

Installing Java Guide for JDK 11

Fall 2022

In this class, we'll be using Java Development Kit (JDK) 11 as we design, write, and execute Java programs.

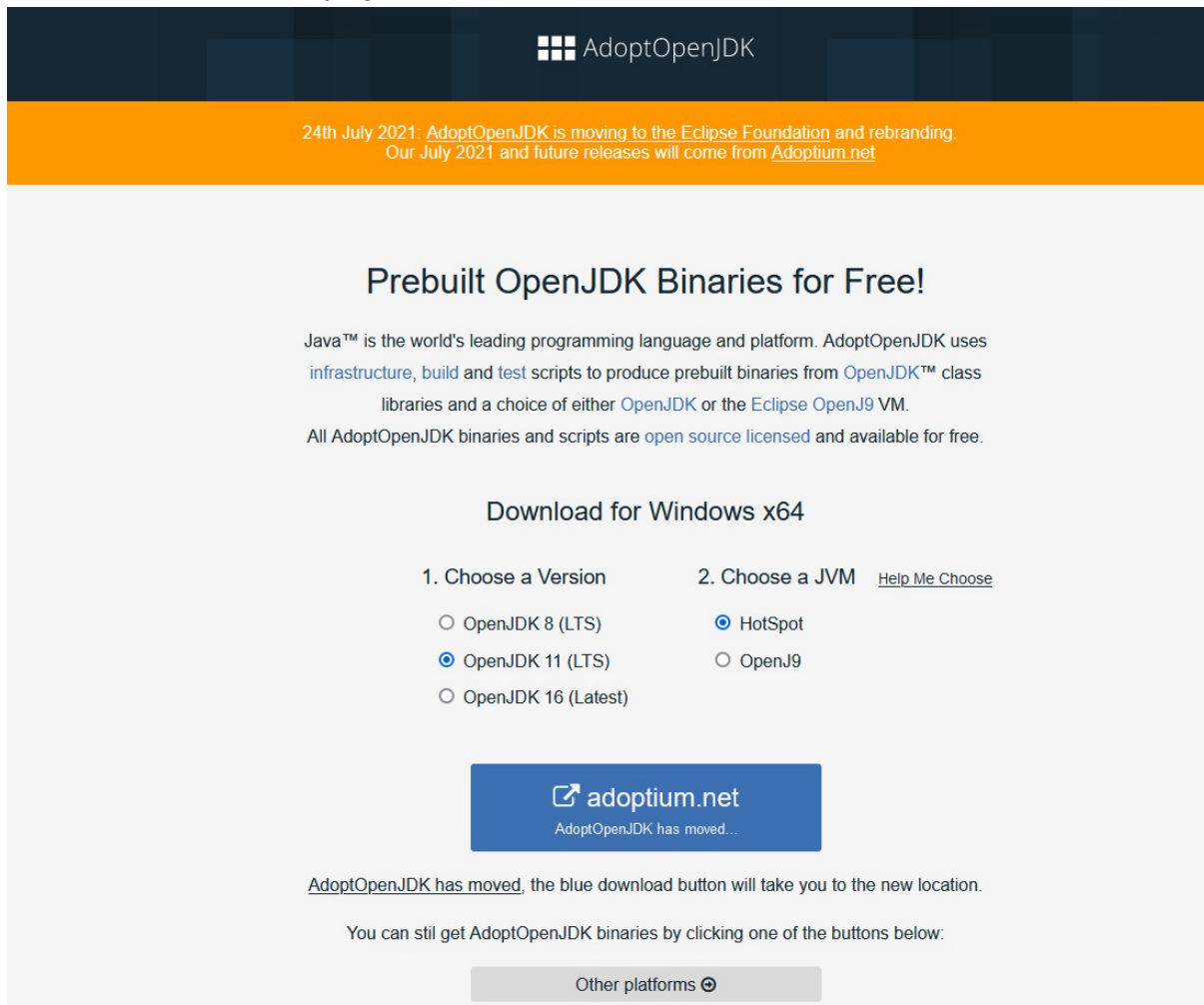
Downloading the Installer

We'll be getting our version of JDK 11 from AdoptOpenJDK, which distributes installers for each operating system.

Navigate to the following link:

<https://adoptopenjdk.net/?variant=openjdk11&jvmVariant=hotspot>

You should come to a page that looks like this:



The screenshot shows the AdoptOpenJDK website interface. At the top, there is a dark blue header with the AdoptOpenJDK logo. Below the header is an orange banner with a message: "24th July 2021: AdoptOpenJDK is moving to the Eclipse Foundation and rebranding. Our July 2021 and future releases will come from [Adoptium.net](https://adoptium.net)". The main content area has a light gray background and features the heading "Prebuilt OpenJDK Binaries for Free!". Below this, there is a paragraph explaining that Java™ is the world's leading programming language and platform, and that AdoptOpenJDK uses infrastructure, build, and test scripts to produce prebuilt binaries from OpenJDK™ class libraries and a choice of either OpenJDK or the Eclipse OpenJ9 VM. It also states that all binaries and scripts are open source licensed and available for free. The page is titled "Download for Windows x64" and has two columns of radio button options. The first column is "1. Choose a Version" with options for OpenJDK 8 (LTS), OpenJDK 11 (LTS) (selected), and OpenJDK 16 (Latest). The second column is "2. Choose a JVM" with options for HotSpot (selected) and OpenJ9. There is a link "Help Me Choose" next to the second column. Below the options is a blue button with the Adoptium.net logo and the text "AdoptOpenJDK has moved...". Below the button, there is a note: "AdoptOpenJDK has moved, the blue download button will take you to the new location." and another note: "You can still get AdoptOpenJDK binaries by clicking one of the buttons below:". At the bottom, there is a gray button labeled "Other platforms" with a dropdown arrow.

Click on the blue adoptium.net button to go to a page that allows you to download the right version for the type of computer and operating system that you have. For most of you, you likely will be looking for the .msi file (for Windows) or .pkg file (for Mac). Click the download button and follow your computer's instructions.

Testing our Installation

Once the installer has wrapped up, open a command prompt window. You can do this by searching for "Command Prompt" or "cmd" in Windows, or by running the Terminal app on macOS.

Once you're in, type the following command:

```
javac -version
```

You should see the following output:

```
javac 11.0.16
```

Then, type in this command:

```
java -version
```

You should see this output (or something very similar):

```
openjdk version "11.0.16" 2022-07-19
OpenJDK Runtime Environment Temurin-11.0.16+8 (build 11.0.16+8)
OpenJDK 64-Bit Server VM Temurin-11.0.16+8 (build 11.0.16+8,
mixed mode)
```

Congrats! You're all set up for this class.