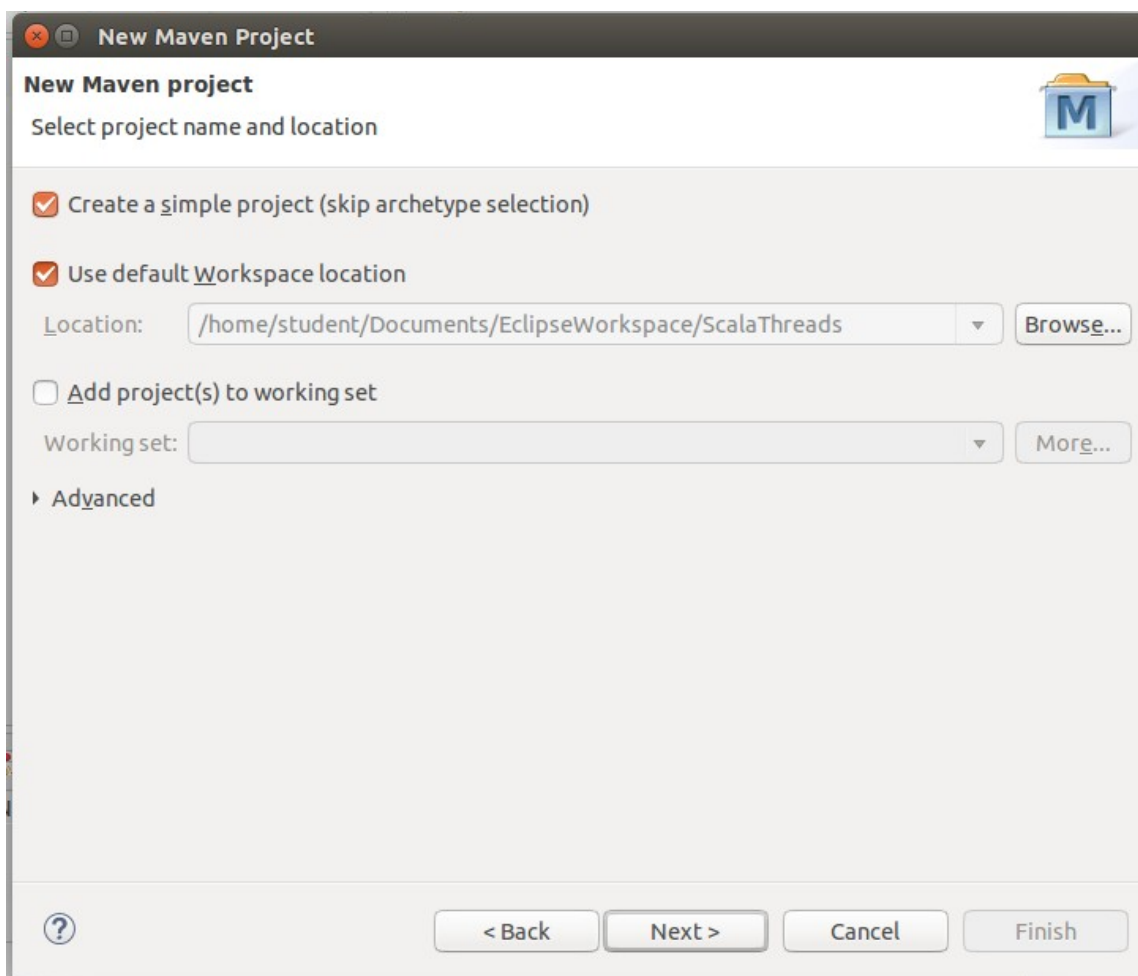


Uputstvo za podešavanje Scala Spark projekta u Eclipse Neon okruženju

Potrebno je imati instaliranu Scalu 2.10, Eclipse Neon razvojno okruženje i Spark IDE dodatak za Eclipse okruženje.

- Napraviti Maven projekat
 - File -> New -> Project -> Maven project
 - Štiklirati opciju kao na slici



New Maven Project

Configure project

Artifact

Group Id: Spark

Artifact Id: Primer

Version: 0.0.1-SNAPSHO

Packaging: jar

Name:

Description:

Parent Project

Group Id:

Artifact Id:

Version: Browse... Clear

Advanced

? < Back Next > Cancel Finish

- Modifikovati datoteku pom.xml
 - dodati sledeću xml konfiguraciju u datoteku pom.xml nakon zatvorene etikete <version>

Konfiguracija:

```
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>

  <groupId>scala.spark</groupId>
  <artifactId>example1</artifactId>
  <version>0.0.1-SNAPSHOT</version>
  <packaging>jar</packaging>

  <name>example1</name>
  <url>http://maven.apache.org</url>

  <properties>
    <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
  </properties>

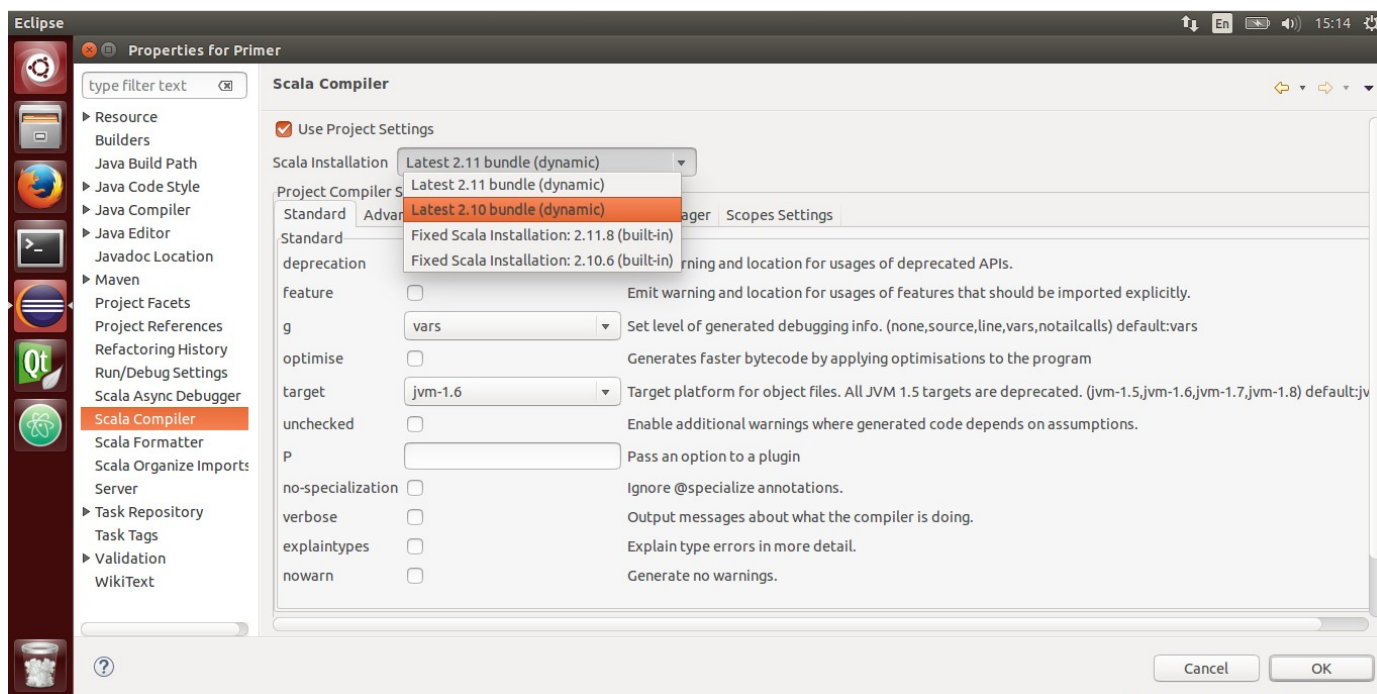
  <dependencies>
    <dependency>
      <groupId>junit</groupId>
      <artifactId>junit</artifactId>
      <version>3.8.1</version>
      <scope>test</scope>
    </dependency>
    <dependency>
      <groupId>org.apache.spark</groupId>
      <artifactId>spark-core_2.10</artifactId>
      <version>1.5.2</version>
    </dependency>
  </dependencies>
  <build>
    <plugins>
      <!-- mixed scala/java compile -->
      <plugin>
        <groupId>org.scala-tools</groupId>
        <artifactId>maven-scala-plugin</artifactId>
        <executions>
          <execution>
            <id>compile</id>
            <goals>
              <goal>compile</goal>
            </goals>
            <phase>compile</phase>
          </execution>
          <execution>
            <id>test-compile</id>
            <goals>
              <goal>testCompile</goal>
            </goals>
            <phase>test-compile</phase>
          </execution>
          <execution>
            <phase>process-resources</phase>
            <goals>
              <goal>compile</goal>
            </goals>
          </execution>
        </executions>
      </plugin>
      <plugin>
        <artifactId>maven-compiler-plugin</artifactId>
        <configuration>
          <source>1.7</source>
          <target>1.7</target>
        </configuration>
      </plugin>
      <!-- for fatjar -->
      <plugin>
        <groupId>org.apache.maven.plugins</groupId>
        <artifactId>maven-assembly-plugin</artifactId>
        <version>2.4</version>
      </plugin>
    </plugins>
  </build>
</project>
```

```

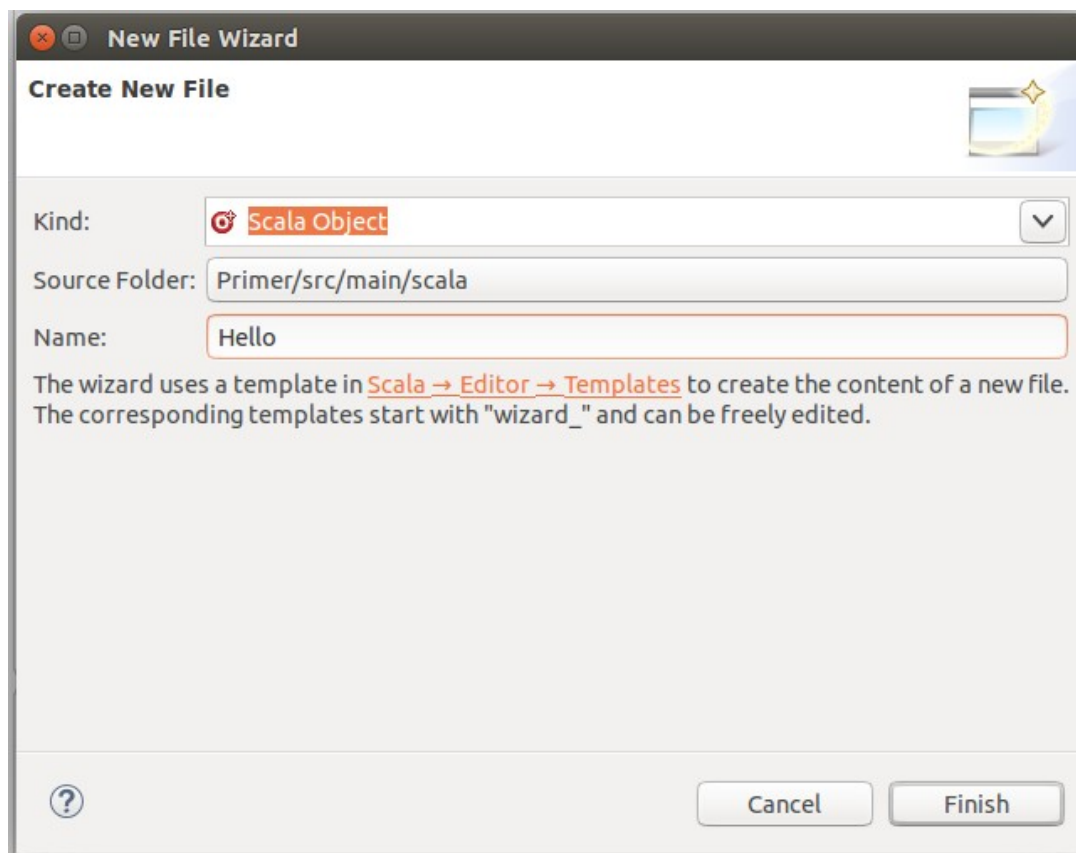
    <configuration>
      <descriptorRefs>
        <descriptorRef>jar-with-dependencies</descriptorRef>
      </descriptorRefs>
    </configuration>
  </executions>
  <execution>
    <id>assemble-all</id>
    <phase>package</phase>
    <goals>
      <goal>single</goal>
    </goals>
  </execution>
</executions>
</plugin>
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-jar-plugin</artifactId>
  <configuration>
    <archive>
      <manifest>
        <addClasspath>>true</addClasspath>
        <mainClass>fully.qualified.MainClass</mainClass>
      </manifest>
    </archive>
  </configuration>
</plugin>
</plugins>
<pluginManagement>
  <plugins>
    <!--This plugin's configuration is used to store Eclipse m2e settings
    only. It has no influence on the Maven build itself. -->
    <plugin>
      <groupId>org.eclipse.m2e</groupId>
      <artifactId>lifecycle-mapping</artifactId>
      <version>1.0.0</version>
      <configuration>
        <lifecycleMappingMetadata>
          <pluginExecutions>
            <pluginExecution>
              <pluginExecutionFilter>
                <groupId>org.scala-
tools</groupId>
                <artifactId> maven-scala-plugin
                </artifactId>
                <versionRange> [2.11.8,)
                </versionRange>
                <goals>
                  <goal>compile</goal>
                </goals>
              </pluginExecutionFilter>
              <action>
                <execute />
              </action>
            </pluginExecution>
          </pluginExecutions>
        </lifecycleMappingMetadata>
      </configuration>
    </plugin>
  </plugins>
</pluginManagement>
</build>
</project>

```

- * Ažurirati projekat
 - Desni klik na projekat -> Maven -> Update project
- * Dodati Scala prirodu projektu
 - Desni klik na projekat -> Configure -> Add Scala nature
- * Postaviti Scala kompajler na verziju Scala 2.10 (jer Spark koristi tu verziju)
 - Desni klik na projekat -> Properties -> Scala compiler -> Scala instalation postaviti na 2.10



- * Preimenovati direktorijum sa izvornim kodovima *src/main/java* u *src/main/scala*
 - Desni klik na direktorijum *src/main/java* -> Refactor -> Rename u scala
 -
- * Napraviti Scala objekat
 - Desni klik na direktorijum *src/main/scala* -> New -> Scala object



- * I programiranje može da počne