

Title: SparkLauncher. java.lang.NoSuchMethodError: org.yaml.snakeyaml.Yaml.

Post Body:

Good day colleagues. I developed an application based on sparkLauncher that run an executable jar where are 5 operations. Each operation depending on the specific variable. I have a main hadoop cluster spark2.3.0-hadoop2.6.5. It works good on it. Part of my working code:

```
private void runSparkJob(String pathToJar, final LocalDate startDate, final LocalDate endDate) { if (executionInProgress)
```

I have started a docker container, where is a downloaded spark 2.3.0-hadoop6. This container needed for testers. **I changed master to .setMaster('local'), put new profile with paths to sparkHome, jarsWithOperations** and packaged jar without shade(tried with shade and it doesn't work for me). When i tried to run my sparkLaunch app i have an exception now:

```
2018-08-06 14:47:53,150 INFO [n.m.m.b.r.SparkBaseOperationsRunner.runSparkJob] 105 : Create SparkLauncher. SparkHome:
[/opt/bigtv/spark/spark-2.3.0-bin-hadoop2.6]. JarPath: [/opt/bigtv/bin/multirating-bigdata-operations-MASTER-SNAPSHOT.jar]. 2018-08-06 14:47:54,905
INFO [o.a.spark.launcher.OutputRedirector.redirect] 63 : 2018-08-06 14:47:54 WARN NativeCodeLoader:62 - Unable to load native-hadoop library for your
platform... using builtin-java classes where applicable 2018-08-06 14:47:57,042 INFO [o.a.spark.launcher.OutputRedirector.redirect] 63 : 2018-08-06
14:47:57 ERROR SpringApplication:842 - Application run failed 2018-08-06 14:47:57,043 INFO [o.a.spark.launcher.OutputRedirector.redirect] 63 :
java.lang.NoSuchMethodError:
org.yaml.snakeyaml.Yaml.(Lorg/yaml/snakeyaml/constructor/BaseConstructor;Lorg/yaml/snakeyaml/representer/Representer;Lorg/yaml/snakeyaml/Dumper;
2018-08-06 14:47:57,043 INFO [o.a.spark.launcher.OutputRedirector.redirect] 63 : at
org.springframework.boot.env.OriginTrackedYamlLoader.createYaml(OriginTrackedYamlLoader.java:70) 2018-08-06 14:47:57,043 INFO
[o.a.spark.launcher.OutputRedirector.redirect] 63 : at org.springframework.beans.factory.config.YamlProcessor.process(YamlProcessor.java:139)
2018-08-06 14:47:57,044 INFO [o.a.spark.launcher.OutputRedirector.redirect] 63 : at
org.springframework.boot.env.OriginTrackedYamlLoader.load(OriginTrackedYamlLoader.java:75) 2018-08-06 14:47:57,044 INFO
[o.a.spark.launcher.OutputRedirector.redirect] 63 : at org.springframework.boot.env.YamlPropertySourceLoader.load(YamlPropertySourceLoader.java:50)
2018-08-06 14:47:57,044 INFO [o.a.spark.launcher.OutputRedirector.redirect] 63 : at
org.springframework.boot.context.config.ConfigFileApplicationListener$Loader.loadDocuments(ConfigFileApplicationListener.java:547) 2018-08-06
14:47:57,044 INFO [o.a.spark.launcher.OutputRedirector.redirect] 63 : at
org.springframework.boot.context.config.ConfigFileApplicationListener$Loader.load(ConfigFileApplicationListener.java:517) 2018-08-06 14:47:57,045
INFO [o.a.spark.launcher.OutputRedirector.redirect] 63 : at
org.springframework.boot.context.config.ConfigFileApplicationListener$Loader.loadForFileExtension(ConfigFileApplicationListener.java:496) 2018-08-06
14:47:57,045 INFO [o.a.spark.launcher.OutputRedirector.redirect] 63 : at
org.springframework.boot.context.config.ConfigFileApplicationListener$Loader.load(ConfigFileApplicationListener.java:464) 2018-08-06 14:47:57,045
INFO [o.a.spark.launcher.OutputRedirector.redirect] 63 : at
org.springframework.boot.context.config.ConfigFileApplicationListener$Loader.lambda$null$6(ConfigFileApplicationListener.java:446) 2018-08-06
14:47:57,046 INFO [o.a.spark.launcher.OutputRedirector.redirect] 63 : at java.lang.Iterable.forEach(Iterable.java:75) 2018-08-06 14:47:57,046 INFO
[o.a.spark.launcher.OutputRedirector.redirect] 63 : at
org.springframework.boot.context.config.ConfigFileApplicationListener$Loader.lambda$load$7(ConfigFileApplicationListener.java:445) 2018-08-06
14:47:57,046 INFO [o.a.spark.launcher.OutputRedirector.redirect] 63 : at java.lang.Iterable.forEach(Iterable.java:75) 2018-08-06 14:47:57,046 INFO
[o.a.spark.launcher.OutputRedirector.redirect] 63 : at
org.springframework.boot.context.config.ConfigFileApplicationListener$Loader.load(ConfigFileApplicationListener.java:442) 2018-08-06 14:47:57,046
INFO [o.a.spark.launcher.OutputRedirector.redirect] 63 : at
org.springframework.boot.context.config.ConfigFileApplicationListener$Loader.load(ConfigFileApplicationListener.java:330) 2018-08-06 14:47:57,047
INFO [o.a.spark.launcher.OutputRedirector.redirect] 63 : at
org.springframework.boot.context.config.ConfigFileApplicationListener.addPropertySources(ConfigFileApplicationListener.java:212) 2018-08-06
14:47:57,047 INFO [o.a.spark.launcher.OutputRedirector.redirect] 63 : at
org.springframework.boot.context.config.ConfigFileApplicationListener.postProcessEnvironment(ConfigFileApplicationListener.java:195) 2018-08-06
14:47:57,047 INFO [o.a.spark.launcher.OutputRedirector.redirect] 63 : at
org.springframework.boot.context.config.ConfigFileApplicationListener.onApplicationEnvironmentPreparedEvent(ConfigFileApplicationListener.java:182)
2018-08-06 14:47:57,047 INFO [o.a.spark.launcher.OutputRedirector.redirect] 63 : at
org.springframework.boot.context.config.ConfigFileApplicationListener.onApplicationEvent(ConfigFileApplicationListener.java:168) 2018-08-06
14:47:57,048 INFO [o.a.spark.launcher.OutputRedirector.redirect] 63 : at
org.springframework.context.event.SimpleApplicationEventMulticaster.doInvokeListener(SimpleApplicationEventMulticaster.java:172) 2018-08-06
14:47:57,048 INFO [o.a.spark.launcher.OutputRedirector.redirect] 63 : at
org.springframework.context.event.SimpleApplicationEventMulticaster.invokeListener(SimpleApplicationEventMulticaster.java:165) 2018-08-06
14:47:57,048 INFO [o.a.spark.launcher.OutputRedirector.redirect] 63 : at
org.springframework.context.event.SimpleApplicationEventMulticaster.multicastEvent(SimpleApplicationEventMulticaster.java:139) 2018-08-06
14:47:57,048 INFO [o.a.spark.launcher.OutputRedirector.redirect] 63 : at
org.springframework.context.event.SimpleApplicationEventMulticaster.multicastEvent(SimpleApplicationEventMulticaster.java:127) 2018-08-06
14:47:57,049 INFO [o.a.spark.launcher.OutputRedirector.redirect] 63 : at
org.springframework.boot.context.event.EventPublishingRunListener.environmentPrepared(EventPublishingRunListener.java:74) 2018-08-06 14:47:57,049
INFO [o.a.spark.launcher.OutputRedirector.redirect] 63 : at
org.springframework.boot.SpringApplicationRunListeners.environmentPrepared(SpringApplicationRunListeners.java:54) 2018-08-06 14:47:57,049 INFO
[o.a.spark.launcher.OutputRedirector.redirect] 63 : at org.springframework.boot.SpringApplication.prepareEnvironment(SpringApplication.java:358)
2018-08-06 14:47:57,049 INFO [o.a.spark.launcher.OutputRedirector.redirect] 63 : at
org.springframework.boot.SpringApplication.run(SpringApplication.java:317) 2018-08-06 14:47:57,050 INFO [o.a.spark.launcher.OutputRedirector.redirect]
63 : at org.springframework.boot.SpringApplication.run(SpringApplication.java:1255) 2018-08-06 14:47:57,050 INFO
[o.a.spark.launcher.OutputRedirector.redirect] 63 : at org.springframework.boot.SpringApplication.run(SpringApplication.java:1243) 2018-08-06
14:47:57,050 INFO [o.a.spark.launcher.OutputRedirector.redirect] 63 : at
net.mediascope.multirating.bigdata.operations.OperationRunner.main(OperationRunner.java:21) 2018-08-06 14:47:57,050 INFO
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[o.a.spark.launcher.OutputRedirector.redirect] 63 : at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method) 2018-08-06 14:47:57,050 INFO
[o.a.spark.launcher.OutputRedirector.redirect] 63 : at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62) 2018-08-06
14:47:57,051 INFO [o.a.spark.launcher.OutputRedirector.redirect] 63 : at
sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43) 2018-08-06 14:47:57,051 INFO
[o.a.spark.launcher.OutputRedirector.redirect] 63 : at java.lang.reflect.Method.invoke(Method.java:498) 2018-08-06 14:47:57,051 INFO
[o.a.spark.launcher.OutputRedirector.redirect] 63 : at org.springframework.boot.loader.MainMethodRunner.run(MainMethodRunner.java:48) 2018-08-06
14:47:57,051 INFO [o.a.spark.launcher.OutputRedirector.redirect] 63 : at org.springframework.boot.loader.Launcher.launch(Launcher.java:87) 2018-08-06
14:47:57,052 INFO [o.a.spark.launcher.OutputRedirector.redirect] 63 : at org.springframework.boot.loader.Launcher.launch(Launcher.java:50) 2018-08-06
14:47:57,052 INFO [o.a.spark.launcher.OutputRedirector.redirect] 63 : at org.springframework.boot.loader.JarLauncher.main(JarLauncher.java:51)
2018-08-06 14:47:57,052 INFO [o.a.spark.launcher.OutputRedirector.redirect] 63 : at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
2018-08-06 14:47:57,052 INFO [o.a.spark.launcher.OutputRedirector.redirect] 63 : at
sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62) 2018-08-06 14:47:57,053 INFO
[o.a.spark.launcher.OutputRedirector.redirect] 63 : at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
2018-08-06 14:47:57,053 INFO [o.a.spark.launcher.OutputRedirector.redirect] 63 : at java.lang.reflect.Method.invoke(Method.java:498) 2018-08-06
14:47:57,053 INFO [o.a.spark.launcher.OutputRedirector.redirect] 63 : at org.apache.spark.deploy.JavaMainApplication.start(SparkApplication.scala:52)
2018-08-06 14:47:57,053 INFO [o.a.spark.launcher.OutputRedirector.redirect] 63 : at
org.apache.spark.deploy.SparkSubmit$.org$apache$spark$deploy$SparkSubmit$$runMain(SparkSubmit.scala:879) 2018-08-06 14:47:57,054 INFO
[o.a.spark.launcher.OutputRedirector.redirect] 63 : at org.apache.spark.deploy.SparkSubmit$.doRunMain$1(SparkSubmit.scala:197) 2018-08-06
14:47:57,054 INFO [o.a.spark.launcher.OutputRedirector.redirect] 63 : at org.apache.spark.deploy.SparkSubmit$.submit(SparkSubmit.scala:227)
2018-08-06 14:47:57,054 INFO [o.a.spark.launcher.OutputRedirector.redirect] 63 : at
org.apache.spark.deploy.SparkSubmit$.main(SparkSubmit.scala:136) 2018-08-06 14:47:57,054 INFO [o.a.spark.launcher.OutputRedirector.redirect] 63 :
at org.apache.spark.deploy.SparkSubmit.main(SparkSubmit.scala) 2018-08-06 14:47:57,058 INFO [o.a.spark.launcher.OutputRedirector.redirect] 63 :
2018-08-06 14:47:57 INFO ShutdownHookManager:54 - Shutdown hook called 2018-08-06 14:47:57,060 INFO
[o.a.spark.launcher.OutputRedirector.redirect] 63 : 2018-08-06 14:47:57 INFO ShutdownHookManager:54 - Deleting directory
/tmp/spark-55b54924-e628-43fe-9e43-ed34d7f35a8b 2018-08-06 14:47:57,151 INFO
[o.s.b.a.l.ConditionEvaluationReportLoggingListener.logAutoConfigurationReport] 101 :
```

Error starting ApplicationContext. To display the conditions report re-run your application with 'debug' enabled.

In my project i have snake yml 1.19 from spring 5.0 and no others dependencies. I can not understand what the problem is, perhaps when I put it into docker container manual it was necessary to install something else besides the spark.

Pom from module with operations:

```
<dependencies>
    <dependency>
        <groupId>net.mediascope</groupId>
        <artifactId>multirating-bigdata-
```

Accepted Answer:

I have found solution. Origin spark package has folder jars where is snakeymml 1.15, i changed it to 1.19 and all work now.

Highest Rated Answer:

I could fix by downgrading version of snakeymml to 1.33, Spark provided version as 2.0 and with 1.33 I get this fixed.