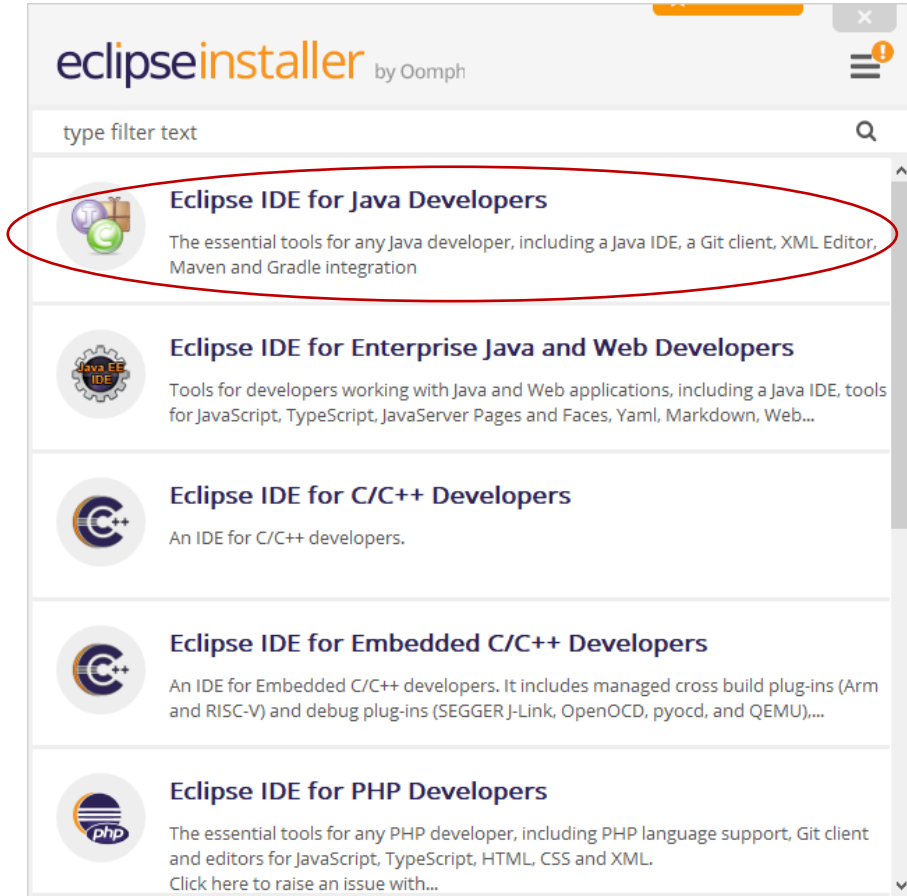
File: **eclipse-inst-jre-mac64.dmg** SHA-512

>> [Select Another Mirror](#)






Open the dmg file. Then open the Eclipse Installer App.



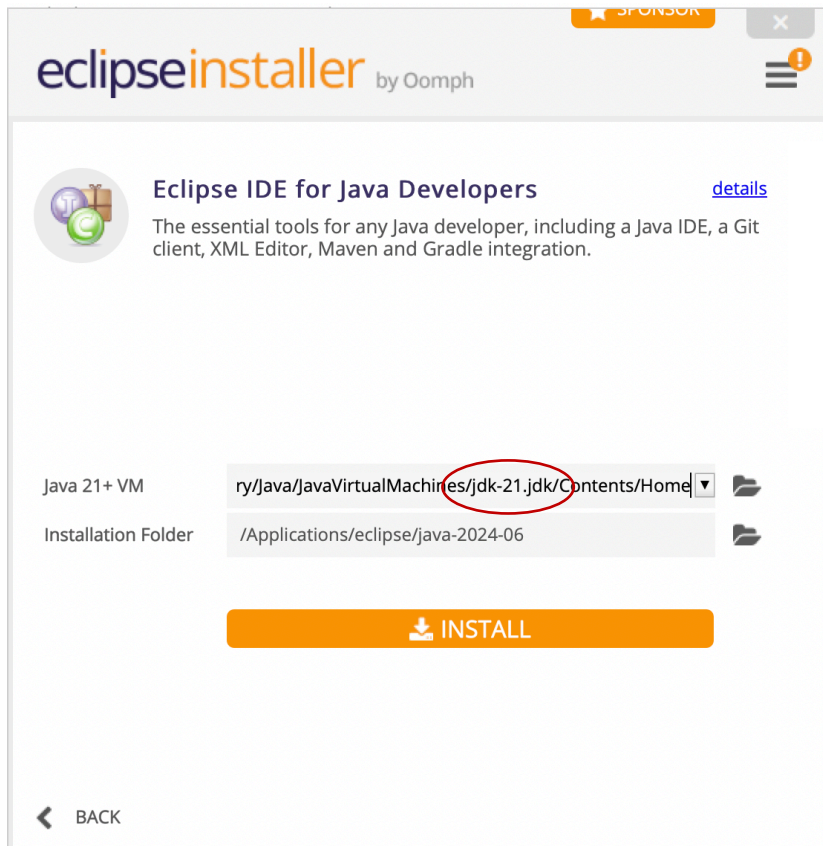
Select the Eclipse IDE for Java Developers.



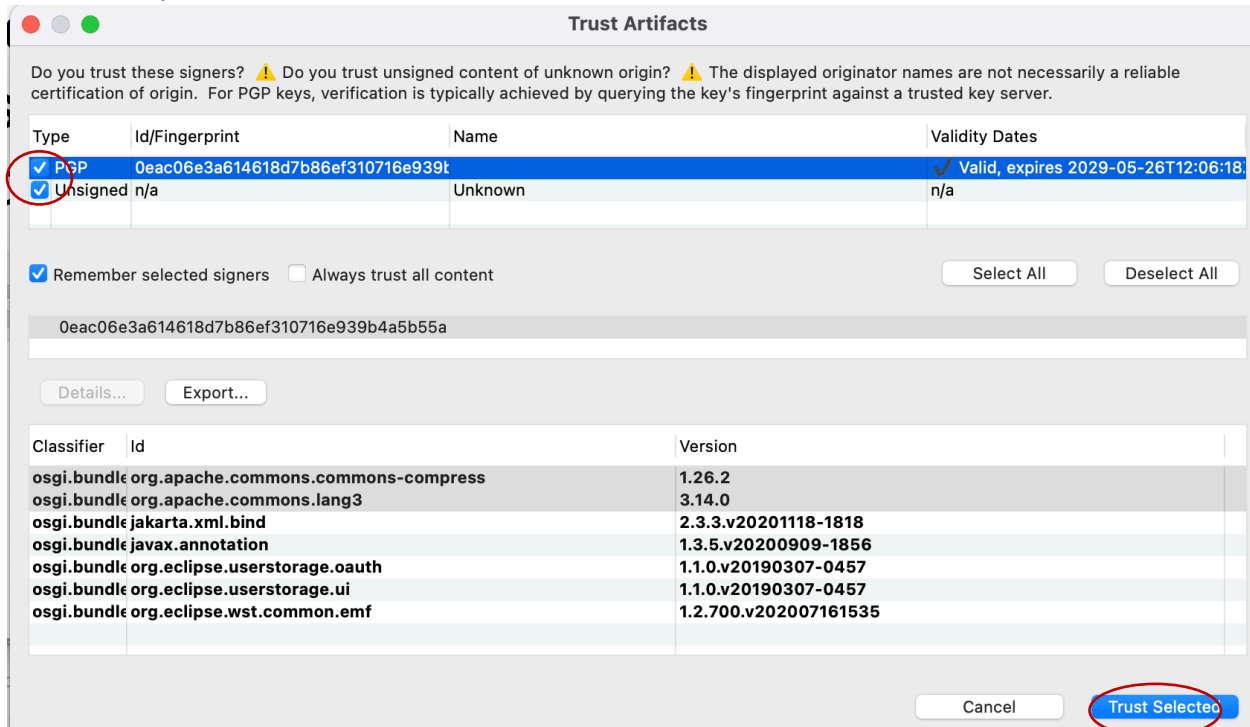
The screenshot shows the Eclipse Installer application window. The title bar reads "eclipseinstaller by Oomph". Below the title bar is a search bar with the placeholder text "type filter text" and a magnifying glass icon. The main content area displays a list of five IDE options, each with a circular icon, a title, and a brief description. The first option, "Eclipse IDE for Java Developers", is circled in red. The other options are "Eclipse IDE for Enterprise Java and Web Developers", "Eclipse IDE for C/C++ Developers", "Eclipse IDE for Embedded C/C++ Developers", and "Eclipse IDE for PHP Developers".

Icon	IDE Name	Description
	Eclipse IDE for Java Developers	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	Tools for developers working with Java and Web applications, including a Java IDE, tools for JavaScript, TypeScript, JavaServer Pages and Faces, Yaml, Markdown, Web...
	Eclipse IDE for C/C++ Developers	An IDE for C/C++ developers.
	Eclipse IDE for Embedded C/C++ Developers	An IDE for Embedded C/C++ developers. It includes managed cross build plug-ins (Arm and RISC-V) and debug plug-ins (SEGGER J-Link, OpenOCD, pyocd, and QEMU),...
	Eclipse IDE for PHP Developers	The essential tools for any PHP developer, including PHP language support, Git client and editors for JavaScript, TypeScript, HTML, CSS and XML. Click here to raise an issue with...

Be sure the VM matches the version of Java you just installed.



Select the keys to trust.



Run Eclipse. Select a folder to use as your cs111 workspace.

