

Title: NoClassDefFoundError in service on startup. Is jce_policy-8.zip for security the culprit?

Post Body:

I have a Spring Boot application running in a docker container using JDK 8. I have a Maven goal that builds the docker container and it pulls down jce_policy-8.zip from Oracle's website before building the image. The build suddenly broke a couple of weeks ago when trying to download jce_policy-8.zip. I changed nothing and suddenly it stopped working.

I changed the command that downloads the zip file to a wget instead of a curl and the image then built successfully, but I got an exception on startup in the service. Did something change in jce_policy-8.zip that broke my build?

Here is the Dockerfile that builds the image:

```
FROM openjdk:8-jdk-alpine RUN apk update && apk upgrade && apk add netcat-openbsd && apk add curl RUN mkdir -p /usr/local/con
```

This is the exception that I'm getting on startup:

```
2019-03-25 19:16:49.971 ERROR 21 --- [nio-8888-exec-6] o.a.c.c.C.[.][.][dispatcherServlet] : Servlet.service() for servle
```

I'm puzzled as to why everything worked 2 weeks ago but suddenly stopped working without me changing the code.

Here's another line from the log that might help pinpoint the problem:

```
java.lang.NoClassDefFoundError: Could not initialize class sun.security.ssl.SSLSessionImpl
```

Actually, here's the entire stack trace:

```
th path [] threw exception [Handler dispatch failed; nested exception is java.lang.ExceptionInInitializerError] with root caus
```

Accepted Answer:

I found the solution to the problem! There was a file missing from the image for some reason: `java.io.FileNotFoundException: /usr/lib/libnss3.so`

I used this command: `RUN apk add --no-cache nss` and suddenly everything worked. Not quite sure why. Hope this helps someone.

Highest Rated Answer: None