

解决java.lang.ClassNotFoundException: jdk.internal.misc.Unsafe异常

原创

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订阅专栏

先说一下背景

1.netty-all用的版本4.1.11.Final

```
<dependency>
  <groupId>io.netty</groupId>
  <artifactId>netty-all</artifactId>
  <version>4.1.12.Final</version>
</dependency>
```

2.jdk版本1.8.0_151

3.操作系统win10

报错日志如下

```
19-10-11.14:49:55.916 [JSF-CLI-CONN-com.jd.jsf.service.RegistryService-4-T-1] DEBUG PlatformDependent0
java.lang.ClassNotFoundException: jdk.internal.misc.Unsafe
    at java.net.URLClassLoader.findClass(URLClassLoader.java:381)
    at java.lang.ClassLoader.loadClass(ClassLoader.java:424)
    at sun.misc.Launcher$AppClassLoader.loadClass(Launcher.java:335)
    at java.lang.ClassLoader.loadClass(ClassLoader.java:357)
    at io.netty.util.internal.PlatformDependent0$6.run(PlatformDependent0.java:295)
    at java.security.AccessController.doPrivileged(Native Method)
    at io.netty.util.internal.PlatformDependent0.<clinit>(PlatformDependent0.java:288)
    at io.netty.util.internal.PlatformDependent.getSystemClassLoader(PlatformDependent.java:895)
    at io.netty.util.internal.PlatformDependent.isAndroid0(PlatformDependent.java:919)
    at io.netty.util.internal.PlatformDependent.<clinit>(PlatformDependent.java:70)
    at io.netty.util.ConstantPool.<init>(ConstantPool.java:32)
    at io.netty.util.Signal$1.<init>(Signal.java:27)
    at io.netty.util.Signal.<clinit>(Signal.java:27)
    at io.netty.util.concurrent.DefaultPromise.<clinit>(DefaultPromise.java:43)
    at io.netty.util.concurrent.MultithreadEventExecutorGroup.<init>(MultithreadEventExecutorGroup.java:36)
    at io.netty.util.concurrent.MultithreadEventExecutorGroup.<init>(MultithreadEventExecutorGroup.java:58)
    at io.netty.util.concurrent.MultithreadEventExecutorGroup.<init>(MultithreadEventExecutorGroup.java:47)
    at io.netty.channel.MultithreadEventLoopGroup.<init>(MultithreadEventLoopGroup.java:59)
    at io.netty.channel.nio.NioEventLoopGroup.<init>(NioEventLoopGroup.java:77)
    at io.netty.channel.nio.NioEventLoopGroup.<init>(NioEventLoopGroup.java:72)
    at io.netty.channel.nio.NioEventLoopGroup.<init>(NioEventLoopGroup.java:59)
    at com.jd.jsf.gd.transport.ClientTransportConfig.initEventLoop(ClientTransportConfig.java:181)
    at com.jd.jsf.gd.transport.ClientTransportConfig.getEventLoopGroup(ClientTransportConfig.java:166)
    at com.jd.jsf.gd.transport.ClientTransportFactory.BuildChannel(ClientTransportFactory.java:203)
    at com.jd.jsf.gd.transport.ClientTransportFactory.instanceTransport(ClientTransportFactory.java:177)
    at com.jd.jsf.gd.transport.ClientTransportFactory.initTransport(ClientTransportFactory.java:153)
    at com.jd.jsf.gd.transport.ClientTransportFactory.getClientTransport(ClientTransportFactory.java:78)
    at com.jd.jsf.gd.client.Client$1.run(Client.java:411)
    at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1149)
    at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:624)
    at java.lang.Thread.run(Thread.java:748)
```

报错日志看明显，是找不到Unsafe类

从上面日志第一行去看，这个类PlatformDependent0的Unsafe属性有问题，通过定位发现该类是netty-all这个jar包的，进入这个类看，发现其Unsafe类是sun.misc包下面的，该包是jdk1.8，可是为啥为报错找不到jdk.internal.misc包下面的。。。 （这个问题至今没找到原因。。如果有人知道可以回复一下）

```
import sun.misc.Unsafe;

final class PlatformDependent0 {
    private static final InternalLogger logger = InternalLoggerFactory.getInstance(PlatformDependent0.class);
    static final Unsafe UNSAFE;
    private static final long ADDRESS_FIELD_OFFSET;
```

google了一下，找到的解决方案升级netty-all到4.1.12.Final

<https://github.com/netty/netty/issues/6855>



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