

# Installing Java for the Framework



## Important

Aspire 4.0 runs on Java SE 11.

## Install the Java Components

---

### Download and install Java

This is the version that is appropriate for the system that will run Aspire: <http://java.com/en/download/manual.jsp>

1. If you have a 64-bit machine, install the 64-bit version of Java. That will allow you to create large-memory instances of Aspire.

The Aspire framework itself does not use up that much memory (100mb or so). However, some applications may store big hash tables to improve performance, so it's best to have the 64-bit JVM just in case you need it someday.

### Test your access to the "java" command from your console

1. Open a new DOS command-shell. (Go to the Start menu, and enter "cmd" where it says **Run** or **Search for Programs**, and then execute the cmd.exe program).
2. At the prompt, enter the following and press **Enter**: java -version.

Success is indicated when version information is returned.

```
> java -version
java version "11.0.2" 2019-01-15 LTS
Java(TM) SE Runtime Environment 18.9 (build 11.0.2+9-LTS)
Java HotSpot(TM) 64-Bit Server VM 18.9 (build 11.0.2+9-LTS, mixed mode)
```

### Add the "JAVA\_HOME" environment variable

This is needed by the Maven command-line tool. In Windows:

1. Open the control panel.
2. Go to **System > Advanced System Settings > Advanced > Environment Variables**.
3. Under **System variables**, click **New**.
4. Enter "JAVA\_HOME" as the **Variable name**.
5. Locate the directory within your Program files where java was installed.
6. Enter this directory name as the **Variable value**.

For Linux systems:

1. In Linux, open a terminal.
  2. Type "echo \$JAVA\_HOME" and press Enter. If nothing is displayed, we can set it at startup by doing step 3.
  3. Type "echo JAVA\_HOME=/your/java/directory >> ~/.profile"
  4. Logout and login again, repeating steps 1 and 2 to check if JAVA\_HOME was successfully set.
-