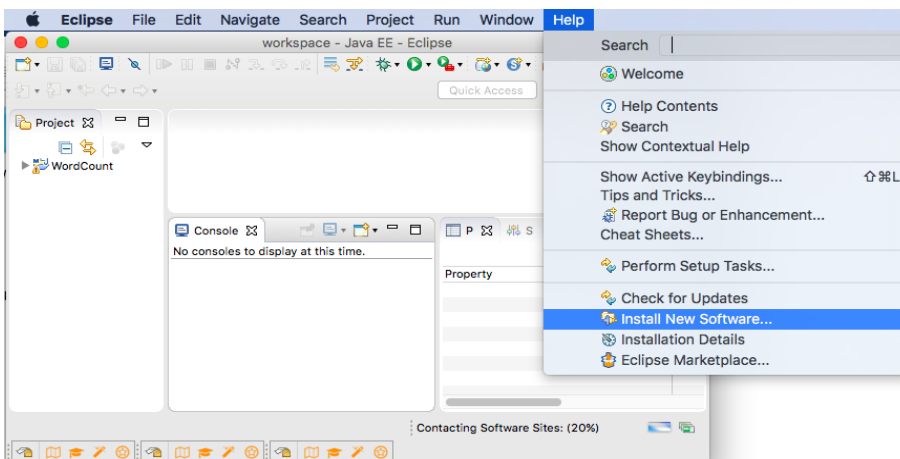


# Packaging Job Using Eclipse / Maven

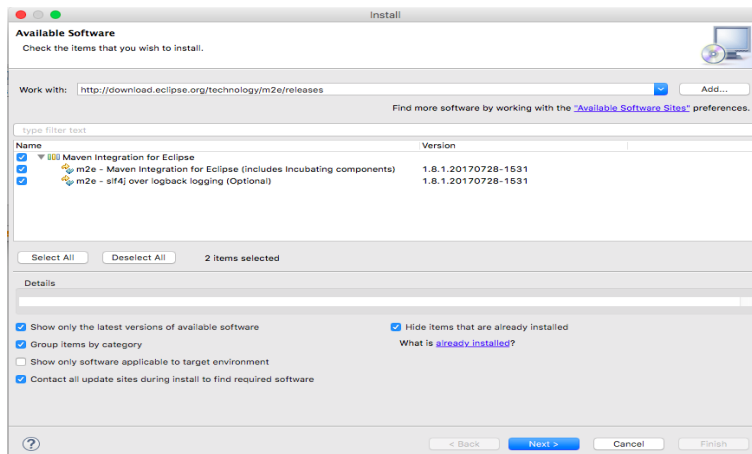
This tutorial walks you through installing the Eclipse text editor, configuring the Maven plugin and packaging your first Hadoop project. This tutorial assumes you already have Java installed (Java 1.8) .

## 1 Install Eclipse / Maven

1. Download the Eclipse editor : <https://eclipse.org/downloads/>
2. Install the Maven Eclipse Plugin
  - (a) Open the Eclipse editor
  - (b) From the menu, click on [Help](#) — > [Install New Software](#)



3. At the pop-up window, enter the following and press Enter <http://download.eclipse.org/technology/m2e/releases>
4. If the plugin is found, click on the check-box for 'Maven Integration for Eclipse' then press 'Finish'

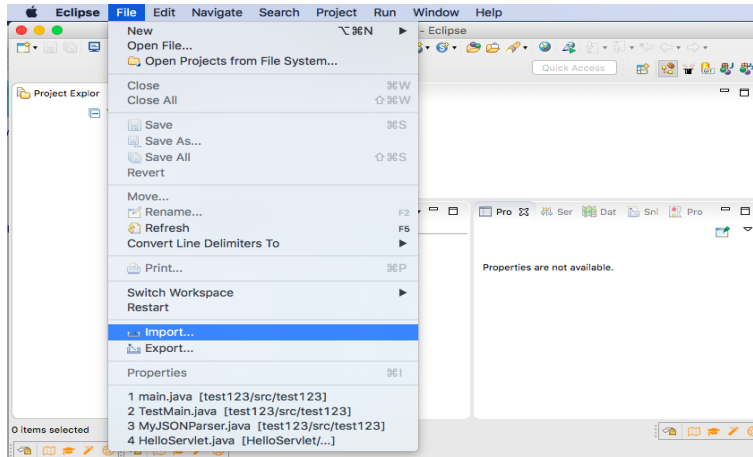


5. Now that we have installed Eclipse and configured Maven, we are ready to create our first project.

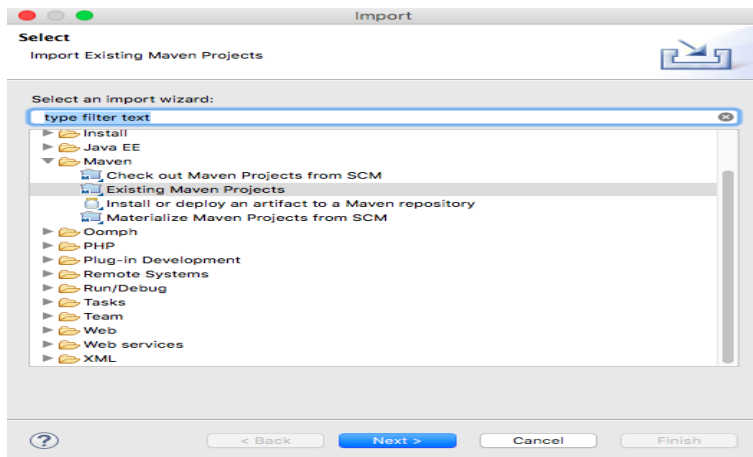
## 2 Importing an Existing Maven Project

Let us walk through the steps of importing an existing Maven project. The folder ‘WordCount’ contains the Maven project your first MapReduce, which will implement simple Map/Reduce functions to count the number of occurrences of each word in a collection of documents.

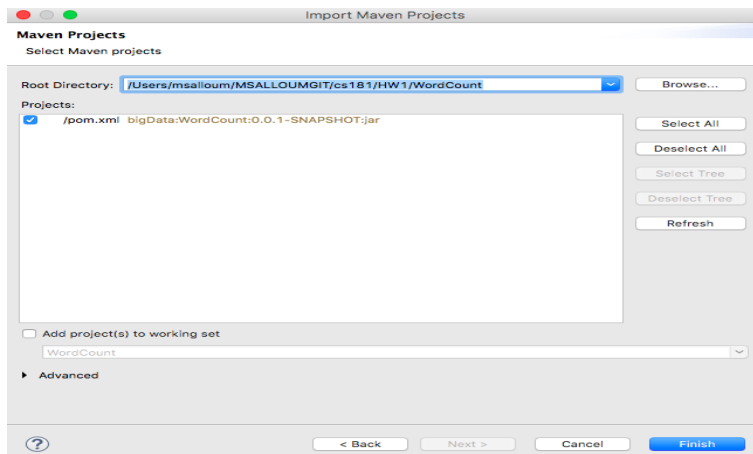
1. From the Eclipse menu, click on [File](#) > [Import](#).



2. Click on ‘Existing Maven Project’



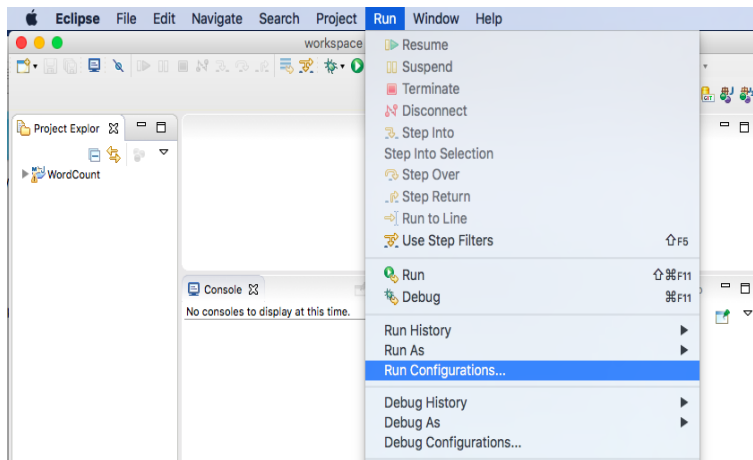
3. Then, click ‘Browse’ to navigate to the directory where the ‘WordCount’ folder is stored. Once you select the WordCount folder, you should see a screen similar to one below, and then click ‘Finish’ to complete the import process.



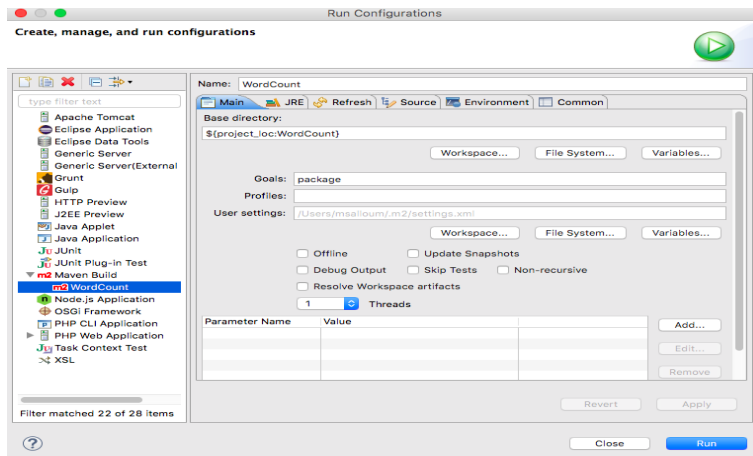
### 3 Package JAR File

Now you ready to package your JAR file.

1. From the Eclipse menu, click on **Run** —> **Run Configurations**



2. Enter the 'package' for the project goals.



3. Finally, click 'Run' to package your project and create a Jar file. In the console output, verify it states 'Build Success' and that a Jar file is created under the /target folder in your project.

