**Steps to Fix the Missing Dependency**

**1. Verify pom.xml Dependency**

Ensure that the spring-boot-starter-web dependency is correctly defined in your pom.xml file:

xml

Copy code

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-web</artifactId>

</dependency>

After adding this, save the file.

**2. Refresh Maven Project in Eclipse**

Eclipse might not automatically recognize new dependencies. To fix this:

1. **Right-click** on your project in the Project Explorer.
2. Select **Maven > Update Project...**.
3. In the dialog box, select your project and click **OK**.

**3. Check Internet Connectivity**

Maven needs an internet connection to download dependencies. Ensure you're connected to the internet. You can also trigger the dependency download manually:

bash

Copy code

mvn clean install

**4. Check Maven Repository**

If the dependency is not downloading:

* Navigate to your local Maven repository (~/.m2/repository on Linux/macOS or %USERPROFILE%\.m2\repository on Windows).
* Look for the directory: org/springframework/boot/spring-boot-starter-web.
* If it’s missing, delete the org/springframework/boot folder and re-run:

bash

Copy code

mvn clean install

**5. Update Maven Configuration**

Ensure your Maven settings are correct:

1. Locate your settings.xml file (in ~/.m2/ or your Maven installation directory's conf/ folder).
2. Add/update the central repository URL:

xml

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<mirrors>

<mirror>

<id>central</id>

<url>https://repo.maven.apache.org/maven2</url>

<mirrorOf>central</mirrorOf>

</mirror>

</mirrors>

**6. Fix Eclipse Build Path**

If Eclipse doesn't recognize the dependency even after updating Maven:

1. **Right-click** on your project.
2. Select **Build Path > Configure Build Path...**.
3. Under the **Libraries** tab, ensure Maven Dependencies is listed. If not, re-run the **Update Project** process.

**7. Clear and Rebuild the Project**

1. **Right-click** on your project.
2. Select **Maven > Update Project...**.
3. Select the project and click **Force Update of Snapshots/Releases**.
4. Clean and rebuild the project:
   * Go to **Project > Clean...**.
   * Select your project and click **OK**.