

Instructions how to run the “demo” application from Lucene in Linux environment

1. Download compressed files from Lucene online repository

We will use version 5.2.1 for the demonstration

<http://archive.apache.org/dist/lucene/java/5.2.1/>

Important: download both:

- ".src.tgz" (e.g. lucene-5.2.1-src.tgz)
- ".tgz" (e.g. lucene-5.2.1.tgz , lucene-5.2.1.zip for Windows)

2. Extract both files and merge them

3. Intermediate step (not mandatory), make the “jar” files executable.

```
chmod +x /home/user/lucene/lucene-5.2.1/core/lucene-core-5.2.1.jar
chmod +x /home/user/lucene/lucene-5.2.1/demo/lucene-demo-5.2.1.jar
chmod +x /home/user/lucene/lucene-5.2.1/analysis/common/lucene-analyzers-common-5.2.1.jar
chmod +x /home/user/lucene/lucene-5.2.1/queryparser/lucene-queryparser-5.2.1.jar
```

4. Browse to “demo/src/java” directory within lucene:

```
cd /home/user/lucene/lucene-5.2.1/demo/src/java
```

- a. compile the java file "IndexFiles.java" by adding to java classpath the Lucene jar files

- lucene-core-5.2.1.jar
- lucene-demo-5.2.1.jar
- lucene-analyzers-common-5.2.1.jar
- lucene-queryparser-5.2.1.jar

```
javac -classpath /home/user/lucene/lucene-5.2.1/core/lucene-core-5.2.1.jar:/home/user/lucene/lucene-5.2.1/demo/lucene-demo-5.2.1.jar:/home/user/lucene/lucene-5.2.1/analysis/common/lucene-analyzers-common-5.2.1.jar:/home/user/lucene/lucene-5.2.1/queryparser/lucene-queryparser-5.2.1.jar org/apache/lucene/demo/IndexFiles.java
```

- b. execute the java class by adding the path of the directory with files we would like to index.

Note: For the demo we use the "lucene-5.2.1/demo/src/" directory, you can add any directory which contains text files.

```
java -classpath /home/user/lucene/lucene-5.2.1/core/lucene-core-5.2.1.jar:/home/user/lucene/lucene-5.2.1/demo/lucene-demo-5.2.1.jar:/home/user/lucene/lucene-5.2.1/analysis/common/lucene-analyzers-common-5.2.1.jar:/home/user/lucene/lucene-5.2.1/queryparser/lucene-queryparser-5.2.1.jar org/apache/lucene/demo/IndexFiles -docs /home/user/lucene/lucene-5.2.1/demo/src/
```

```
javac -classpath /home/user/lucene/lucene-5.2.1/core/lucene-core-5.2.1.jar:/home/user/lucene/lucene-5.2.1/demo/lucene-demo-5.2.1.jar:/home/user/lucene/lucene-5.2.1/analysis/common/lucene-analyzers-common-5.2.1.jar:/home/user/lucene/lucene-5.2.1/queryparser/lucene-queryparser-5.2.1.jar org/apache/lucene/demo/SearchFiles.java
```

```
java -classpath /home/user/lucene/lucene-5.2.1/core/lucene-core-5.2.1.jar:/home/user/lucene/lucene-5.2.1/demo/lucene-demo-5.2.1.jar:/home/user/lucene/lucene-5.2.1/analysis/common/lucene-analyzers-common-5.2.1.jar:/home/user/lucene/lucene-5.2.1/queryparser/lucene-queryparser-5.2.1.jar org/apache/lucene/demo/SearchFiles -docs /home/user/lucene/lucene-5.2.1/demo/src/
```

Using LUKE

1. Download the files from the repository:
<https://github.com/DmitryKey/luke/releases/tag/luke-5.2.0>
2. Unzip the files and browse to the “target” directory within Luke
3. Execute the jar file : `java -jar luke-with-deps.jar`
4. Browse to the index directory you already have build and see the results.