

Title: java.io.IOException: invalid constant type: 19 at 5

Post Body:

I have a [project](#). It uses spring boot 2, java 9 and maven. It can be build sucessfully using mvn clean package.

To run spring boot application I used the command

```
java -jar java-cloud-rest-api/target/java-cloud-rest-api-0.0.1-SNAPSHOT.jar
```

But it failed with error

```
org.springframework.beans.factory.BeanCreationException: Error creating bean with name 'entityManagerFactory' defined in class
```

I added additional argument to start command

```
java --add-modules java.xml.bind -jar java-cloud-rest-api/target/java-cloud-rest-api-0.0.1-SNAPSHOT.jar
```

But when I run it, I get this error

```
java.lang.ClassCastException: org.springframework.boot.context.event.ApplicationFailedEvent cannot be cast to org.springframework
```

What is the problem?

Accepted Answer:

Though this doesn't answer on how to fix this but as stated in [JDK-8161256](#) about the Constant pool tags:

Java 9 uses codes 19 and 20 for the module system.

and the way currently javassist creates ClassFile is by looking up in the [ConstantPool](#) (table until Java8) using the [readOne](#) method which certainly lacks something like a Module for the latest java version. Your dependency hierarchy for javassist:

```
org.springframework.boot:spring-boot-starter-actuator:jar:2.0.0.M3:compile
org.springframework.boot:spring-boot-starter-data-jpa:jar:2.0.0.M3:compile
org.hibernate:hibernate-core:jar:5.2.10.Final:compile
• org.javassist:javassist:jar:3.21.0-GA:compile
```

Looking at the [javassist](#) side of things:

There seems to be a similar bug registered on [javassist/issues#147](#).

The [rel. 3.22.0.cr2](#) (last release) from them reads *Compatible with Java 9-ea+164*. Same issue occurs with this version of javassist as well.

So you can probably wait for javassist to come back over this with a solution.

Highest Rated Answer:

I was hit by this problem when using Java version 11. I switched **back to Java 8** and everything was fixed.