

# Setup Instructions for Modern Java

Instructions are included for Windows and MacOS. Choose between an IntelliJ or Eclipse installation.

Download this 3rd-party software:

- a. Download the JDK.

**Eclipse users must use JDK 15.0.2 because JDK 16.0.1 is not yet supported.**

JDK 16.0.1	<a href="https://www.oracle.com/java/technologies/javase-jdk16-downloads.html">https://www.oracle.com/java/technologies/javase-jdk16-downloads.html</a> (For IntelliJ)
JDK 15.0.2	<a href="https://www.oracle.com/java/technologies/javase/jdk15-archive-downloads.html">https://www.oracle.com/java/technologies/javase/jdk15-archive-downloads.html</a> (For Eclipse)

- b. IntelliJ IDE for Java SE Developers (2021.1.2 Community Edition)

Community	Windows 64-bit
	<a href="https://www.jetbrains.com/idea/download/download-thanks.html?platform=windows&amp;code=IIC">https://www.jetbrains.com/idea/download/download-thanks.html?platform=windows&amp;code=IIC</a>
	Mac OSX
	<a href="https://www.jetbrains.com/idea/download/download-thanks.html?platform=mac&amp;code=IIC">https://www.jetbrains.com/idea/download/download-thanks.html?platform=mac&amp;code=IIC</a>

- c. Or, Eclipse IDE for Java SE Developers (2021-03)

2021-03	Windows 64-bit
	<a href="https://www.eclipse.org/downloads/download.php?file=/oomph/epp/2021-03/R/eclipse-inst-win64.exe">https://www.eclipse.org/downloads/download.php?file=/oomph/epp/2021-03/R/eclipse-inst-win64.exe</a>
	Mac OSX
	<a href="https://www.eclipse.org/downloads/download.php?file=/oomph/epp/2021-03/R/eclipse-inst-jre-mac64.dmg">https://www.eclipse.org/downloads/download.php?file=/oomph/epp/2021-03/R/eclipse-inst-jre-mac64.dmg</a>

## **Configuring for Windows:**

### **JDK 16 installation**

1. Download and install JDK 16. Default installation directory will be: C:\Program Files\Java\jdk-16.0.1
2. Configure JAVA\_HOME environment variable in your System Variables to \PROGRA~1\Java\jdk-16.0.1
3. Configure PATH environment variable in your System Variables, add to the beginning of the PATH variable -> %JAVA\_HOME%\bin;
4. Test your Java environment from the new command prompt window
  - a. java -version
  - b. javac -version

### **IntelliJ installation**

5. Execute the downloaded IntelliJ installation from your browser and accept the defaults.
6. Test your IntelliJ installation.

### **Eclipse installation**

7. Execute the downloaded .exe file.
8. Execute the Eclipse installer.
9. Select the “Eclipse IDE for Java Developers” and select Install and accept the license agreement as well as the Eclipse Foundation Software Agreements. Select and accept the Eclipse Foundation; Java Software Code Signing certificates.
10. Start Eclipse from the Launch button or from Applications.

## **Configuring for MacOS:**

### **JDK 16 installation**

1. Download and install JDK 16. Default installation directory will be /Library/Java/JavaVirtualMachines/jdk-16.0.1.jdk/Contents/Home
2. Configure JAVA\_HOME environment variable in your ~/.bash\_profile, e.g. export JAVA\_HOME=/Library/Java/JavaVirtualMachines/jdk-16.0.1.jdk/Contents/Home/
3. Test your Java environment from the new command prompt window
  - a. java -version
  - b. javac -version

### **IntelliJ installation**

4. Execute the downloaded .dmg file. Drag the IntelliJ icon to Applications
5. Test your IntelliJ installation

### **Eclipse installation**

6. Execute the downloaded .dmg file
7. Execute the Eclipse installer. Select the pre-installed JDK version for Java and /Applications/Eclipse as the installation folder.
8. Select the “Eclipse IDE for Java Developers” and select Install and accept the license agreement as well as the Eclipse Foundation Software Agreements. Select and accept the Eclipse Foundation; Java Software Code Signing certificates.
9. Start Eclipse from the Launch button or from Applications.