Running MapReduce jobs locally

Petar Jovanovic

1 Linux environment

You can locally execute MapReduce jobs without making any change to the project.

2 Windows environment

In the lab's computers it is not possible to locally execute MapReduce jobs in Windows. However, if you are using your own laptop you should be able to. You should apply the following changes to the provided Java project:

1. In *pom.xml*, uncomment the `toolsjar` property and specify the correct path for Java's JDK in your system. Also, uncomment the `jdk.tools` dependency at the end of the file.

2. In *MainLocal.java*, specify in the variable `HADOOP COMMON PATH` the correct path to the `winutils` directory in the provided project. Also, uncomment the first line of the `main` method.

3. The directory `%HADOOP HOME%/bin` must be specified in the variable `PATH`.

   If you are using the IDE IntelliJ IDEA, you should be able to modify the `PATH` variable from a run configuration as follows: