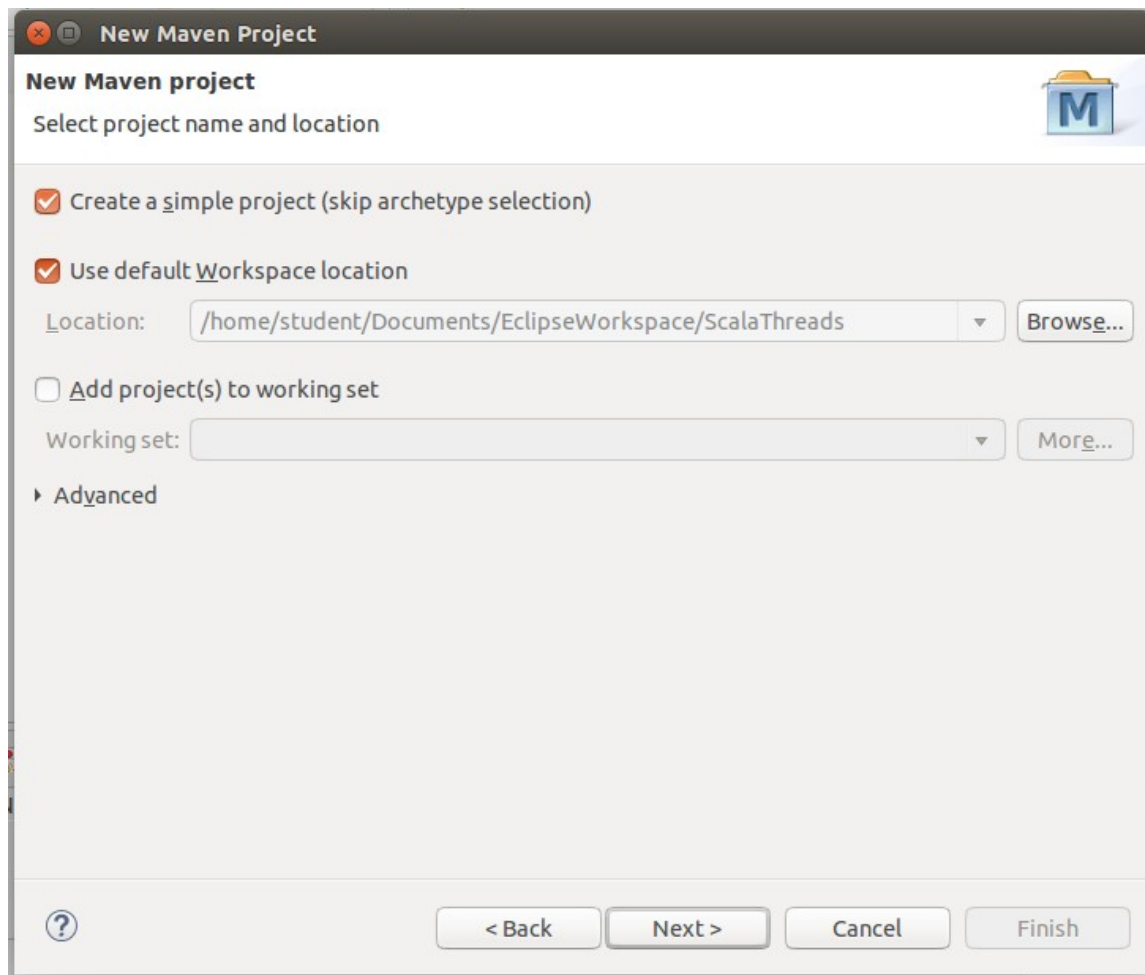


Uputstvo za podešavanje Scala Spark projekta u Eclipse Neon okruženju

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-SNAPSHOT

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>

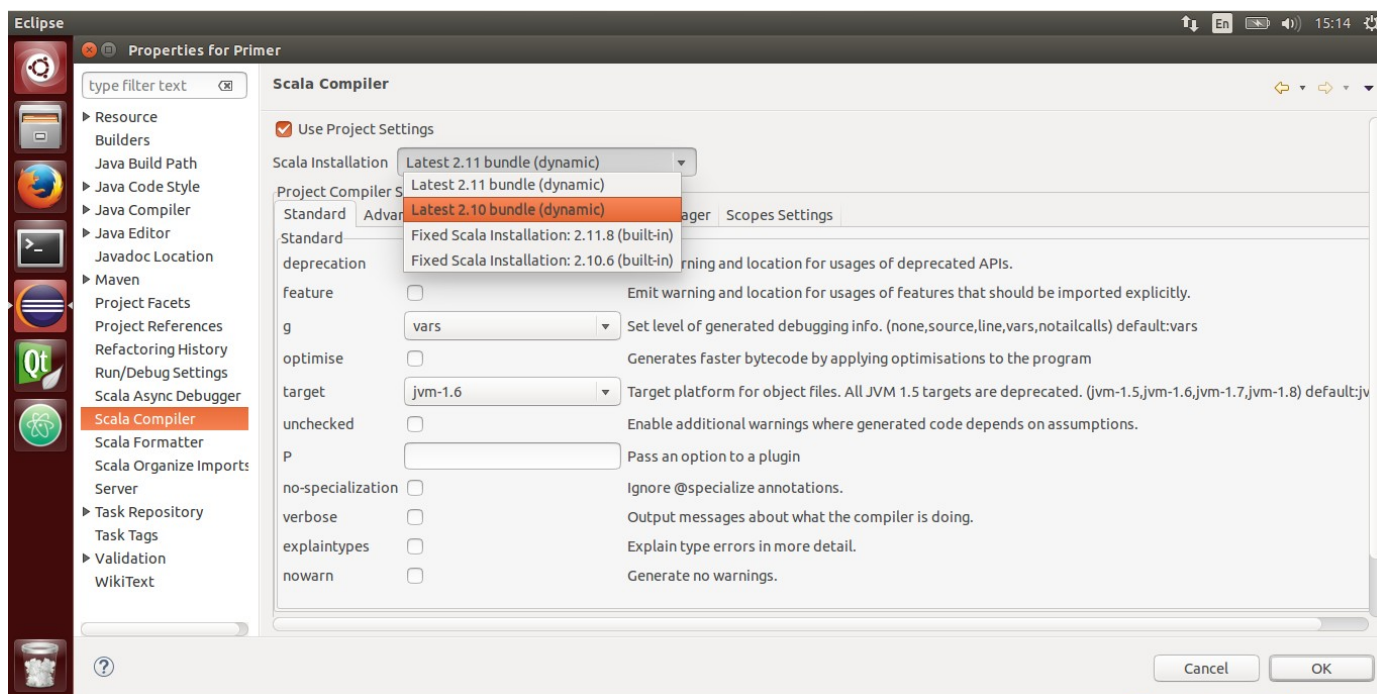
  <dependencies>
    <dependency>
      <groupId>junit</groupId>
      <artifactId>junit</artifactId>
      <version>3.8.1</version>
      <scope>test</scope>
    </dependency>
    <dependency>
      <groupId>org.apache.spark</groupId>
      <artifactId>spark-core_2.10</artifactId>
      <version>1.5.2</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>
```

```

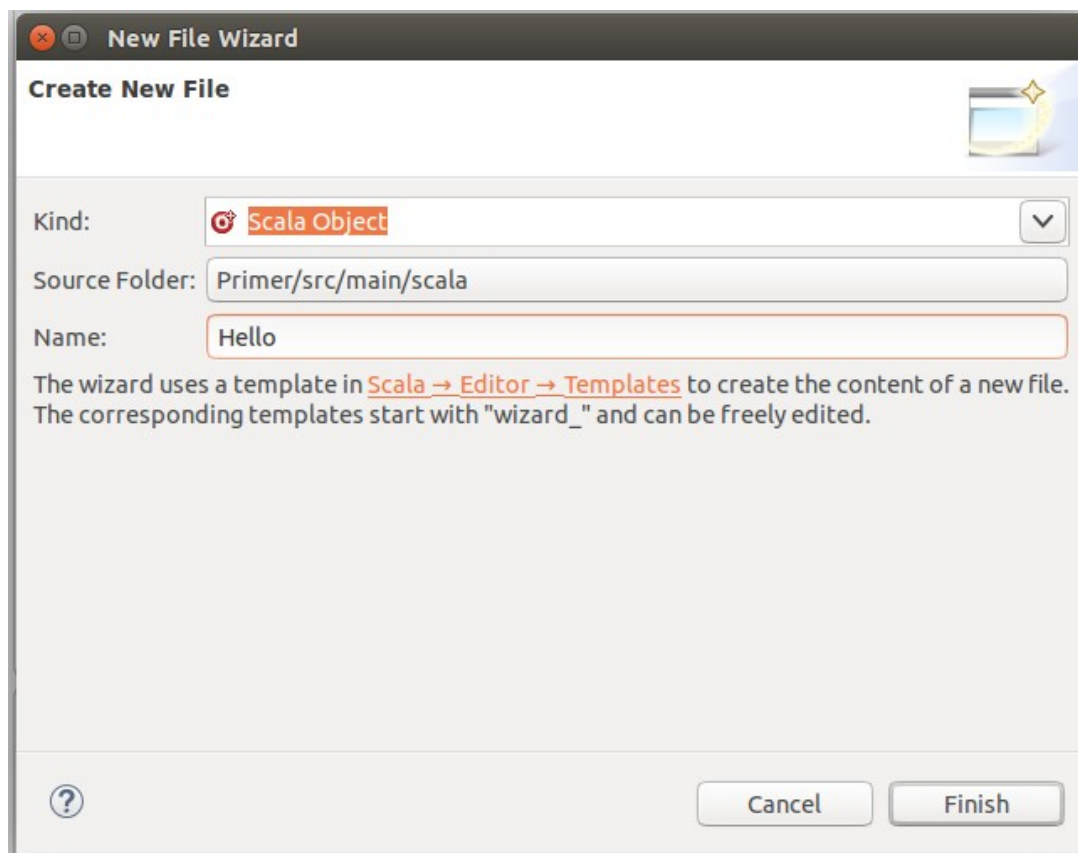
        <configuration>
            <descriptorRefs>
                <descriptorRef>jar-with-dependencies</descriptorRef>
            </descriptorRefs>
        </configuration>
    </executions>
    <execution>
        <id>assemble-all</id>
        <phase>package</phase>
        <goals>
            <goal>single</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 installation 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