

JDK Installation

It is recommended to install the specific jdk version used for this hands-on lab (openjdk 20.0.2).

For a Mac, if your chip is Apple, use this installer (To find which chip your Mac uses, click the Apple icon at the top left of the screen, then click 'About this Mac' and the display will indicate which chip is being used.

macOS Arm 64 DMG Installer

https://download.oracle.com/java/20/archive/jdk-20.0.2_macos-aarch64_bin.dmg
(sha256)

If your chip is Intel, use this installer:

macOS x64 DMG Installer

https://download.oracle.com/java/20/archive/jdk-20.0.2_macos-x64_bin.dmg (sha256)

Download the appropriate installer. Go to the downloads folder and doubleclick the dmg file, then doubleclick the pkg file and follow the instructions to install the jdk.

The jdk will be installed to:

/Library/Java/JavaVirtualMachines

IntelliJ IDEA Installation

This Lab requires an IDE, and in the course we are using IntelliJ IDEA. You will need to download and install IntelliJ IDEA. You can use the Community edition if you don't want to pay for the Ultimate edition. However, you can download and use a 30 day trial of the Ultimate edition.

Make sure to be on the correct tab for your OS. And again, for a Mac, select the dmg for the chip your Mac is using (Apple or Intel).

Download for the Ultimate (Professional) Edition:

<https://www.jetbrains.com/idea/download/?section=mac>

OR:

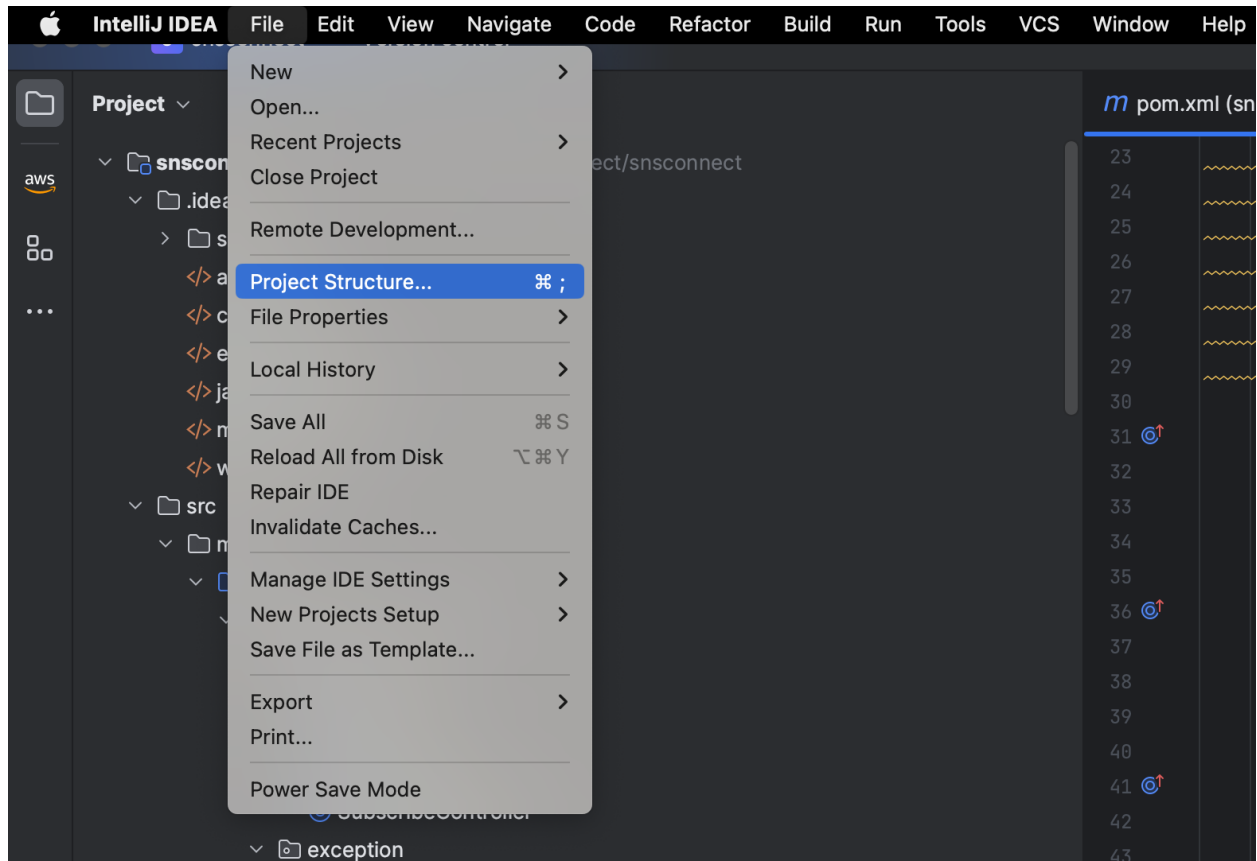
Download the Community edition:

<https://www.jetbrains.com/idea/download/other.html>

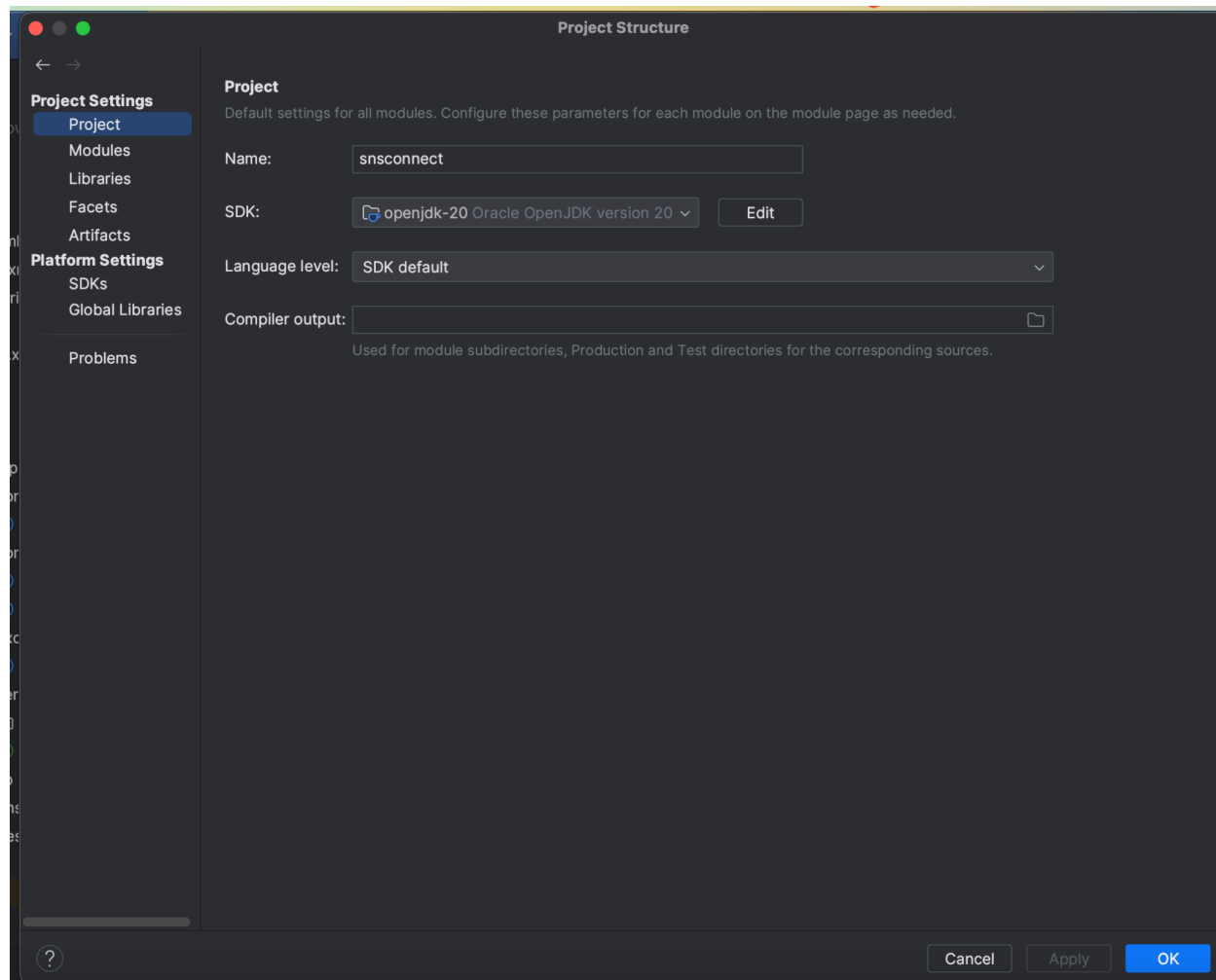
Run the installer and follow the Wizard steps.

Set the jdk in IntelliJ IDEA

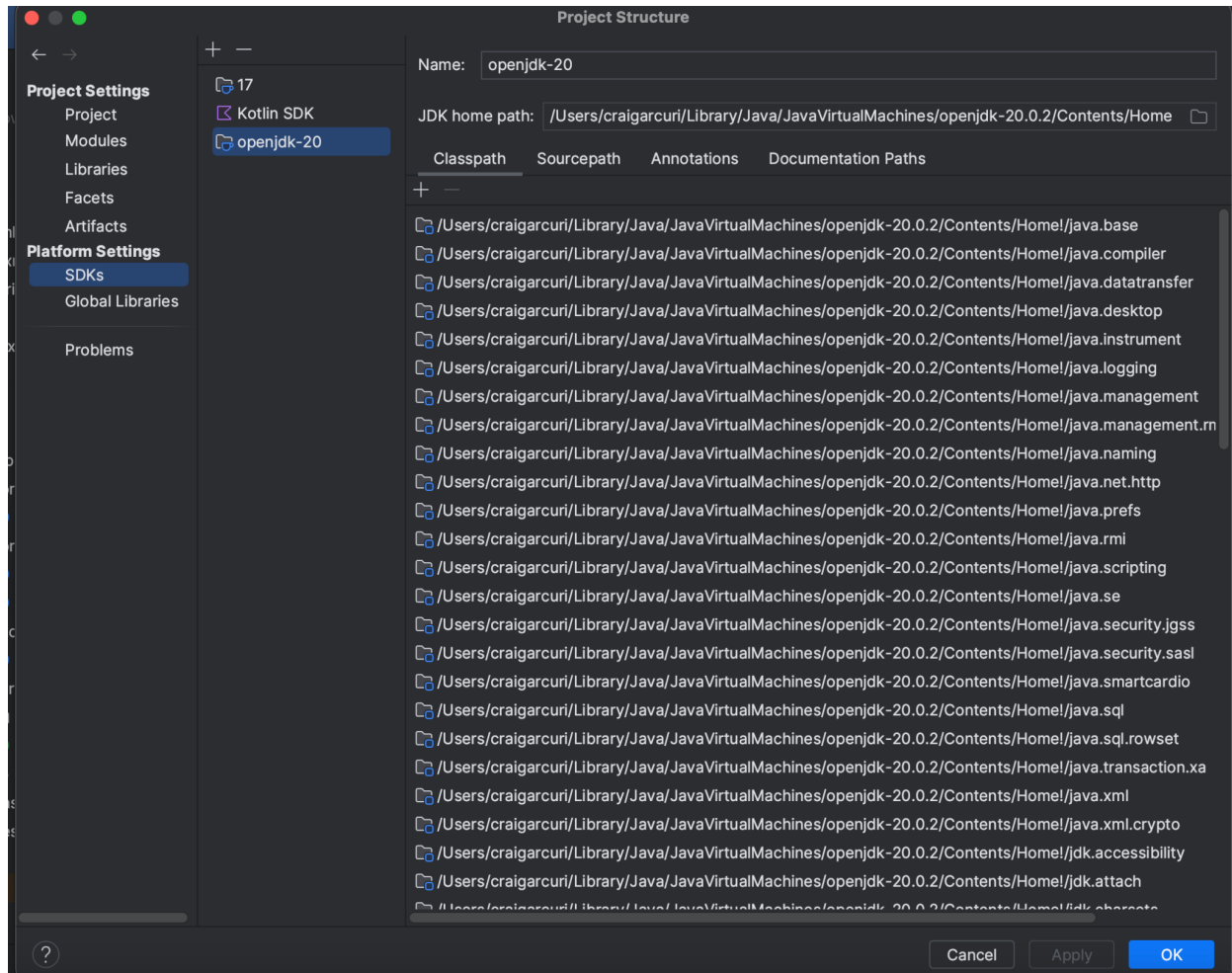
Open IntelliJ IDEA, click File → Project Structure



Then click the Edit button (IntelliJ comes with a default jdk, but you must have a jdk installed on your machine to develop in IntelliJ. We need to select the jdk we installed above):

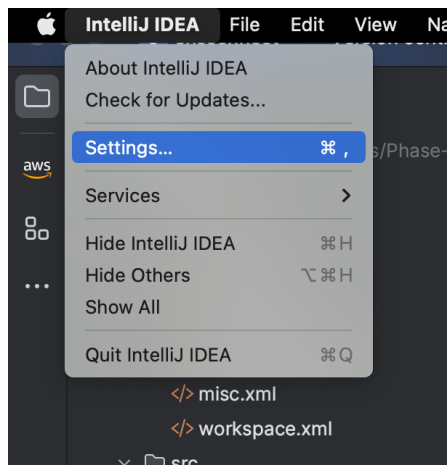


When you click edit, you will have a list of available jdk's, and need to select openjdk 20, then click 'OK'.

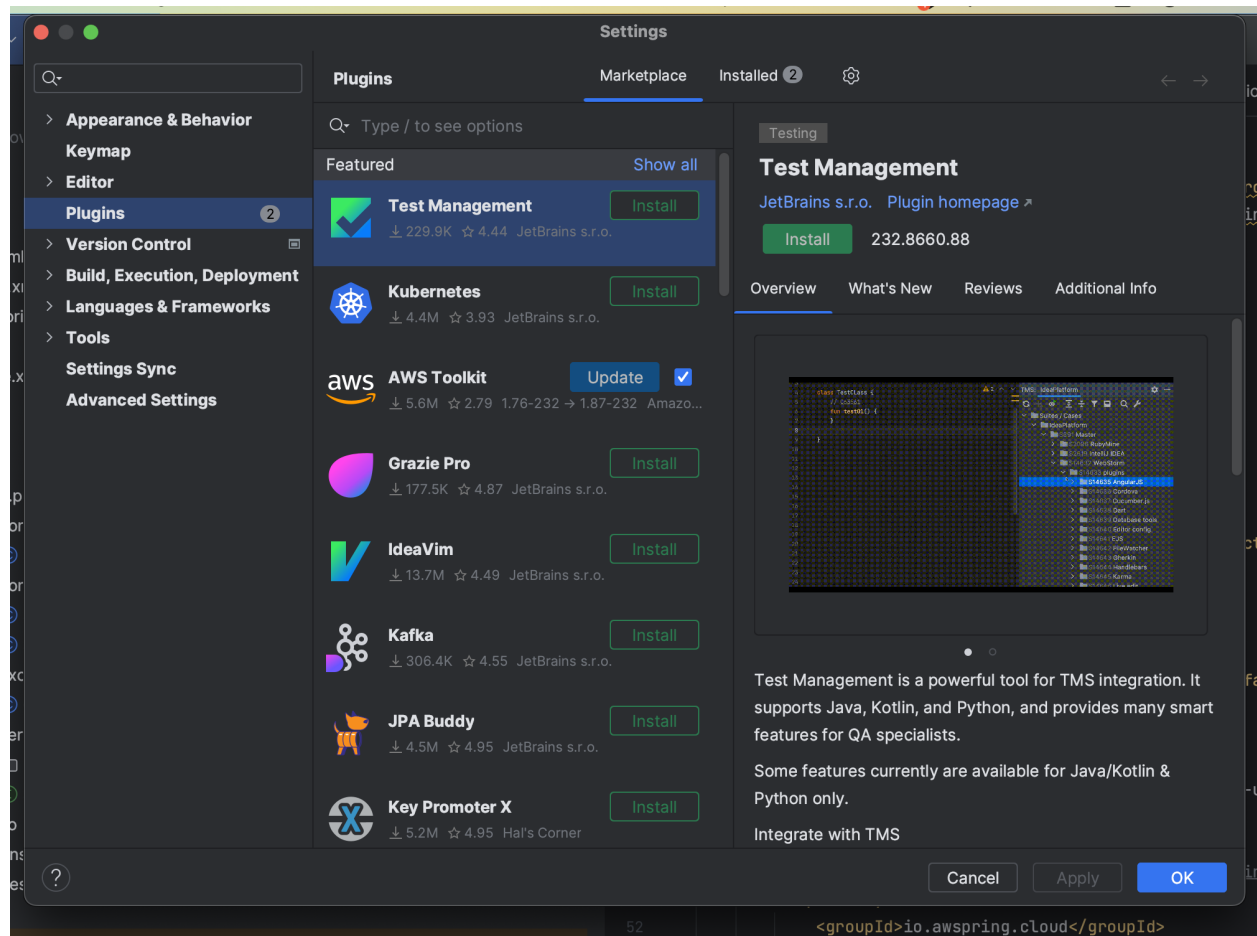


Installing plugins in IntelliJ IDEA

To install plugins, click IntelliJ IDEA (top left of the screen), then Settings:



Select plugins and make sure you are on the 'Marketplace' tab:



The two plugins used in this lab are 'AWS Toolkit' and 'Lombok'. If you don't see them in the list, you can search for them (type the name of the plugin in the search bar). Once located, just click 'Install' for each of them.