

Executing Spring Boot Application using Spark

Asked 6 years, 9 months ago Modified 6 years, 5 months ago Viewed 3k times



I am new to Apache Spark. I am trying to execute simple spring boot application using Spark but I am getting the exception.

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```
ERROR ApplicationMaster: User class threw exception:
java.lang.NoClassDefFoundError: org/springframework/boot/SpringApplication
java.lang.NoClassDefFoundError: org/springframework/boot/SpringApplication
Caused by: java.lang.ClassNotFoundException:
org.springframework.boot.SpringApplication
```

However, i am able to execute this project perfectly file from my Eclipse IDE. It is executing the soul which I have kept.

```
<parent>
  <groupId>org.springframework.boot</groupId>
  <artifactId>spring-boot-starter-parent</artifactId>
  <version>1.3.3.RELEASE</version>
  <relativePath/> <!-- lookup parent from repository -->
</parent>

<properties>
  <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
  <java.version>1.8</java.version>
</properties>

<dependencies>
  <dependency>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-starter</artifactId>
  </dependency>

  <dependency>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-starter-test</artifactId>
    <scope>test</scope>
  </dependency>

  <dependency> <!-- Spark -->
    <groupId>org.apache.spark</groupId>
    <artifactId>spark-core_2.10</artifactId>
    <version>1.4.0</version>
  </dependency>
  <dependency> <!-- Spark SQL -->
    <groupId>org.apache.spark</groupId>
    <artifactId>spark-sql_2.10</artifactId>
    <version>1.4.0</version>
  </dependency>
  <dependency> <!-- Spark SQL -->
    <groupId>com.fasterxml.jackson.module</groupId>
    <artifactId>jackson-module-scala_2.10</artifactId>
```

```
<version>2.6.5</version>
</dependency>
</dependencies>

<build>
  <plugins>
    <plugin>
      <groupId>org.springframework.boot</groupId>
      <artifactId>spring-boot-maven-plugin</artifactId>
    </plugin>
    <plugin>
      <groupId>org.apache.maven.plugins</groupId>
      <artifactId>maven-compiler-plugin</artifactId>
      <version>2.3.2</version>
      <configuration>
        <source>1.8</source>
        <target>1.8</target>
      </configuration>
    </plugin>
  </plugins>
</build>
```

And my main spring boot class is

```
@SpringBootApplication
public class SparkS3Application {

    public static void main(String[] args) {
        SpringApplication.run(SparkS3Application.class, args);
        System.out.println(" ***** called
        *****");
    }
}
```

spring

apache-spark

spring-boot

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edited Jan 23, 2018 at 7:04



dokaspar

8,574 ● 14 ● 73 ● 103

asked Jan 23, 2018 at 6:46



Pratik Joshi

258 ● 2 ● 6 ● 24

Take a look here: github.com/Zhuinden/spring-spark-example, there seem to be a sample setup for executing Spring Boot app in Spark – Alex Savitsky Jan 23, 2018 at 15:07

hi@AlexSavitsky i tried that code also but it did not work. – Pratik Joshi Jan 24, 2018 at 9:03

did you solve this problem? – Srinivas Valekar Apr 17, 2018 at 19:05

@SrinivasValekar Yes i am able to solve that. – Pratik Joshi May 18, 2018 at 11:59

1 Answer

Sorted by: Highest score (default)





I added the required dependency in my spark submit command only using `--jars "jar path,another jar path"`. You need to provide all the jars comma separated after `--jars`.

3



Second thing is try to execute this in spark 2.0 I was using park 1.6 and i was facing issue but it is working perfectly fine with spark 2.0.



Hope this will help you guys..



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answered May 18, 2018 at 12:02



Pratik Joshi

258 ● 2 ● 6 ● 24

2 Or else you can add the jars to the jars folder in the spark – [Sri Harsha](#) May 18, 2018 at 12:11
