

Developer Setup

- [Eclipse-Scala-Gradle-Git Development Environment Setup](#) - 01/17/2015
- [Eclipse setup](#)
- [NOTE](#) - update for Eclipse 3.7.x Oxygen, scala-ide 4.7.1RC3 and Scala 2.12

Eclipse setup

Install and prepare Eclipse

- Download and install Eclipse (Indigo or Juno is recommended);
- Install Scala 2.10.x IDE plugin as described [here](#). Make sure to get the right bundle / update site according with your Eclipse version;
- Install IvyIDE plugin as described [here](#). This will allow to automatically create classpath containers starting from ivy files;

Checkout Kafka source

- git clone [git@github.com:apache/kafka.git](https://github.com:apache/kafka.git) <kafka.project.dir>

Generate Eclipse project files

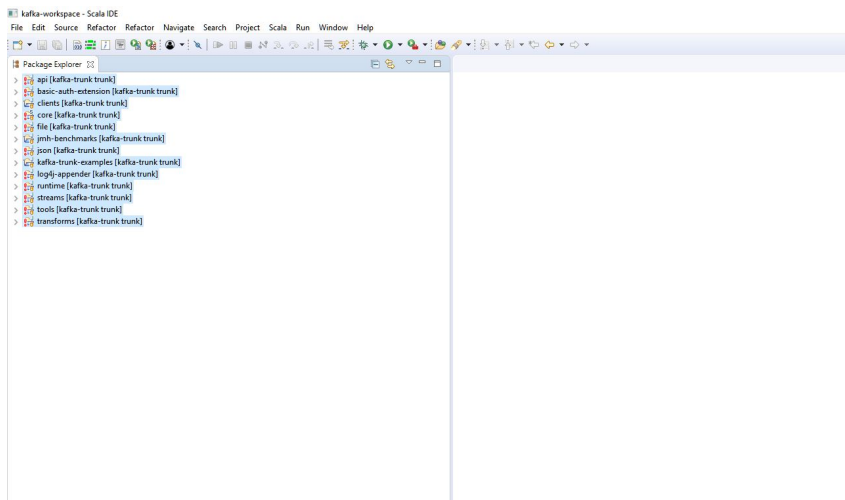
- cd <kafka.project.dir>
- Bootstrap gradle wrapper with: gradle
- Generate the eclipse projects with: `./gradlew eclipse`. This command will create eclipse projects for every project defined in Kafka.
- Note that the source folder structure may need to be fixed manually : see

 Unable to render Jira issues macro, execution error.

Create the Eclipse workspace

- Open Eclipse and create a new workspace;
- Import the generated project (File -> Import -> General -> Existing Projects into Workspace)
 1. Navigate to the <kafka.project.dir>. Eclipse will find the projects generated by the previous command;
 2. Select the projects you want to import;

You should see the projects you have imported. For running unit tests and Kafka broker refer to the previous section.



You will need regenerate the projects and refresh eclipse every time there is a change in the projects dependencies. In other words, you need to run `./gradlew eclipse` and refresh eclipse.

NOTE - update for Eclipse 3.7.x Oxygen, scala-ide 4.7.1RC3 and Scala 2.12

After generating the projects with

```
gradle -PscalaVersion=2.12  
./gradlew -PscalaVersion=2.12 eclipse --refresh-dependencies
```

In Eclipse you need some manual tweaking to get rid of the build errors :

- remove the duplicate java src path entry from **core**
- remove all 'test' library entries in the projects : **core/streams/streams-scala**

then, break the build cycle

- remove the `test-utils` project dependency from **streams**
- add the test-utils source folders `test-utils/src/main/java` and `test-utils/src/test/java` to the streams project

IntelliJ Setup

Install and prepare IntelliJ

- Download and install IntelliJ;
- Install the IntelliJ IDEA Scala Plugin (Menu Item File | Settings -> Plugins -> Browse Repositories -> Search for Scala);

Checkout Kafka source

- git clone [git@github.com:apache/kafka.git](https://github.com/apache/kafka.git) *<kafka.project.dir>*

Update libraries and generate IntelliJ project files

- cd *<kafka.project.dir>*
- gradle
- ./gradlew idea

Create IntelliJ workspace

- Open IntelliJ and click open project pointing to *<kafka.project.dir>*