Installation Guide for Spring Boot and Eclipse EE IDE

This step-by-step guide will walk you through installing and configuring the necessary tools to develop Spring Boot enterprise applications using Tomcat.

1. Install Java SDK

Spring Boot requires Java SDK (JDK) version 17 or later.

Step 1.1: Download Java SDK

- Visit the Oracle Java Downloads or OpenJDK.
- Download the Java SDK for your operating system (Windows, macOS, or Linux).

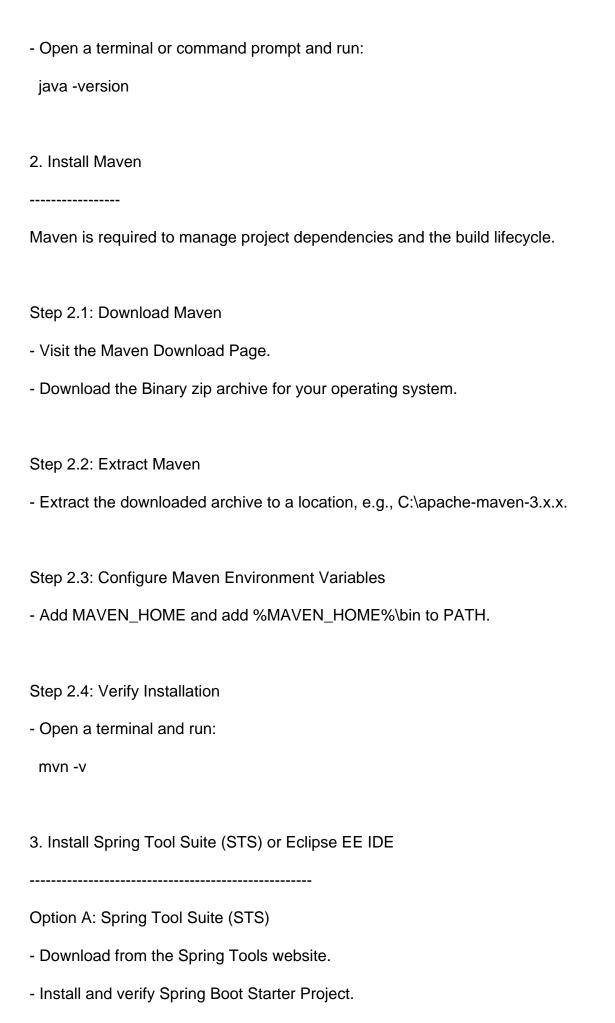
Step 1.2: Install Java SDK

- Run the installer and follow the on-screen instructions.
- Note the installation directory (e.g., C:\Program Files\Java\jdk-17).

Step 1.3: Configure JAVA HOME and PATH Environment Variables

- Set JAVA_HOME:
 - Add a new System Variable:
 - Name: JAVA_HOME
 - Value: Installation path (e.g., C:\Program Files\Java\jdk-17).
- Update PATH:
 - Add %JAVA_HOME%\bin to the PATH.

Step 1.4: Verify Installation



Option B: Eclipse EE IDE
- Download Eclipse IDE for Enterprise Java and Web Developers.
- Install Spring Tools Plugin from Eclipse Marketplace.
4. Set Up Tomcat for Deployment
- Download Apache Tomcat from the Tomcat website.
- Configure Tomcat in Eclipse/STS under Window > Preferences > Server > Runtime Environments.
5. Create Your First Spring Boot Project
- File > New > Spring Starter Project.
- Select dependencies like Web, Spring DevTools, and JSP (optional).
6. Verify the Setup
- Java: java -version
- Maven: mvn -v
- STS/Eclipse: Launch and create a sample project.
- Tomcat: Deploy and run the application.
This setup ensures a smooth development environment for Spring Boot enterprise applications with

Tomcat.