

Tips for Running LightSIDE on PC – Java 8 version

1. **Install Java 8** (also called "Java 1.8"). **You must use Java 8 for the version of LightSIDE accompanying this Tips file.** If you will have multiple versions of Java, after you install Java 8 you can manage your Java versions using the instructions on page 2. Alternatively, it is simpler to remove other Java versions from your system.
 - a. ***** Optional ***: Uninstall other versions of Java.** (Alternatively, if you will have more than one Java version, sample instructions for managing multiple versions are provided on page 2.)
 - i. Windows 10 and previous:
https://www.java.com/en/uninstall/uninstall_instructions.html
 - ii. Windows 11: <https://www.testingdocs.com/uninstall-java-on-windows-11/>
 - b. **Install Java 8.**
 - i. Link: <https://www.oracle.com/java/technologies/downloads/>
 - ii. Scroll down to "Java SE subscribers have more choices" >>> Java 8 tab >>> Java SE Development Kit 8u381 >>> Windows tab
 - iii. Download the installer that corresponds to your machine's architecture:
 1. 64-bit (most machines these days): jdk-8u381-windows-x64.exe
 2. 32-bit: jdk-8u381-windows-i586.exe
 - iv. Double-click on the installer and follow the prompts.

After Java 8 installation:

- *If you have more than one Java, see page 2 for instructions on managing Java versions.*
- *See page 3 for instructions on running LightSIDE.*

2. **If you have more than one Java, you can manage them so that you use Java 8 for LightSIDE.** A relatively easy method is described below with a link along with specific tips for using the link.
- a. Follow the instructions at <https://medium.com/test-automation-hub/how-to-switch-between-multiple-jdks-java-on-windows-abb884d9c22c>.
 - b. Your other versions of Java should be installed in the same directory as Java 8 – e.g., `C:\Program Files\Java\`. *The remainder of this help assumes the same directory path. If your path is different, adjust accordingly.*
 - c. Sample content of `C:\Program Files\Java\` for Java versions 8 (i.e., 1.8), 11, and 17 follow. *Again, if your Java version paths are different (which is likely because there are many Java versions), adjust accordingly.*
 - i. `jdk1.8.0_321`
 - ii. `jdk-11.0.14`
 - iii. `jdk-17.0.2`
 - d. To edit System environment variables, in your Windows search box, enter "environment variables" and then select "Edit the system environment variables."
 - e. Edit System Variable JAVA_HOME to set your default Java version. `C:\Program Files\Java\jdk1.8.0_321`
 - i. *Adjust according to your particular path and preferred default Java. This particular path is set for a version of Java 8 (1.8).*
 - f. Edit User environment variable 'Path'. Add the following if they are not already present:
 - i. `C:\Program Files\Common Files\Oracle\Java\javapath`
 - ii. `%JAVA_HOME%\bin`
 - iii. `C:\Program Files\Java\scripts`
 - g. Sample scripts are provided in the *lightside.zip* file in directory `sample_java_version_scripts_for_pc`: `java8.bat`, `java11.bat`, `java17.bat`. Place the individual scripts (not the sample_... directory) in a `\scripts\` directory within the same directory as your Java versions – e.g., `\Program Files\Java\scripts\`. *These scripts are samples for the particular Java versions listed in item (c). If your paths are different or your Java versions are different (again, this is likely), adjust accordingly.*
 - h. After the above is completed, you may need to restart your PC for all of the updates to take effect.
 - i. To check your current Java version:
 - i. In a command prompt terminal, enter `java -version`.
 - j. **To switch java versions:** Enter the name of the corresponding script from step (g), omitting the '.bat' at the end.
 - i. E.g., enter `java8`
 - ii. You can then check your current Java version using the command above.

3. Run LightSIDE.

Finder method – If this method doesn't work for you, try the Terminal Method below.

- a. Open a Finder window.
- b. Navigate to the directory where LightSIDE is installed – the same directory that this document is in. E.g., Desktop\lightside.
- c. Make sure you are running Java 8. (See the previous pages for help installing Java 8 and/or managing multiple versions of Java.)
- d. Double-click file LightSIDE.bat. If you get a message that it is from an unidentified developer, approve it.

Terminal Method

- a. In a terminal window, navigate to the directory where LightSIDE was downloaded (or if you moved it, where it is installed) – the same directory that this document is in. E.g.: `cd Desktop\lightside`
- b. Verify that your current Java version is Java 8 (aka 1.8): `java -version`
 - i. *If it is not, see the preceding instructions on installing Java 8 and, if necessary, managing multiple versions of Java.*
- c. Enter: `.\LightSIDE.bat`. (Include the period "." at the beginning of the command.)

4. Further troubleshooting.

If you have a problem running LightSIDE after following the instructions above, the file `lightside_log.log` at the top level of the LightSIDE directory will likely provide information about what went wrong. Scroll down to the bottom of the file to see the most recent log messages.