



PRESENTED BY



Building machine-learning apps with Spark

Installation of IntelliJ / ScalaIDE for
Eclipse / Zeppelin

strataconf.com

#StrataHadoop

Agenda

- IntelliJ Install
- ScalaIDE for Eclipse Install
- Zeppelin Install

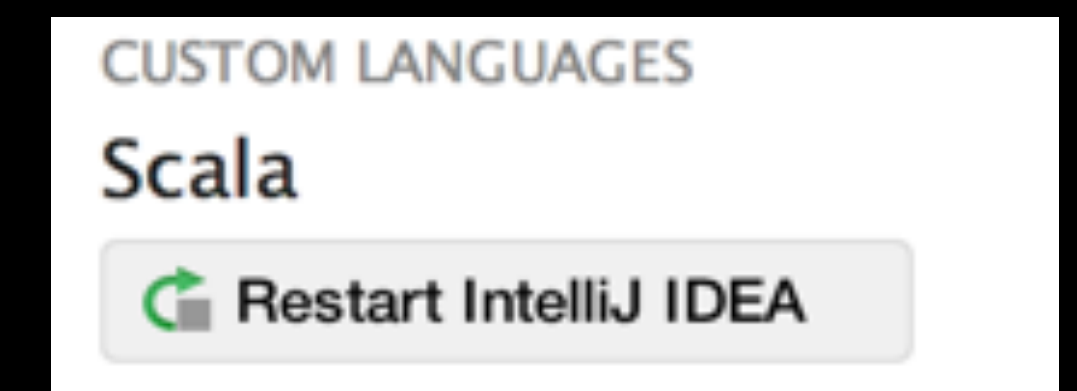
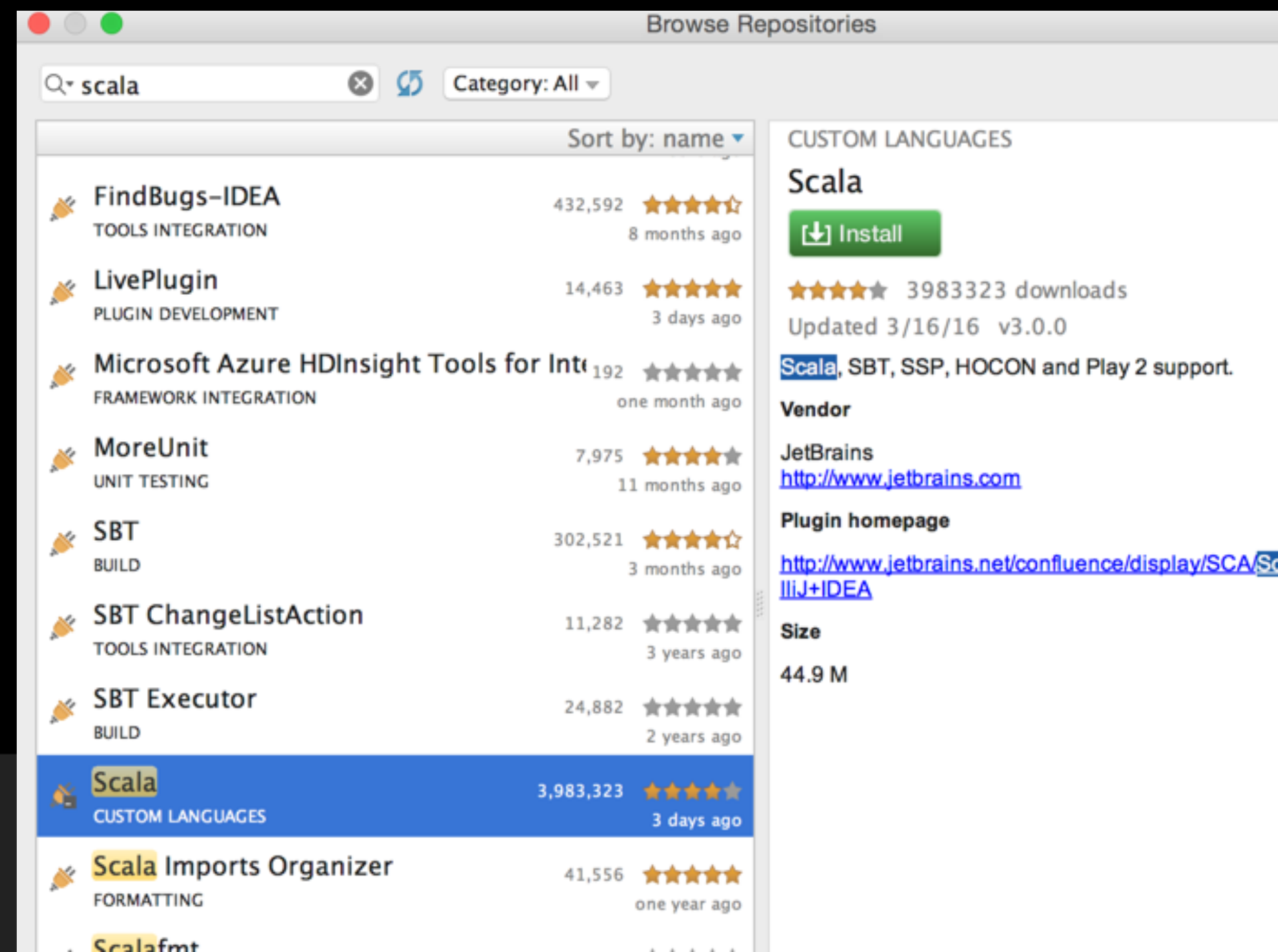
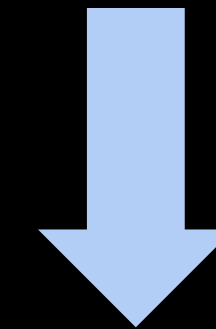
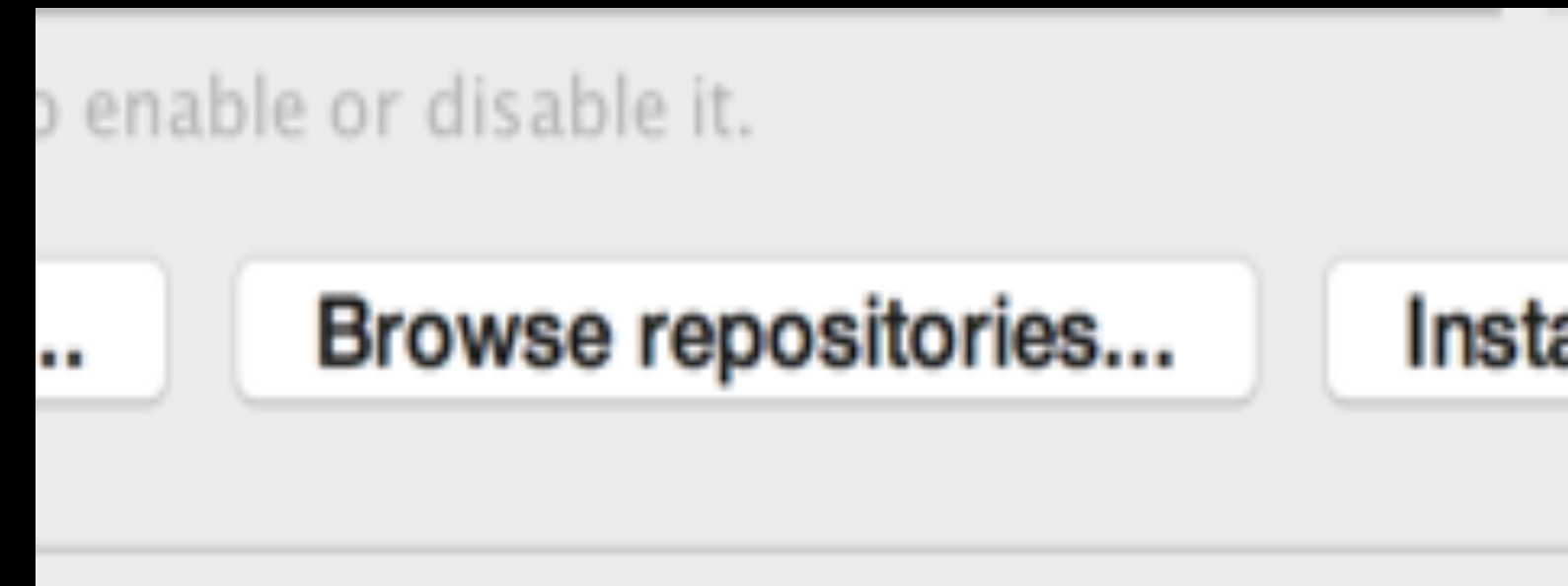
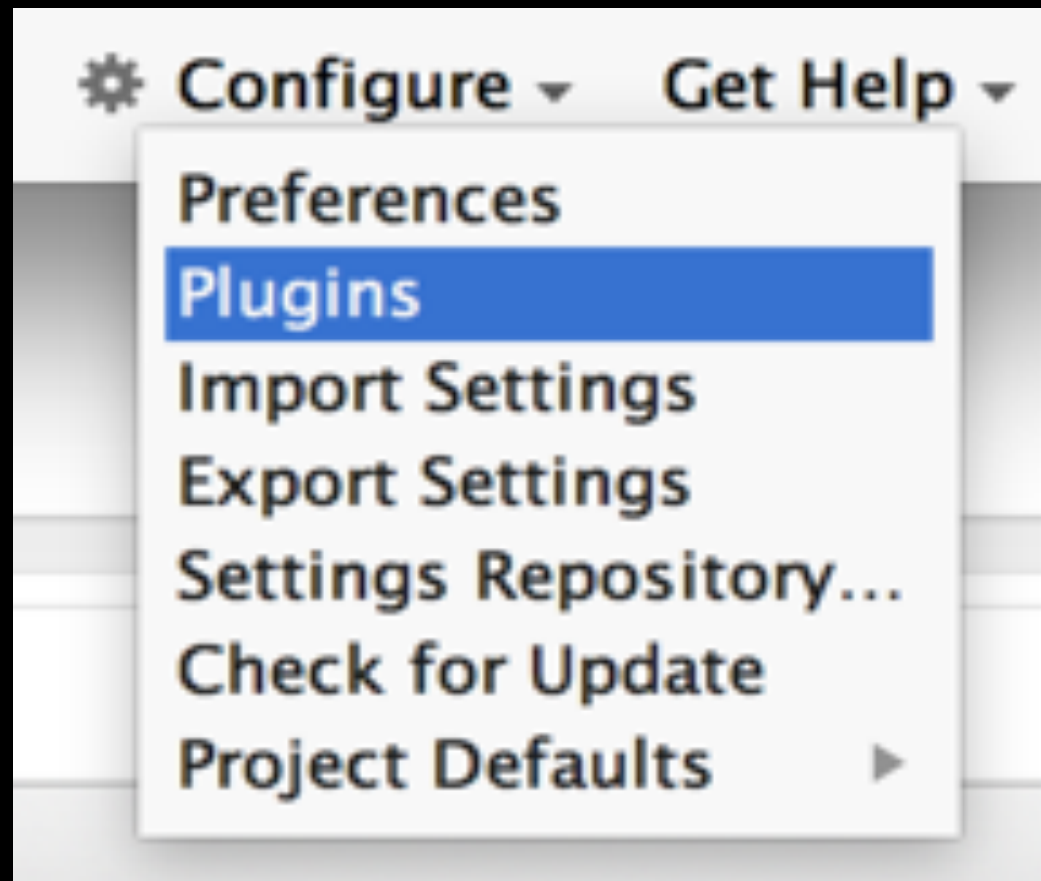
IntelliJ / ScalaIDE for Eclipse

- Either IntelliJ
- OR
- ScalaIDE for Eclipse are needed

Installing IntelliJ

- Download from <https://www.jetbrains.com/idea/download/>
- Add Scala Plugin
- Add Scala SDK : 2.10.4
 - <https://www.jetbrains.com/help/idea/2016.1/creating-and-running-your-scala-application.html>

Add Scala Plugin

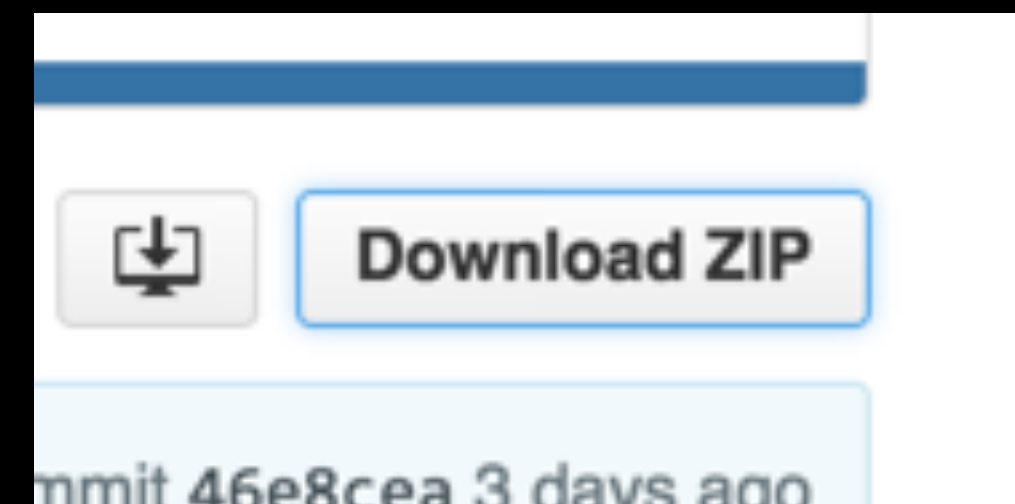


Download Code

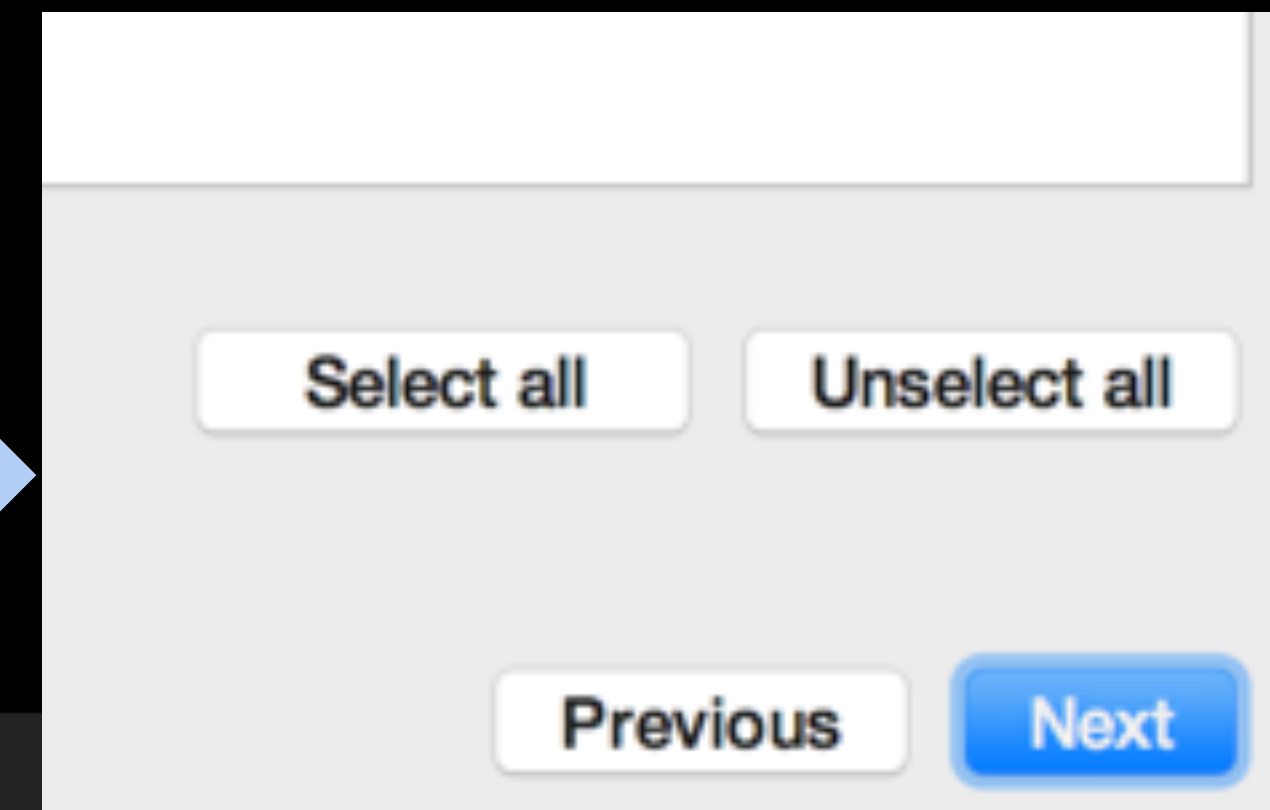
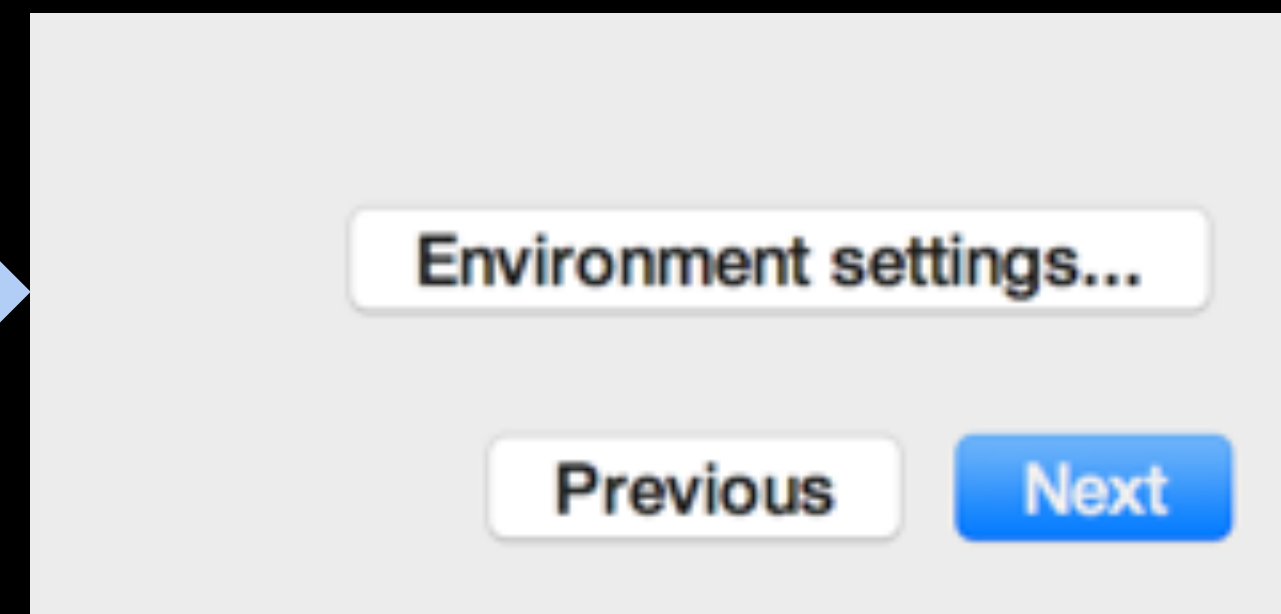
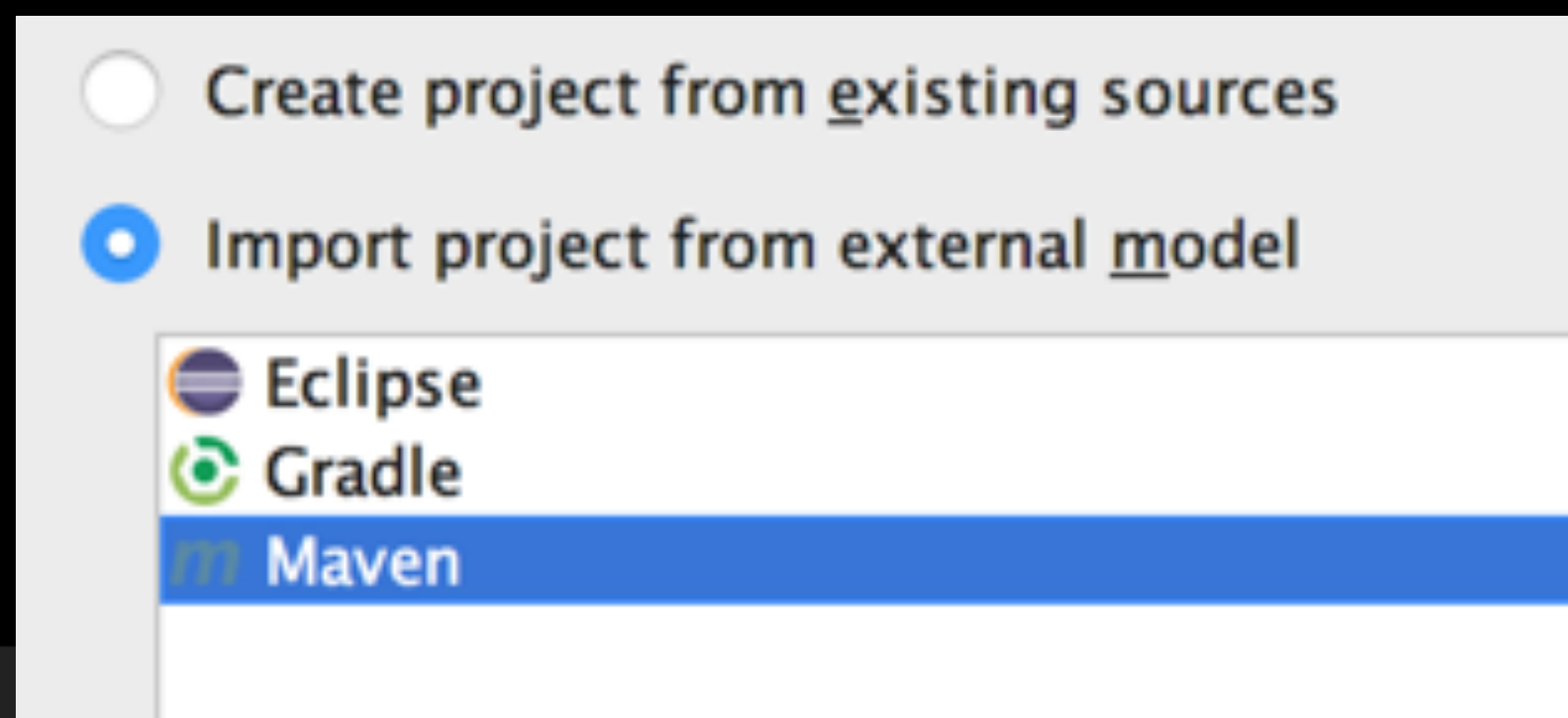
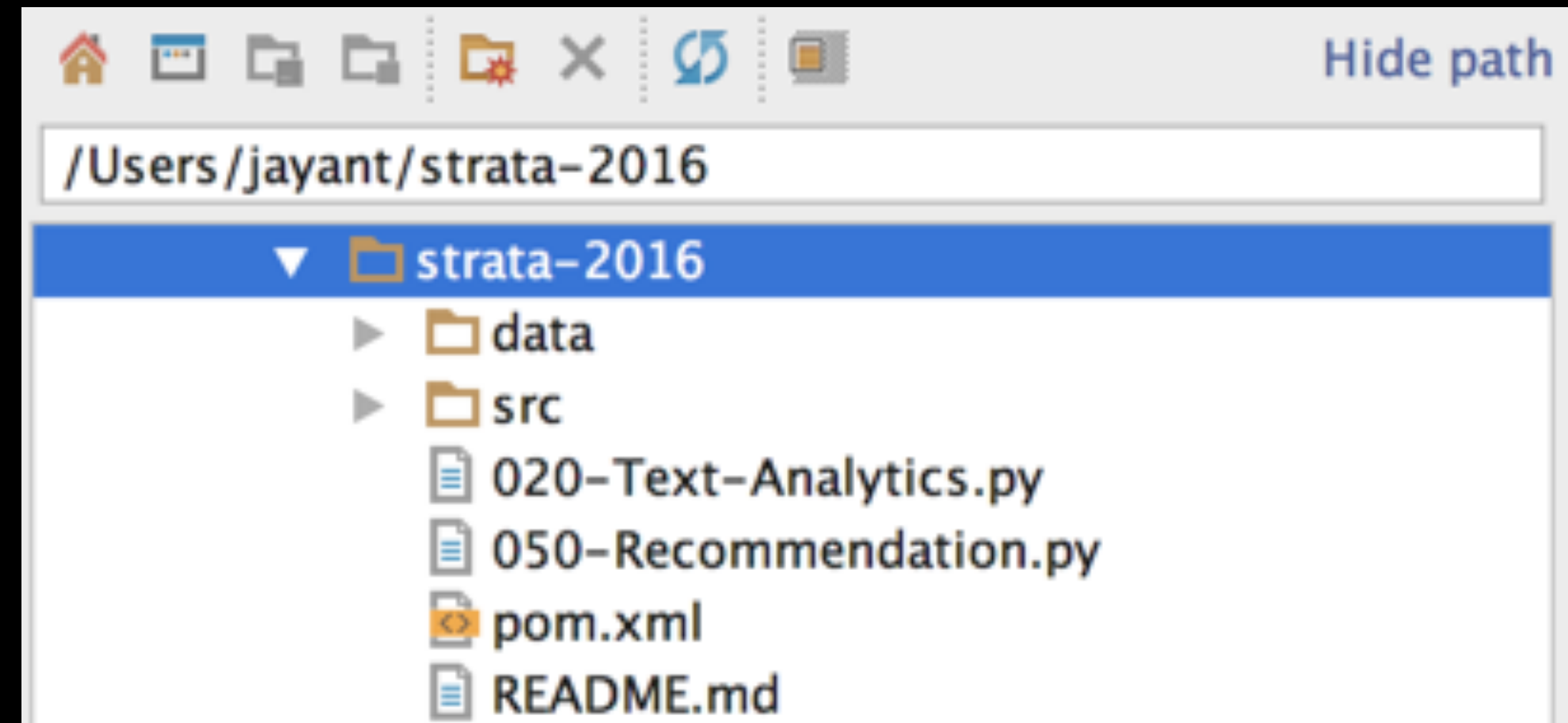
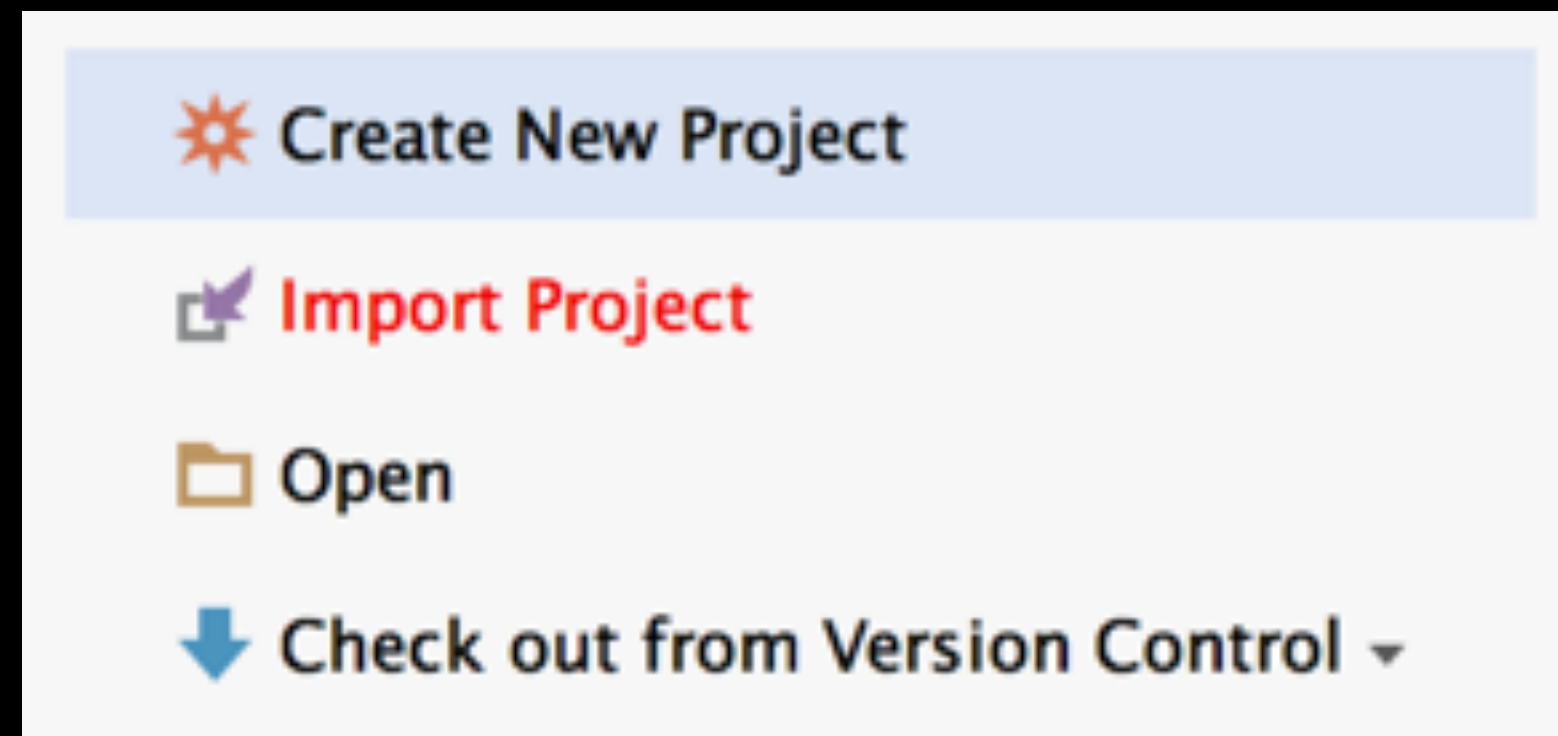
- <https://github.com/jayantshekhar/strata-2016>
- `git clone` <https://github.com/jayantshekhar/strata-2016.git>

OR

- Download zip



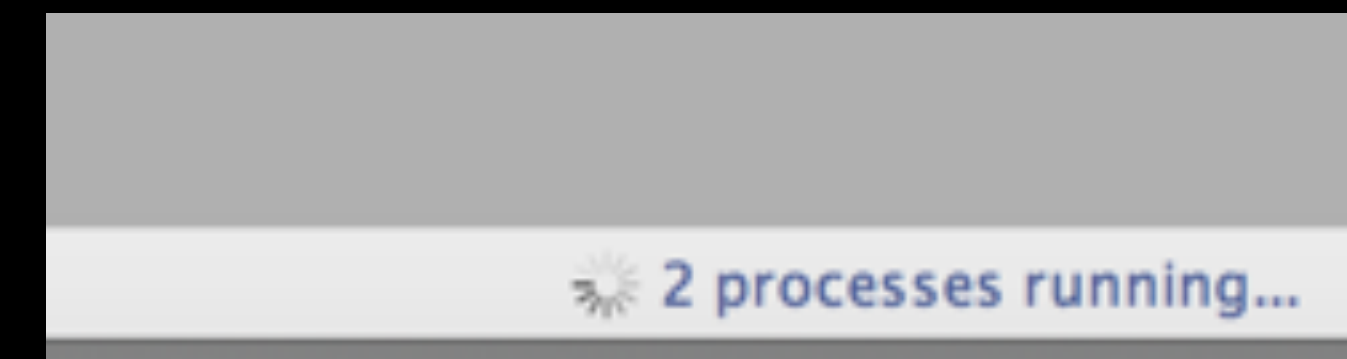
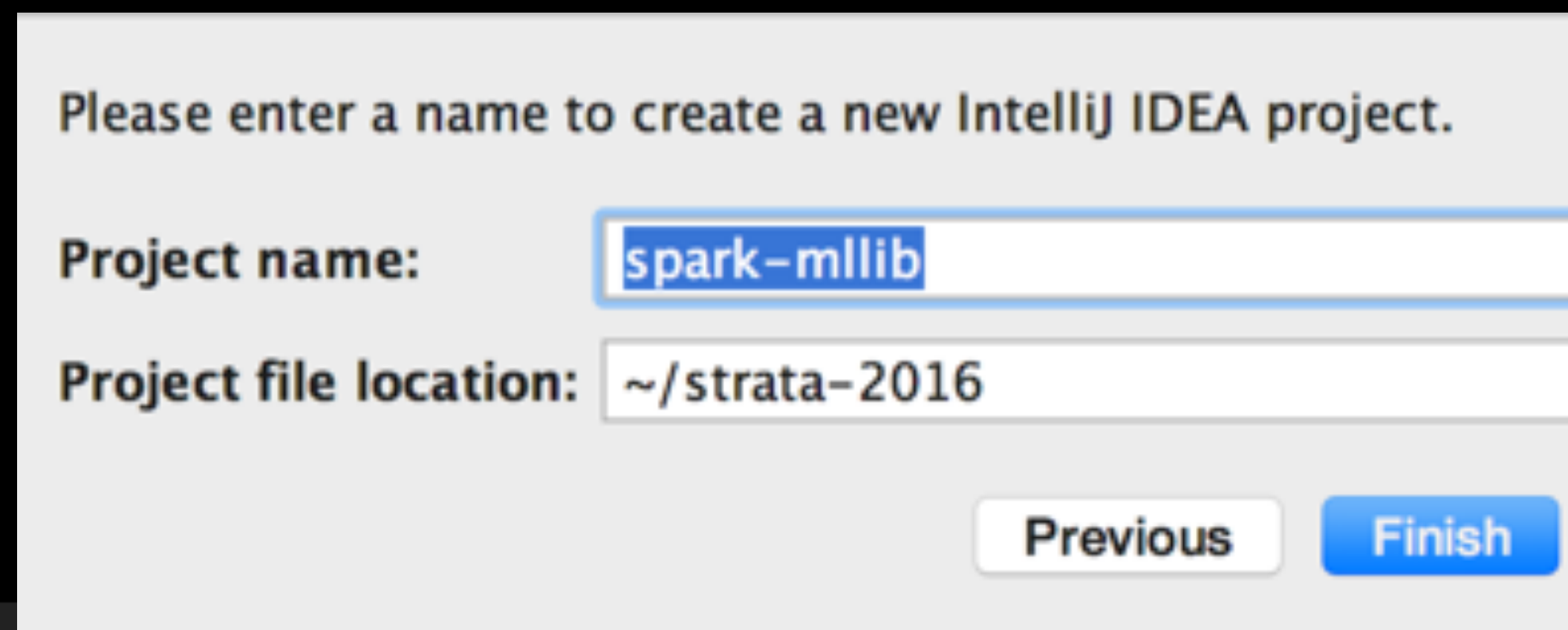
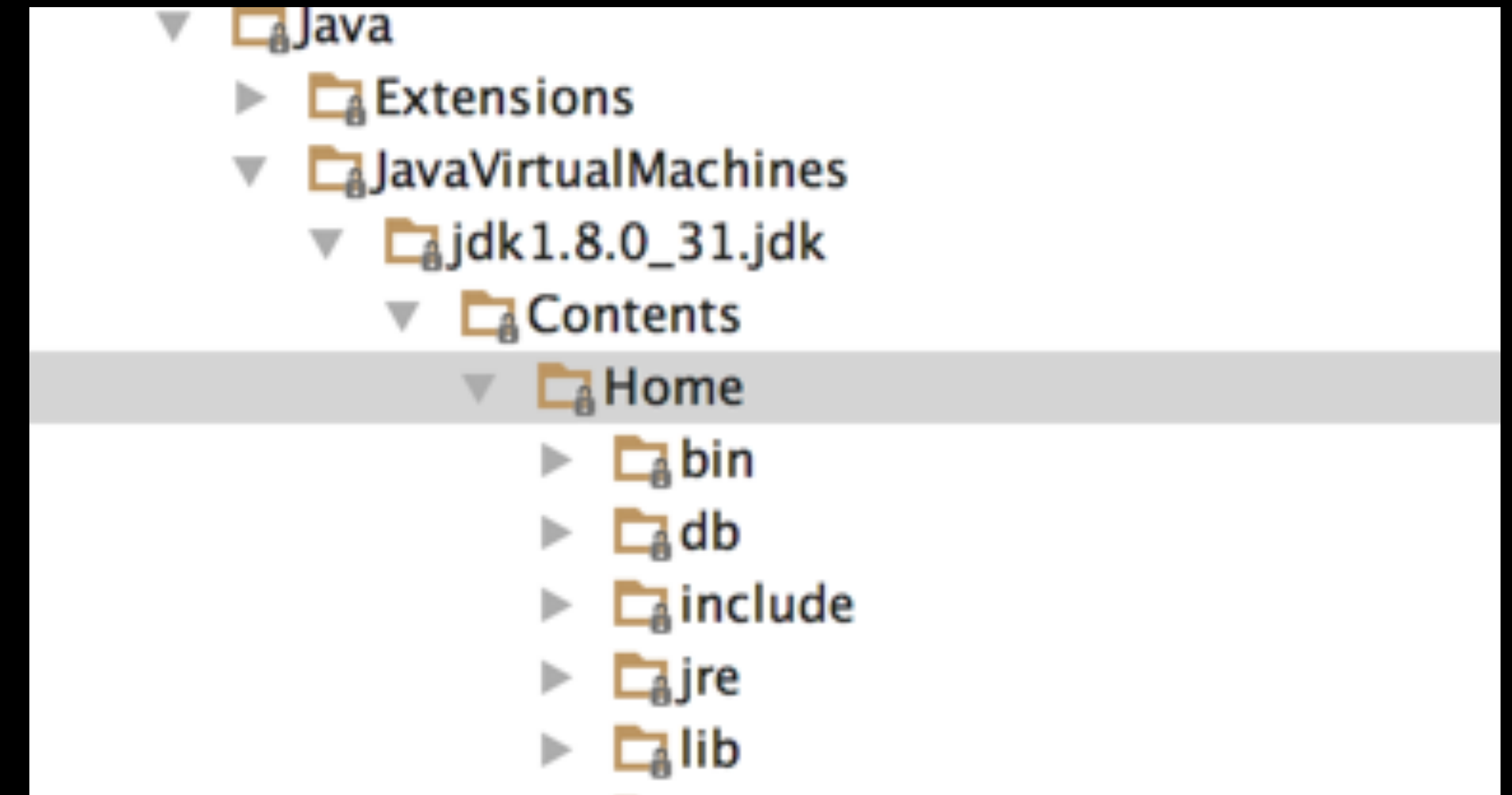
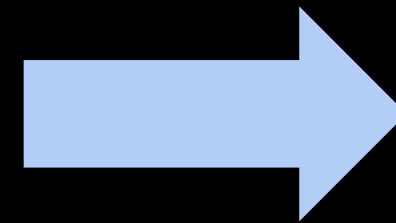
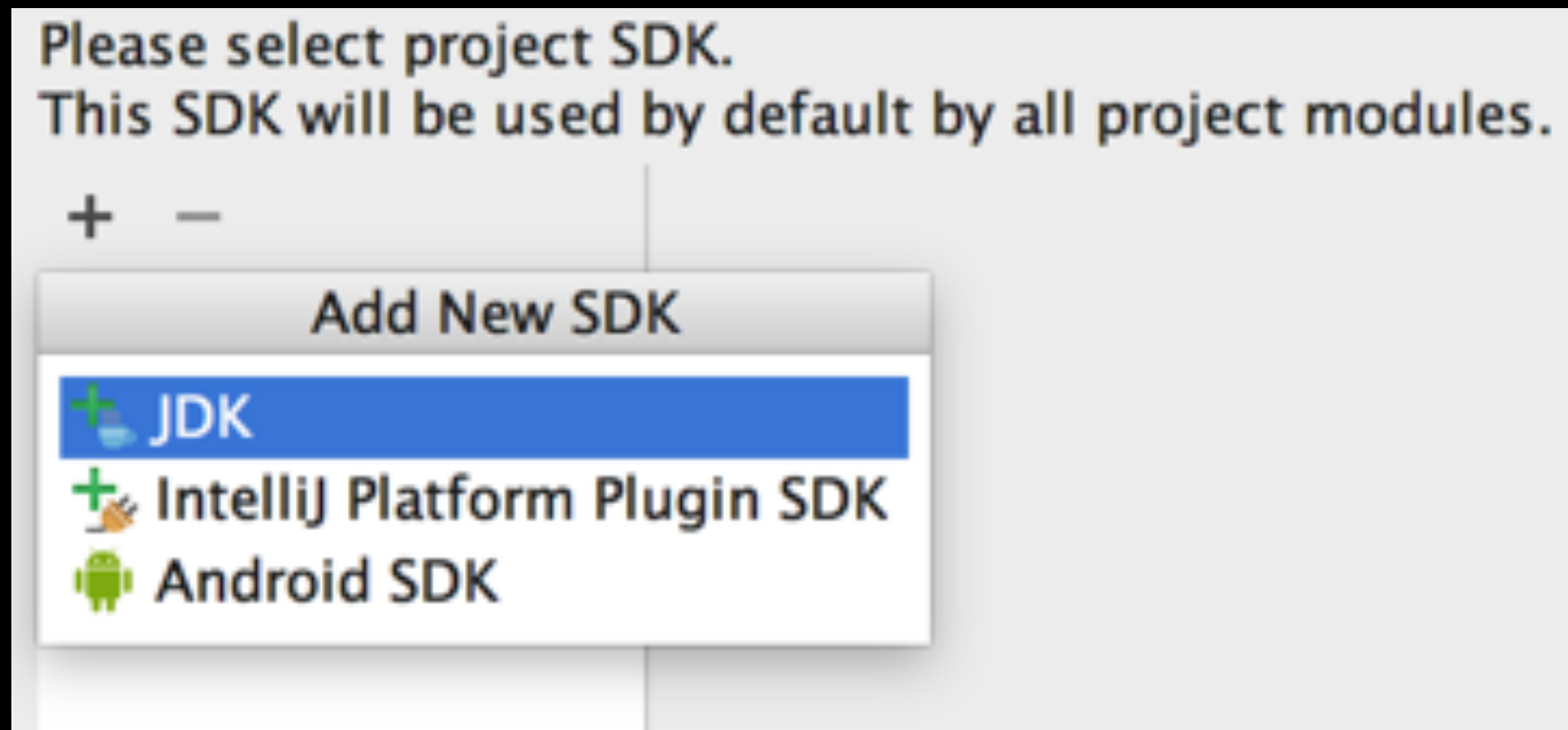
Import maven project into IntelliJ




#StrataHadoop

Strata Hadoop
WORLD

Add JDK and complete Import



Install the Scala plugin if you did not do it earlier...

Plugin  supporting *.scala files are found

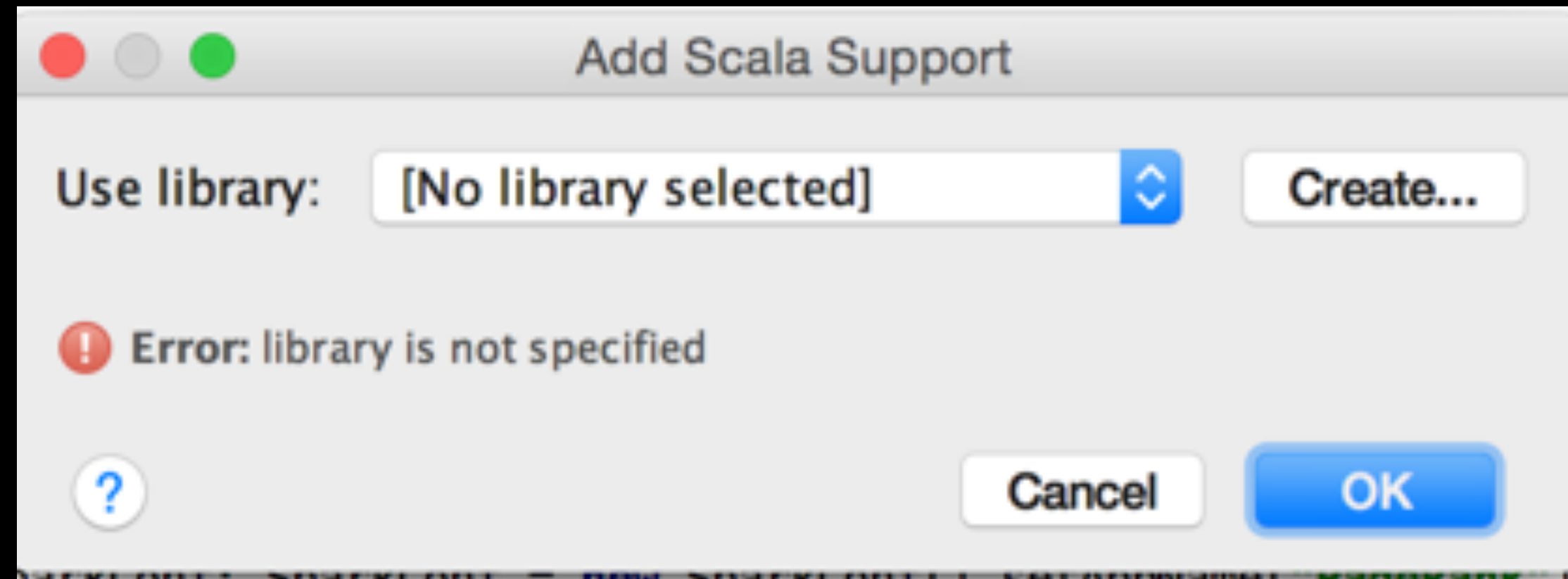
[Install plugins](#) [Ignore extension](#)

package com.cloudera.spark.graphx.pagerank

Add Scala SDK if it is not already set

No Scala SDK in module

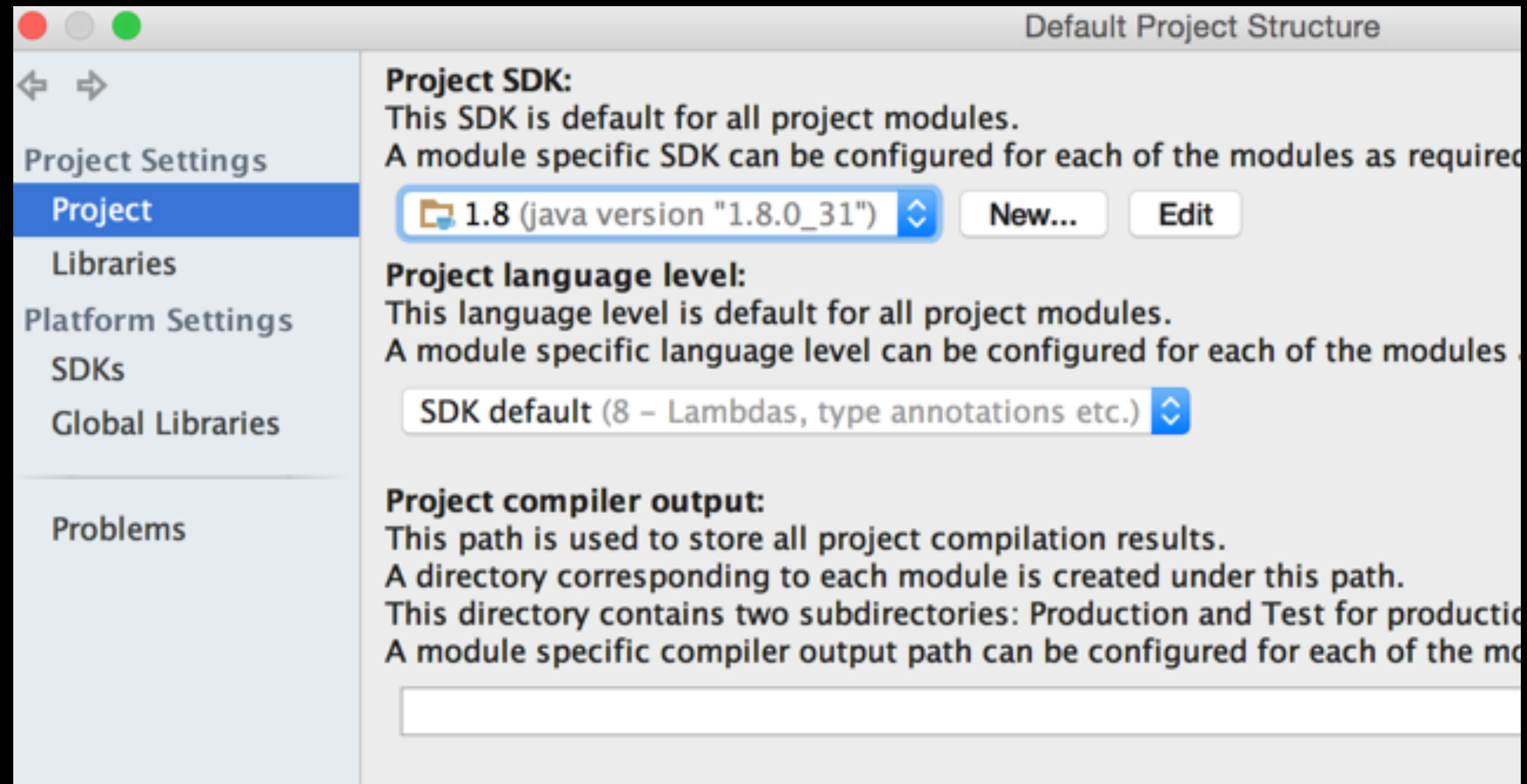
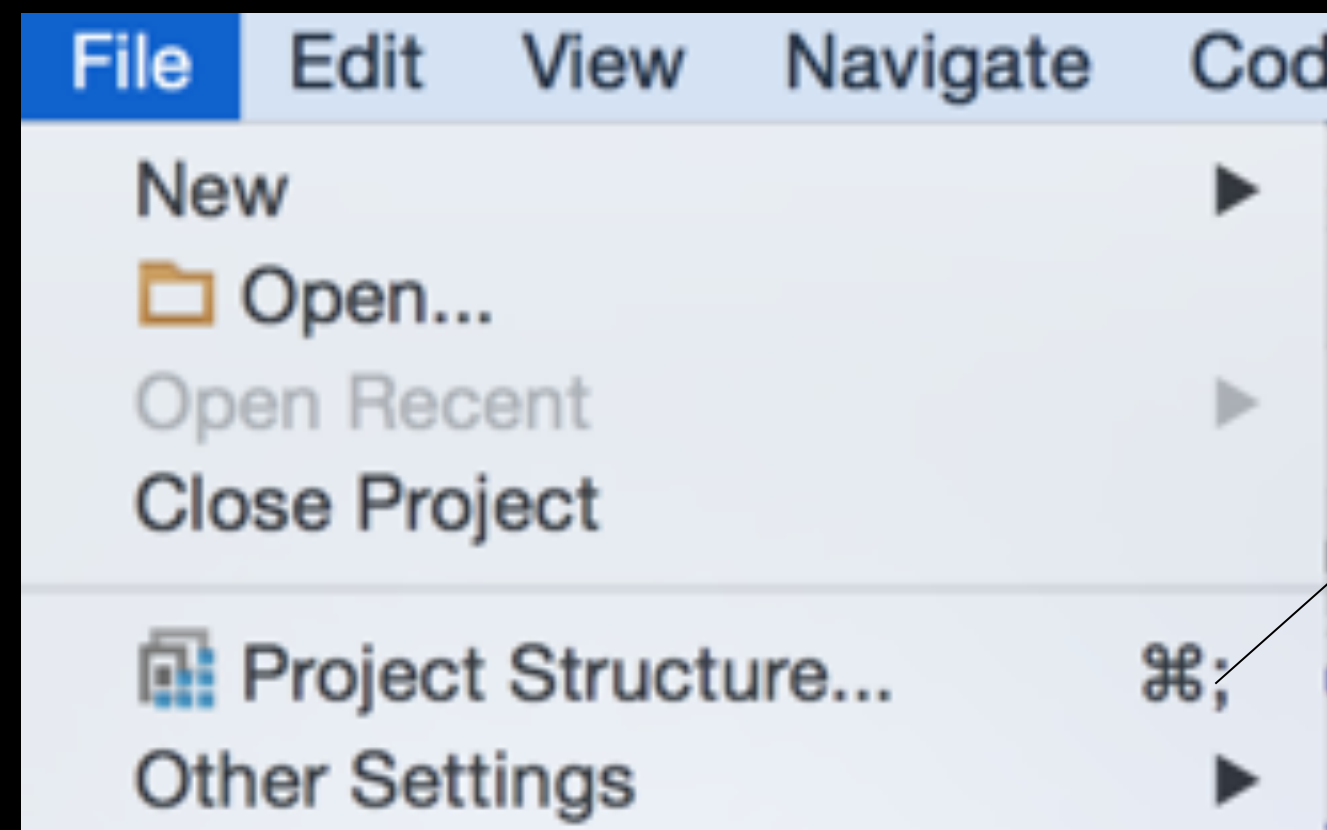
[Setup Scala SDK](#)



| Location | Version |
|----------|---------|
| Ivy | 2.11.1 |
| Ivy | 2.10.4 |
| Ivy | 2.10.2 |
| Maven | 2.10.5 |
| Maven | 2.10.4 |
| Maven | 2.10.0 |
| Maven | 2.9.2 |

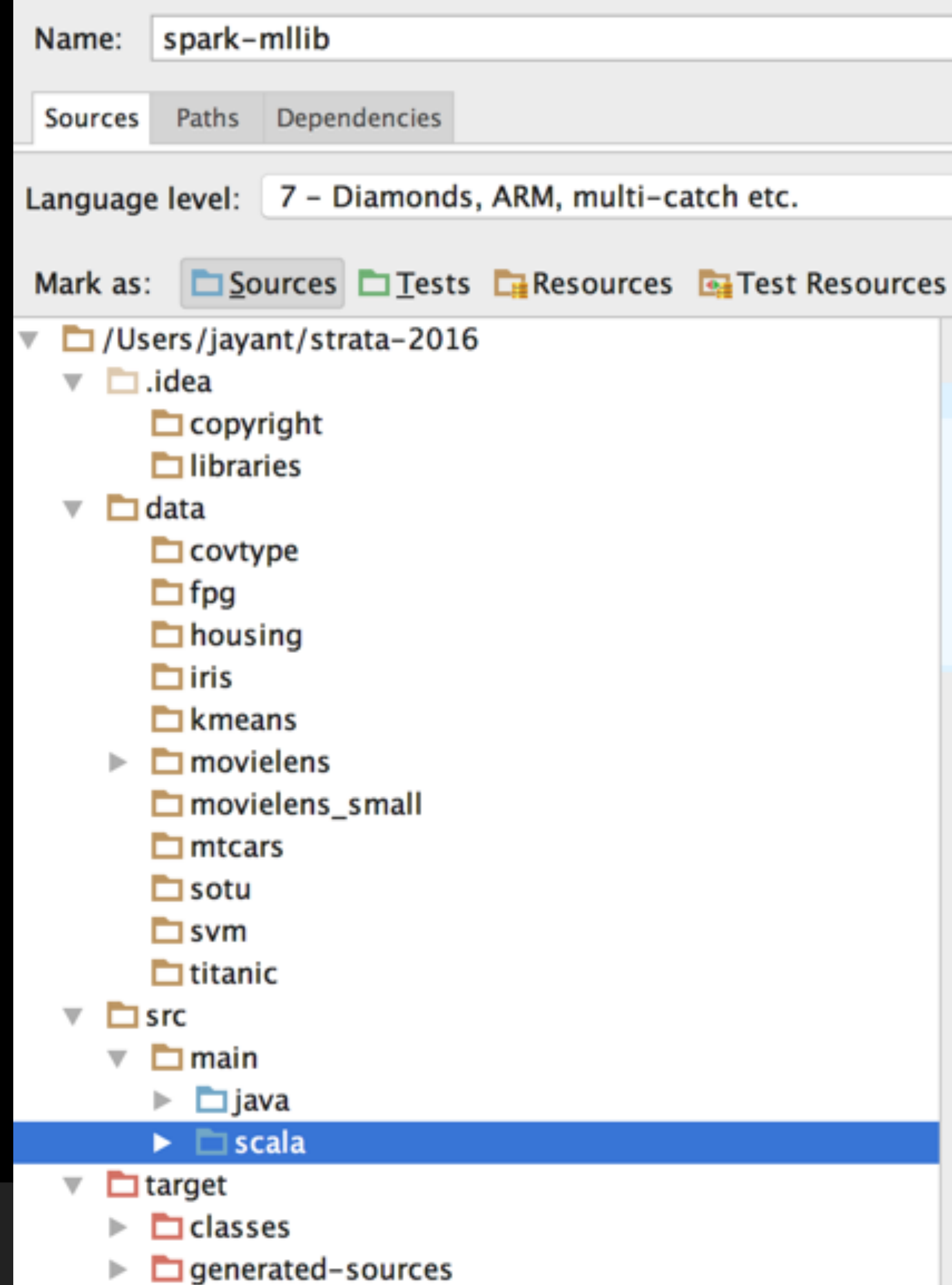
Use 2.10.4

Make sure to have an SDK set in Project Structure



Make sure to have scala dir in sources

#StrataHadoop



Eclipse for Scala

Install & Setup

ScalaIDE for Eclipse

- Download from <http://scala-ide.org/download/sdk.html>

For Scala 2.11.7

Download IDE Mac - 64 bit

| Windows | Mac | Linux |
|----------------------------------|--|--------------------------------------|
| Windows 64 bit Windows 32 bit | Mac OS X Cocoa 64 bit Mac OS X Cocoa 32 bit | Linux GTK 64 bit Linux GTK 32 bit |

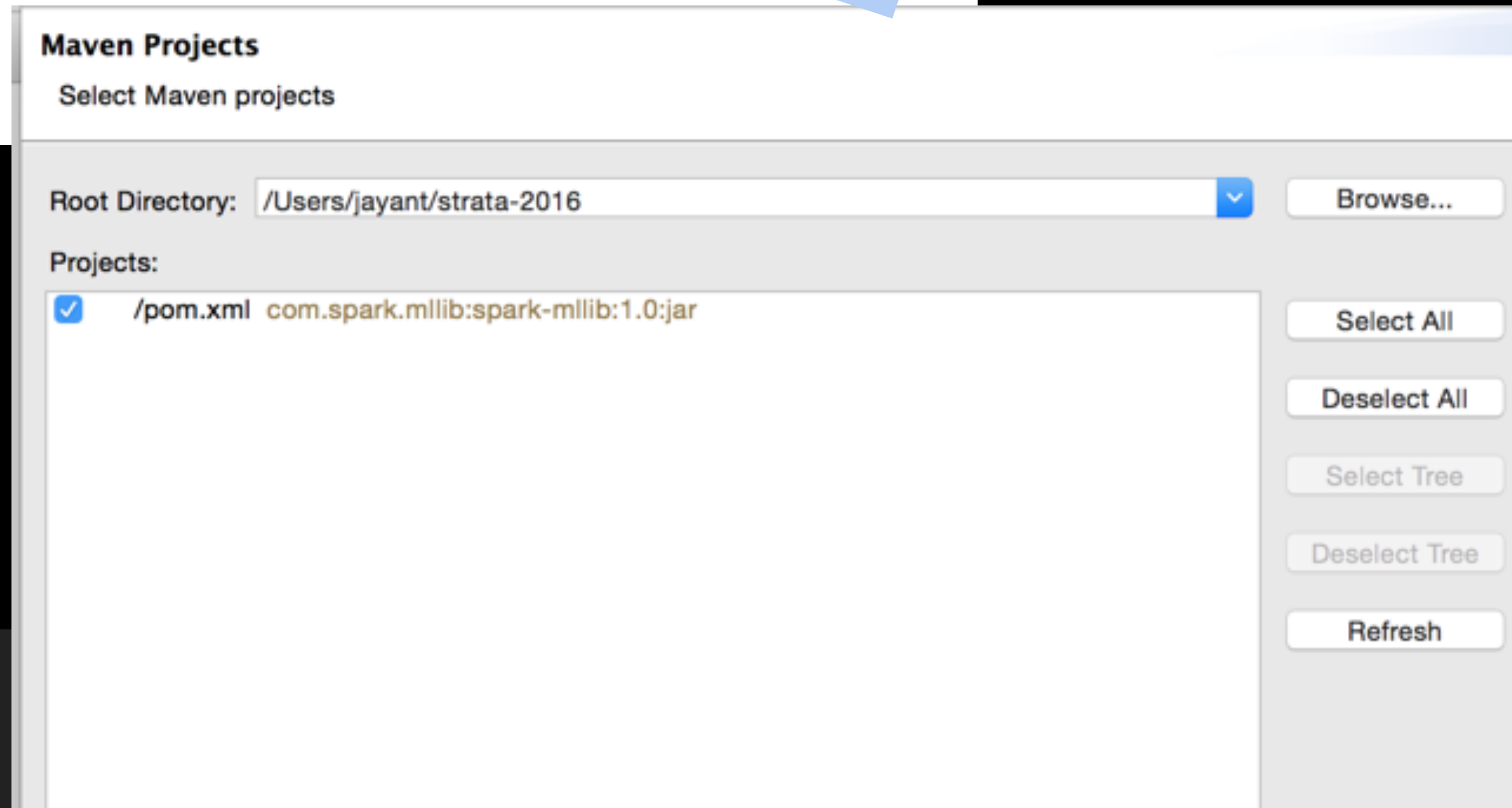
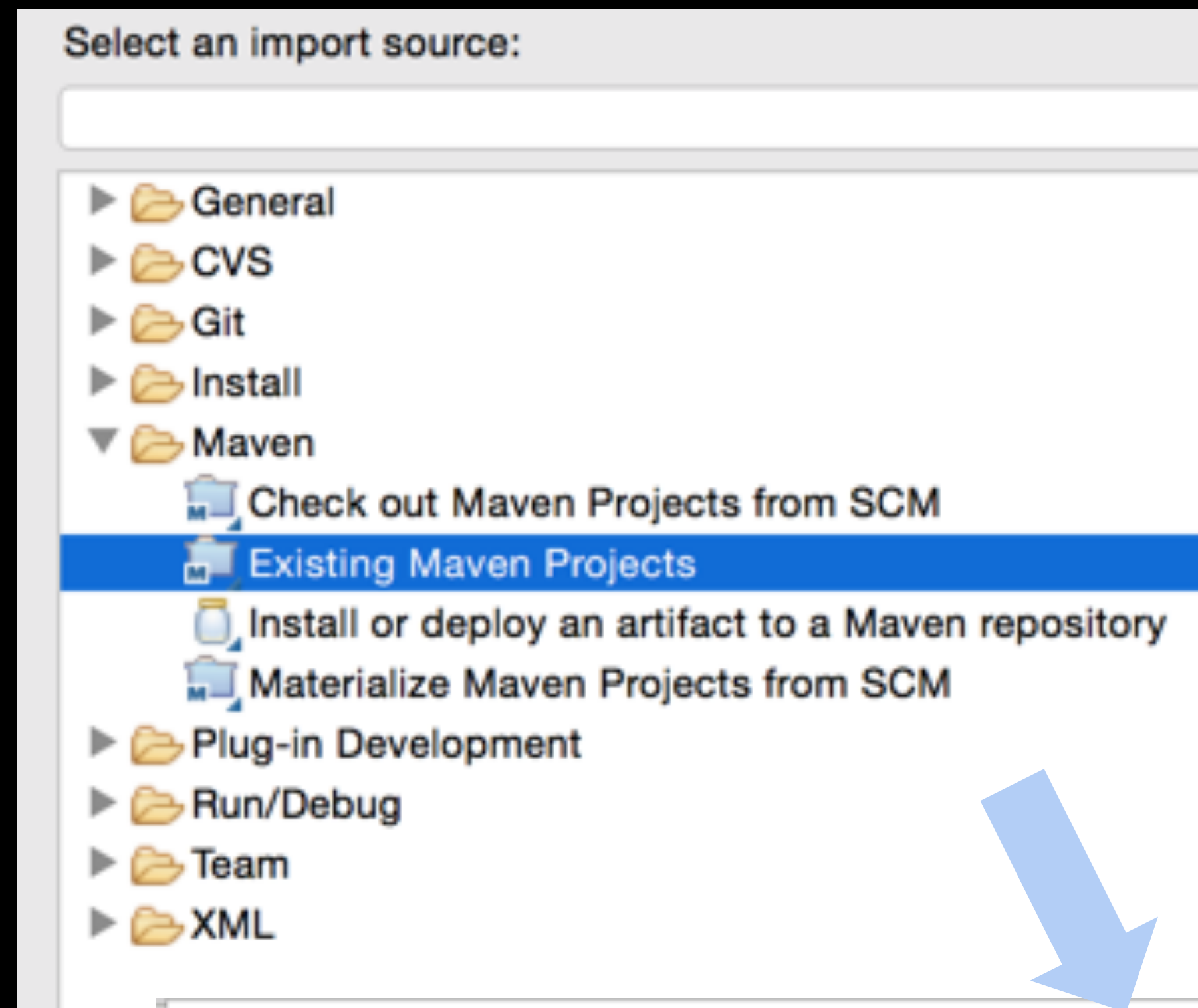
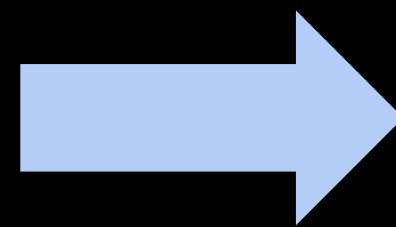
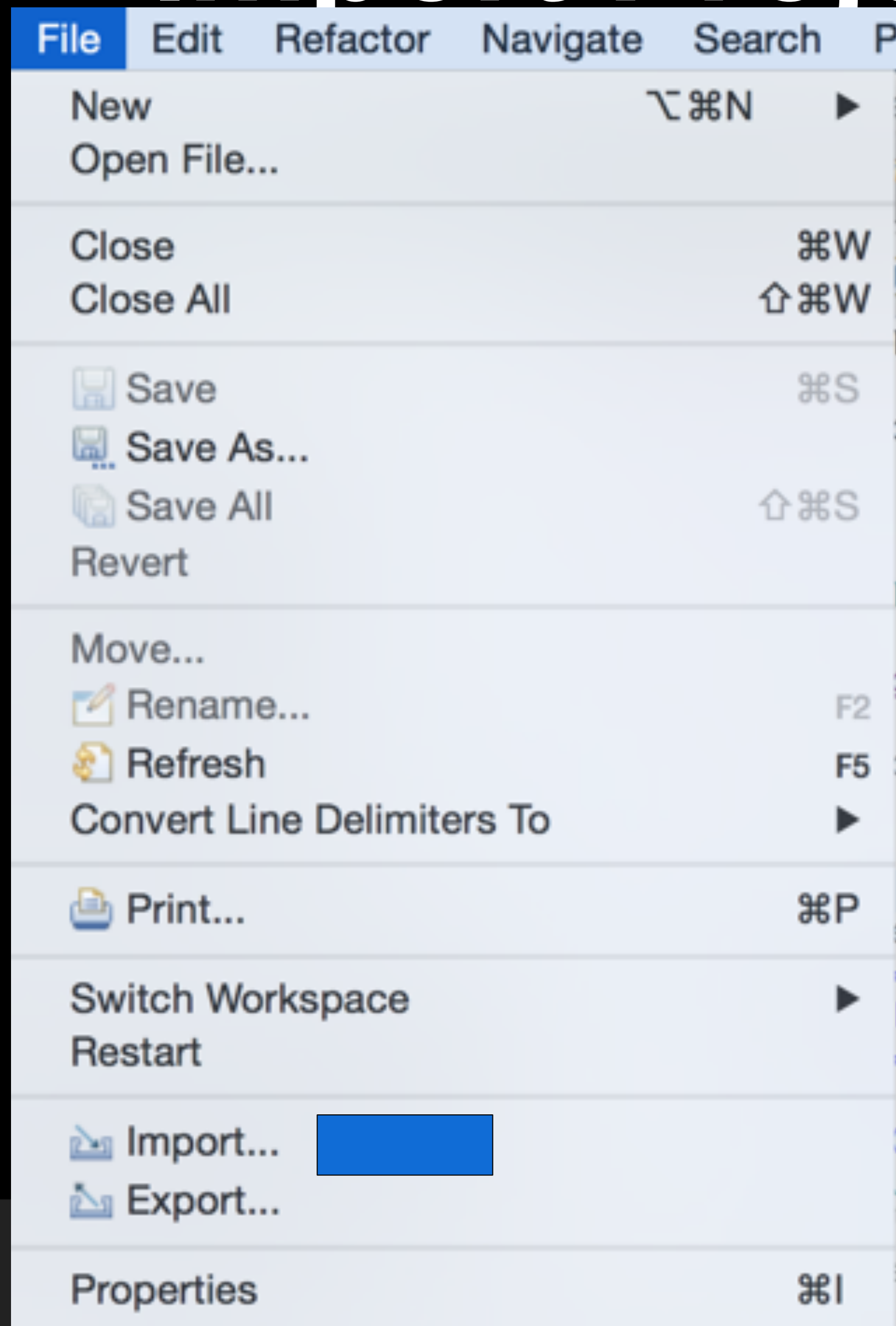
Allow apps downloaded from:

- ☐ Mac App Store
- ☒ Mac App Store and identified developers
- ☐ Anywhere

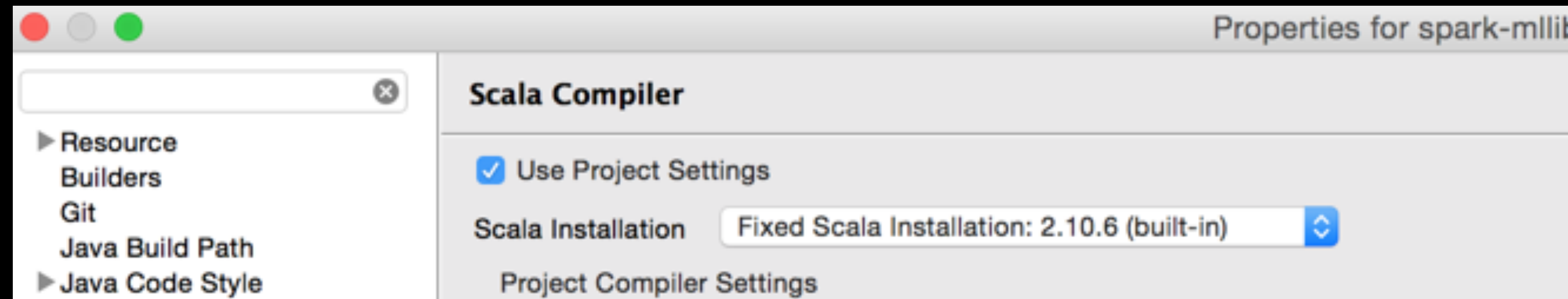
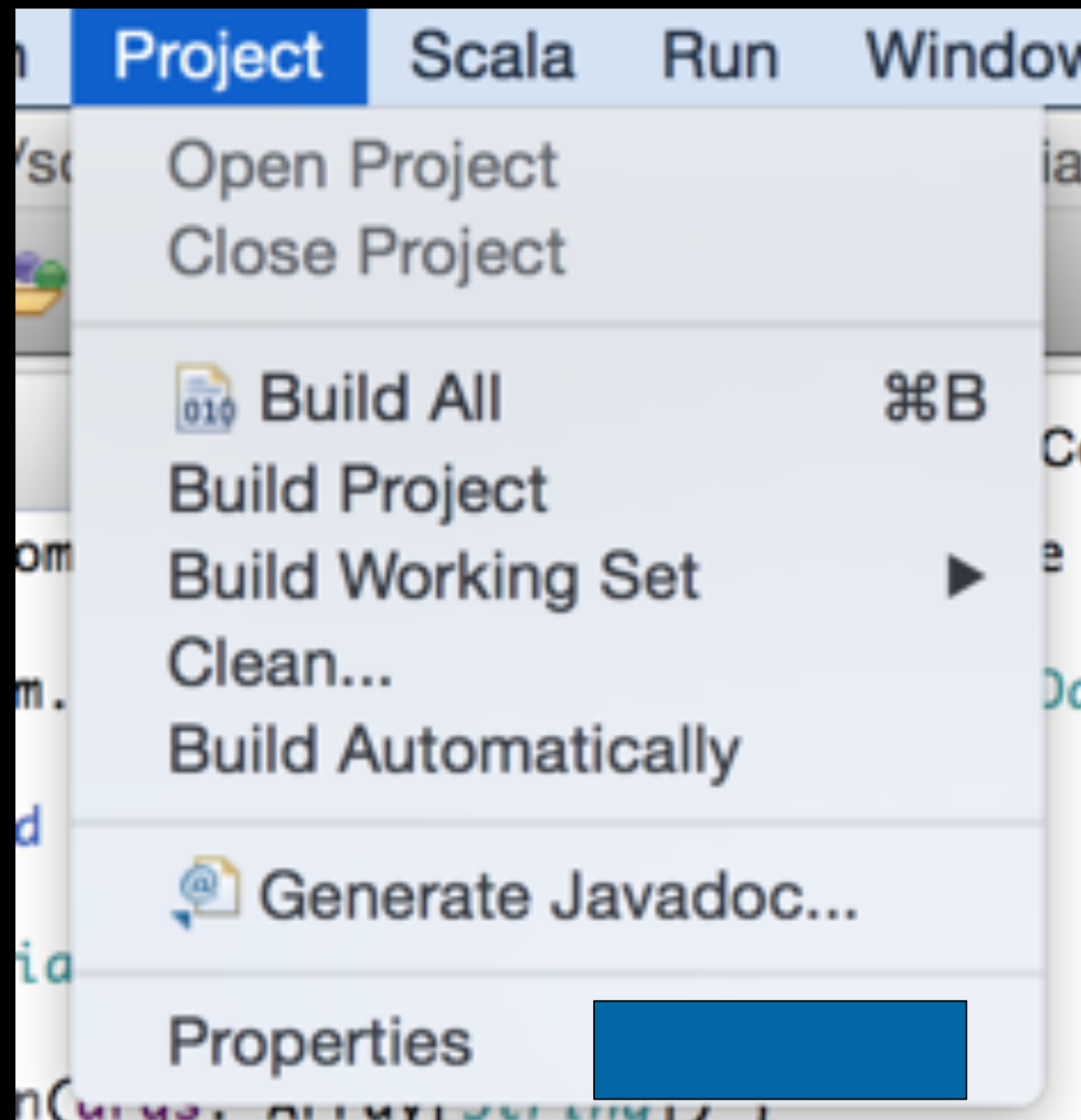
"eclipse" was blocked from opening because it is not from an identified developer.

Open Anyway

Import Project

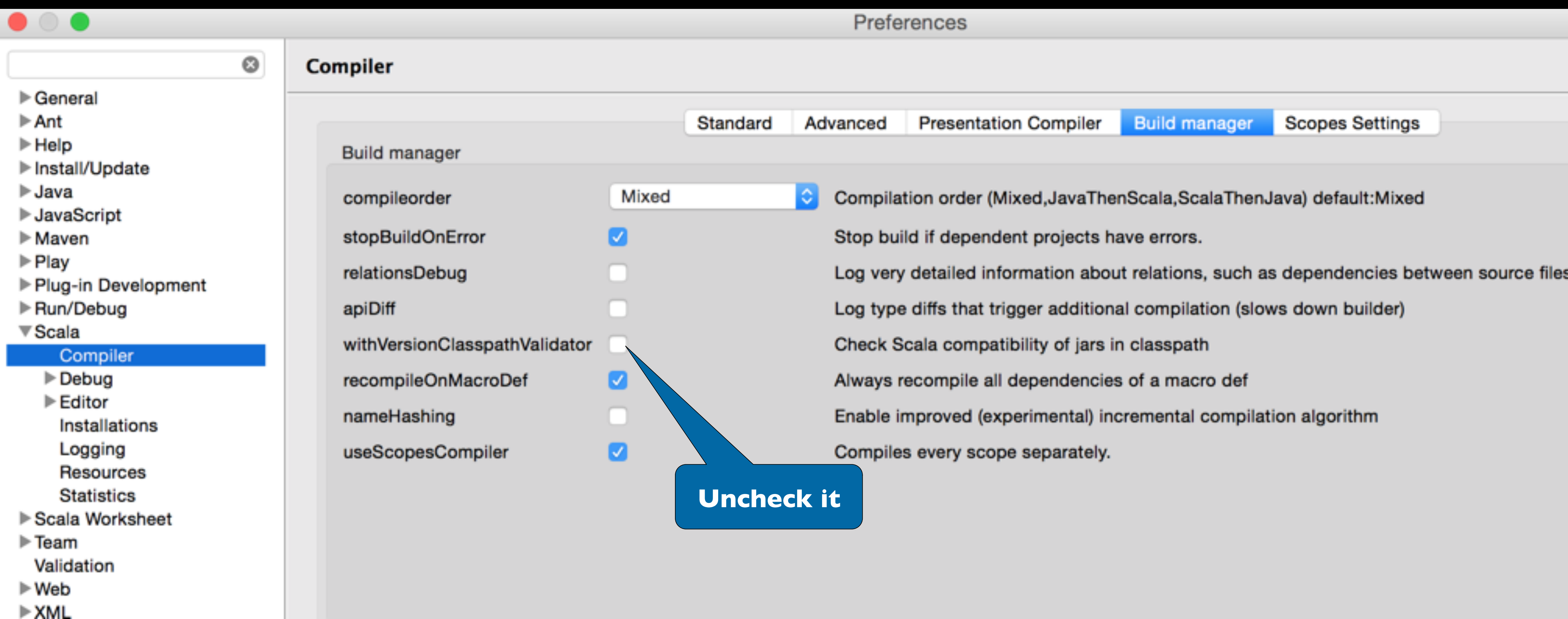


Select Scala 2.10 built-in for the Project



If Scala IDE complains about ‘... is cross-compiled with an incompatible version of Scala’

- <http://scala-ide.org/docs/current-user-doc/faq/index.html>



Zeppelin

Install & Setup

- Download source from <https://zeppelin.incubator.apache.org/download.html>
- Compile zeppelin
 - mvn clean package -DskipTests -Pspark-1.6 -Phadoop-2.6 -Ppyspark
- Run the Zeppelin daemon
 - ./bin/zeppelin-daemon.sh start|stop|status|restart
 - ./bin/zeppelin-daemon.sh start
- Run IDE in browser
 - localhost:8080