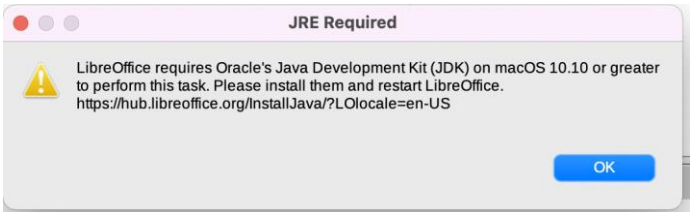
Installing JDK and LibreOffice on macOS

By Roland Gesthuizen and Trevor Molloy 2025-02-10 V1.0

After installing Libre Office, some users may see the following JRE error.



Read this page for instructions how to fix this problem WinOS or macOS computers.
https://wiki.documentfoundation.org/Faq/General/InstallJava

LibreOffice requires **Java Development Kit (JDK)**, not the Java Runtime Environment (JRE).
This is essential for running features such as **macros and the Base database component**.

For macOS 10.10 and newer, **you must install the JDK, not JRE**.
Using only JRE will result in Java-related errors in LibreOffice.
Recommended JDK version:

- **Oracle JDK 17+** (https://www.oracle.com/java/technologies/downloads/)

Watch this video

Watch this video for a walk through for installing Java and Libre Office on Apple M1 Silicon.
https://www.youtube.com/watch?v=6j7KjnSK_MA

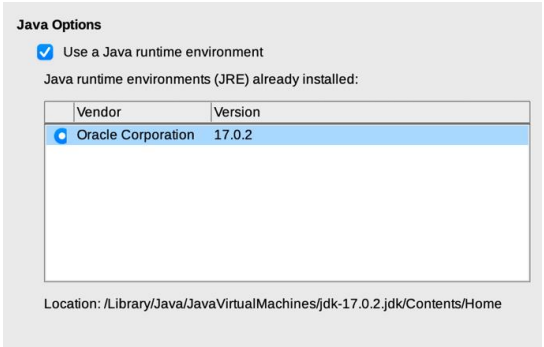
Checking Your macOS Version

1. Click the Apple logo **(top-left corner)**.
2. Select **"About This Mac"** to view your macOS version.
3. Ensure you download the correct LibreOffice and JDK versions based on your Mac's processor (**Intel or Apple Silicon**).



Check your Java Installation

Click on **LibreOffice > Preferences > Advanced**



Step-by-Step Guide to Installing JDK and LibreOffice

1. Remove Old Java & LibreOffice Installations

- Uninstall any previous versions of Java or LibreOffice to prevent conflicts.
- Restart your Mac after uninstalling.

2. Install the Correct JDK

- **Intel-based Macs:** Download and install the **x64 JDK**.
- **Apple Silicon (M1, M2, M3) Macs:** Download and install the **AARCH64 (ARM64) JDK**.
- Follow the installation prompts and restart your Mac after installing.

3. Install the Latest LibreOffice

- Download the latest **stable** version: https://www.libreoffice.org/download/download/
- **Choose the correct version:**
  - **Intel-based Macs:** Download the x86_64 version.
  - **Apple Silicon (M1/M2/M3):** Download the AARCH64 version.
- Install LibreOffice as usual and restart your Mac if needed.

4. Enable Java in LibreOffice

1. Open **LibreOffice** then go to **LibreOffice > Preferences > Advanced**.
2. Ensure Java is detected. If not:
   a. Click **"Add"** then Navigate to **/Library/Java/JavaVirtualMachines/**
   b. Select the installed JDK folder.

5. Grant Security Permissions (For macOS Ventura & Sonoma Users)

If macOS blocks Java, go to:

- **System Settings > Privacy & Security > Allow "Java Development Kit"**

Troubleshooting

- **LibreOffice does not detect Java?**
  - Ensure you installed the **JDK, not JRE**.
  - Check **Preferences > Advanced** and manually add the JDK if necessary.
  - Restart LibreOffice after installation.
- **LibreOffice crashes or freezes?**
  - Ensure you installed the correct **AARCH64 or x64** version for your Mac.
  - Try reinstalling both JDK and LibreOffice.
- **Need further help?**
  - Official FAQ: https://wiki.documentfoundation.org/Faq/General/InstallJava