

maven-shade-plugin - Cannot find 'resource' in class org.apache.maven.plugins.shade.resource.ManifestResourceTransformer

Asked 6 years, 7 months ago Modified today Viewed 39k times



I copied configuration of maven shade plugin straight from apache maven documentation
<https://maven.apache.org/plugins/maven-shade-plugin/examples/resource-transformers.html>

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This is my current set up:



```
<plugin>
<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-shade-plugin</artifactId>
<version>3.1.0</version>
<executions>
<execution>
<goals>
<goal>shade</goal>
</goals>
<configuration>
<transformers>
<transformer
implementation="org.apache.maven.plugins.shade.resource.ManifestResourceTransformer"
<manifestEntries>
<Main-Class>com.my.app.MainClass</Main-Class>
<X-Compile-Source-JDK>1.8</X-Compile-Source-JDK>
<X-Compile-Target-JDK>1.8</X-Compile-Target-JDK>
</manifestEntries>
</transformer>
<transformer
implementation="org.apache.maven.plugins.shade.resource.DontIncludeResourceTransformer"
<resource>.properties</resource>
</transformer>
<transformer
implementation="org.apache.maven.plugins.shade.resource.AppendingTransformer">
<resource>META-INF/spring.handlers</resource>
</transformer>
<transformer
implementation="org.apache.maven.plugins.shade.resource.AppendingTransformer">
<resource>META-INF/spring.schemas</resource>
</transformer>
<transformer
implementation="org.apache.maven.plugins.shade.resource.AppendingTransformer">
<resource>META-INF/spring.tooling</resource>
</transformer>
<transformer
implementation="org.apache.maven.plugins.shade.resource.AppendingTransformer">
<resource>META-INF/spring.factories</resource>
</transformer>
</transformers>
</configuration>
</execution>
</executions>
</plugin>
```

And I'm getting following error:

[ERROR] Failed to execute goal org.apache.maven.plugins:maven-shade-plugin:3.1.0:shade (default) on project cpms-batch: Unable to parse configuration of mojo org.apache.maven.plugins:maven-shade-plugin:3.1.0:shade for parameter resource: Cannot find 'resource' in class

```
org.apache.maven.plugins.shade.resource.ManifestResourceTransformer -> [Help 1]
org.apache.maven.lifecycle.LifecycleExecutionException: Failed to execute goal
org.apache.maven.plugins:maven-shade-plugin:3.1.0:shade (default) on project cpms-batch: Unable to
parse configuration of mojo org.apache.maven.plugins:maven-shade-plugin:3.1.0:shade for parameter
resource: Cannot find 'resource' in class
org.apache.maven.plugins.shade.resource.ManifestResourceTransformer at
org.apache.maven.lifecycle.internal.MojoExecutor.execute(MojoExecutor.java:212) at
org.apache.maven.lifecycle.internal.MojoExecutor.execute(MojoExecutor.java:153) at
org.apache.maven.lifecycle.internal.MojoExecutor.execute(MojoExecutor.java:145) at
org.apache.maven.lifecycle.internal.LifecycleModuleBuilder.buildProject(LifecycleModuleBuilder.java:116) at
org.apache.maven.lifecycle.internal.LifecycleModuleBuilder.buildProject(LifecycleModuleBuilder.java:80) at
org.apache.maven.lifecycle.internal.builder.singlethreaded.SingleThreadedBuilder.build(SingleThreadedBuild
er.java:51) at org.apache.maven.lifecycle.internal.LifecycleStarter.execute(LifecycleStarter.java:128) at
org.apache.maven.DefaultMaven.doExecute(DefaultMaven.java:307) at
org.apache.maven.DefaultMaven.doExecute(DefaultMaven.java:193) at
org.apache.maven.DefaultMaven.execute(DefaultMaven.java:106) at
org.apache.maven.cli.MavenCli.execute(MavenCli.java:863) at
org.apache.maven.cli.MavenCli.doMain(MavenCli.java:288) at
org.apache.maven.cli.MavenCli.main(MavenCli.java:199) at
sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method) at
sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62) at
sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43) at
java.lang.reflect.Method.invoke(Method.java:498) at
org.codehaus.plexus.classworlds.launcher.Launcher.launchEnhanced(Launcher.java:289) at
org.codehaus.plexus.classworlds.launcher.Launcher.launch(Launcher.java:229) at
org.codehaus.plexus.classworlds.launcher.Launcher.mainWithExitCode(Launcher.java:415) at
org.codehaus.plexus.classworlds.launcher.Launcher.main(Launcher.java:356) Caused by:
org.apache.maven.plugin.PluginConfigurationException: Unable to parse configuration of mojo
org.apache.maven.plugins:maven-shade-plugin:3.1.0:shade for parameter resource: Cannot find 'resource'
in class org.apache.maven.plugins.shade.resource.ManifestResourceTransformer at
org.apache.maven.plugin.internal.DefaultMavenPluginManager.populatePluginFields(DefaultMavenPluginMa
nager.java:662) at
org.apache.maven.plugin.internal.DefaultMavenPluginManager.getConfiguredMojo(DefaultMavenPluginMa
nager.java:594) at
org.apache.maven.plugin.DefaultBuildPluginManager.executeMojo(DefaultBuildPluginManager.java:121) at
org.apache.maven.lifecycle.internal.MojoExecutor.execute(MojoExecutor.java:207) ... 20 more Caused by:
org.codehaus.plexus.component.configurator.ComponentConfigurationException: Cannot find 'resource' in
class org.apache.maven.plugins.shade.resource.ManifestResourceTransformer at
org.eclipse.sisu.plexus.CompositeBeanHelper.setProperty(CompositeBeanHelper.java:252) at
org.codehaus.plexus.component.configurator.converters.composite.ObjectWithFieldsConverter.processConf
iguration(ObjectWithFieldsConverter.java:101) at
org.codehaus.plexus.component.configurator.converters.composite.ObjectWithFieldsConverter.fromConfig
uration(ObjectWithFieldsConverter.java:57) at
org.codehaus.plexus.component.configurator.converters.composite.AbstractCollectionConverter.fromChildr
en(AbstractCollectionConverter.java:54) at
org.codehaus.plexus.component.configurator.converters.composite.ArrayConverter.fromConfiguration(Arra
yConverter.java:52) at
org.eclipse.sisu.plexus.CompositeBeanHelper.convertProperty(CompositeBeanHelper.java:273) at
org.eclipse.sisu.plexus.CompositeBeanHelper.setProperty(CompositeBeanHelper.java:210) at
org.codehaus.plexus.component.configurator.converters.composite.ObjectWithFieldsConverter.processConf
```

figuration(ObjectWithFieldsConverter.java:101) at

org.codehaus.plexus.component.configurator.BasicComponentConfigurator.configureComponent(BasicCo

mponentConfigurator.java:34) at

org.apache.maven.plugin.internal.DefaultMavenPluginManager.populatePluginFields(DefaultMavenPluginM
anager.java:632) ... 23 more [ERROR]

I've seen multiple questions regarding that error without the answer: [shade for parameter resource: Cannot find 'resource' in class org.apache.maven.plugins.shade.resource.ManifestResourceTransformer](#)

[Cannot find 'resource' in class org.apache.maven.plugins.shade.resource.ManifestResourceTransformer](#)

Was anyone able to resolve it or found the reason?

maven spring-boot maven-shade-plugin

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asked Mar 11, 2018 at 0:27



Yakiv

703 2 8 19

Spring Boot does not require the Maven Shade Plugin: stackoverflow.com/a/43613830/3810038 – John Red Apr 17, 2020 at 6:31

4 Answers

Sorted by: Highest score (default)



This post resolved my issue: <https://github.com/spring-projects/spring-boot/issues/384>

30



```
<build>
  <plugins>
    <plugin>
      <groupId>org.apache.maven.plugins</groupId>
      <artifactId>maven-shade-plugin</artifactId>
      <executions>
        <execution>
          <phase>package</phase>
          <goals>
            <goal>shade</goal>
          </goals>
          <configuration>
            <transformers>
              <transformer

implementation="org.apache.maven.plugins.shade.resource.AppendingTransformer">
              <resource>META-INF/spring.handlers</resource>
            </transformer>
            <transformer

implementation="org.springframework.boot.maven.PropertiesMergingResourceTransformer"
              <resource>META-INF/spring.factories</resource>
            </transformer>
            <transformer

implementation="org.apache.maven.plugins.shade.resource.AppendingTransformer">
              <resource>META-INF/spring.schemas</resource>
            </transformer>
            <transformer

implementation="org.apache.maven.plugins.shade.resource.ServicesResourceTransformer"
            />
              <transformer
```

```

implementation="org.apache.maven.plugins.shade.resource.ManifestResourceTransformer"
    <mainClass>${start-class}</mainClass>
  </transformer>
</transformers>
</configuration>
</execution>
</executions>
</plugin>
</plugins>
</build>

```

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answered Mar 11, 2018 at 17:36



Yakiv

703 2 8 19

13 It would be great to have an explanation. The github post is old and explains nothing. Having said that, this solution did fix my problem. – [markthegrea](#) Apr 9, 2020 at 18:41



It's going to sound stupid but you need **add an id and a phase** to your shade plugin configuration (I don't know why but it works)

27



```

<executions>
  <execution>
    <id>shade-jar-with-dependencies</id>
    <phase>package</phase>
    <goals>
      <goal>shade</goal>
    </goals>
    <configuration>
      <transformers>
        <transformer
implementation="org.apache.maven.plugins.shade.resource.ManifestResourceTransformer"
          <manifestEntries>
            <Main-Class>com.my.app.MainClass</Main-Class>
          </manifestEntries>
        </transformer>
      </transformers>
    </configuration>
  </execution>
</executions>

```

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edited Jul 7, 2023 at 18:57

answered Jul 7, 2023 at 18:57

Ing. Christian Lugo
Govea

271 3 3

Thanks buddy, no idea why the Transformers documentation doesn't include this in their examples. – [Adam D.](#) Aug 5, 2023 at 16:00

3 yes, after adding the id tag, it worked. i had already phase in my pom.xml – [jdk](#) Sep 4, 2023 at 6:22

2 Thanks. In my case with Spring Boot 3.2.2 and therefore maven-shade-plugin 3.4.1, adding "id" was sufficient. Adding "phase" was not necessary. – [Ivan dal Bosco](#) Feb 15 at 12:18



Spring Boot has its own maven-shade-plugin config. Add this property to your pom.xml:

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```
<properties>
<start-
class>com.lionmint.core.test.integration.apns.mock.MockAPNServer</start-class>
</properties>
```



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edited Oct 30, 2022 at 10:24



Frans Oosterhof

333 1 8

answered Apr 5, 2018 at 8:06



Lukaesch

171 1 7

This is a good answer cause not only this solved my issue I also got to navigate to `spring-boot-starter-parent-3.2.2.pom` file where I was able to understand what all properties are configurable and what all options are available out of the box and what all options are configurable. Thank you. – [Himank Jog](#) Jan 29 at 3:39



1

```
<transformer
implementation="org.apache.maven.plugins.shade.resource.ManifestResourceTransformer"
<mainClass>com.Application</mainClass>
</transformer>
```

Step 2: Add a property with property name as `start-class` and value as your `application.java` classpath :

```
<properties>
<start-class>com.Application</start-class>
</properties>
```

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edited 9 hours ago



Kaan

5,724 3 22 45

answered Jun 25 at 6:58



Zahid Khan

3,069 2 27 36