



链滴

Solo(3.6.4) 升级到 的最新的 docker 镜像所遇到的问题

作者: [expoli](#)

原文链接: <https://ld246.com/article/1567506022671>

来源网站: [链滴](#)

许可协议: [署名-相同方式共享 4.0 国际 \(CC BY-SA 4.0\)](#)

Solo(3.6.4) 升级到 的最新的 docker 镜像所遇到的问题

1. 问题背景

今天在登陆到服务器的时候、发现提示信息中提示 Ubuntu18.03 已经可用，原版本为16.04，于是抱更新的想法就根据提示进行了更新。

1.1 Ubuntu 升级至 18.03

```
# 提示信息中的版本更新命令
# 运行后会提示你还有软件未更新至最新版本
# do-release-upgrade
# 更新软件
# apt-get update
# apt-get upgrade
# 如果有被锁定版本的软件还需要更新版本锁定软件
# apt-get 被锁定版本的软件的包名
# 再次进行更新
# do-release-upgrade
# 根据需要选择各种安装提示 (Y/N)
```

1.2 遇到的问题

因为我所使用的solo为 docker 镜像、在更新系统的时候就无法避免地进行 docker 的版本更新、更新的版本为 18.09.07。随后我又进行了最新镜像地拉取 `docker-compose pull`。

- docker-compose 各镜像信息

```
solo:
image: b3log/solo:latest
```

```
mysql:
image: mysql:5.5.60
```

```
php:
image: tangcuyu/php:7.2-fpm-mysqli
```

```
# docker -v
Docker version 18.09.7, build 2d0083d
```

然而在更新后却发现 solo 镜像无法正常启动老是报错：`Communications link failure`。

```
solo | [INFO ]-[2019-09-03 16:16:19]-[com.zaxxer.hikari.HikariDataSource:110]: HikariPool-1
- Starting...
solo | [WARN ]-[2019-09-03 16:16:19]-[com.zaxxer.hikari.util.DriverDataSource:68]: Register
d driver with driverClassName=com.mysql.jdbc.Driver was not found, trying direct instantiati
n.
solo-mysql | InnoDB: Unable to lock ./ibdata1, error: 11
solo-mysql | InnoDB: Check that you do not already have another mysqld process
solo-mysql | InnoDB: using the same InnoDB data or log files.
solo | [ERROR]-[2019-09-03 16:16:20]-[com.zaxxer.hikari.pool.HikariPool:574]: HikariPool-1 -
```

Exception during pool initialization.

```
solo | com.mysql.cj.jdbc.exceptions.CommunicationsException: Communications link failure
solo |
solo | The last packet sent successfully to the server was 0 milliseconds ago. The driver has
solo | ot received any packets from the server.
solo | at com.mysql.cj.jdbc.exceptions.SQLException.createCommunicationsException(SQLExcep
solo | r.java:174)
solo | at com.mysql.cj.jdbc.exceptions.SQLExceptionsMapping.translateException(SQLExcep
solo | tionsMapping.java:64)
solo | at com.mysql.cj.jdbc.ConnectionImpl.createNewIO(ConnectionImpl.java:835)
solo | at com.mysql.cj.jdbc.ConnectionImpl.<init>(ConnectionImpl.java:455)
solo | at com.mysql.cj.jdbc.ConnectionImpl.getInstance(ConnectionImpl.java:240)
solo | at com.mysql.cj.jdbc.NonRegisteringDriver.connect(NonRegisteringDriver.java:199)
solo | at com.zaxxer.hikari.util.DriverDataSource.getConnection(DriverDataSource.java:1
solo | 6)
solo | at com.zaxxer.hikari.pool.PoolBase.newConnection(PoolBase.java:369)
solo | at com.zaxxer.hikari.pool.PoolBase.newPoolEntry(PoolBase.java:198)
solo | at com.zaxxer.hikari.pool.HikariPool.createPoolEntry(HikariPool.java:467)
solo | at com.zaxxer.hikari.pool.HikariPool.checkFailFast(HikariPool.java:541)
solo | at com.zaxxer.hikari.pool.HikariPool.<init>(HikariPool.java:115)
solo | at com.zaxxer.hikari.HikariDataSource.getConnection(HikariDataSource.java:112)
solo | at org.b3log.latke.repository.jdbc.util.Connections.getConnection(Connections.java
solo | 206)
solo | at org.b3log.solo.service.InitService.initTables(InitService.java:178)
solo | at org.b3log.solo.service.InitService_$$jvstec_49.d7initTables(InitService_$$jvst
solo | cc_49.java)
solo | at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
solo | at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:
solo | 2)
solo | at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessor
solo | mpl.java:43)
solo | at java.lang.reflect.Method.invoke(Method.java:498)
solo | at org.b3log.latke.ioc.JavassistMethodHandler.invoke(JavassistMethodHandler.java
solo | 116)
solo | at org.b3log.solo.service.InitService_$$jvstec_49.initTables(InitService_$$jvstec
solo | c_49.java)
solo | at org.b3log.solo.SoloServletListener.contextInitialized(SoloServletListener.java:106)
solo |
solo | at org.eclipse.jetty.server.handler.ContextHandler.callContextInitialized(ContextHa
solo | dler.java:952)
solo | at org.eclipse.jetty.servlet.ServletContextHandler.callContextInitialized(ServletCont
solo | xtHandler.java:558)
solo | at org.eclipse.jetty.server.handler.ContextHandler.startContext(ContextHandler.java
solo | 917)
solo | at org.eclipse.jetty.servlet.ServletContextHandler.startContext(ServletContextHand
solo | ler.java:370)
solo | at org.eclipse.jetty.webapp.WebAppContext.startWebapp(WebAppContext.java:14
solo | 7)
solo | at org.eclipse.jetty.webapp.WebAppContext.startContext(WebAppContext.java:14
solo | 9)
solo | at org.eclipse.jetty.server.handler.ContextHandler.doStart(ContextHandler.java:847)
solo |
solo | at org.eclipse.jetty.servlet.ServletContextHandler.doStart(ServletContextHandler.ja
solo | a:287)
```

```

solo | at org.eclipse.jetty.webapp.WebAppContext.doStart(WebAppContext.java:545)
solo | at org.eclipse.jetty.util.component.AbstractLifeCycle.start(AbstractLifeCycle.java:68)
solo | at org.eclipse.jetty.util.component.ContainerLifeCycle.start(ContainerLifeCycle.java
138)
solo | at org.eclipse.jetty.server.Server.start(Server.java:416)
solo | at org.eclipse.jetty.util.component.ContainerLifeCycle.doStart(ContainerLifeCycle.j
va:108)
solo | at org.eclipse.jetty.server.handler.AbstractHandler.doStart(AbstractHandler.java:11
)
solo | at org.eclipse.jetty.server.Server.doStart(Server.java:383)
solo | at org.eclipse.jetty.util.component.AbstractLifeCycle.start(AbstractLifeCycle.java:68)
solo | at org.b3log.solo.Starter.main(Starter.java:177)
solo | Caused by: com.mysql.cj.exceptions.CJCommunicationsException: Communications li
k failure
solo |
solo | The last packet sent successfully to the server was 0 milliseconds ago. The driver has
ot received any packets from the server.
solo | at sun.reflect.NativeConstructorAccessorImpl.newInstance0(Native Method)
solo | at sun.reflect.NativeConstructorAccessorImpl.newInstance(NativeConstructorAcce
sorImpl.java:62)
solo | at sun.reflect.DelegatingConstructorAccessorImpl.newInstance(DelegatingConstru
torAccessorImpl.java:45)
solo | at java.lang.reflect.Constructor.newInstance(Constructor.java:423)
solo | at com.mysql.cj.exceptions.ExceptionFactory.createException(ExceptionFactory.java
61)
solo | at com.mysql.cj.exceptions.ExceptionFactory.createException(ExceptionFactory.java
105)
solo | at com.mysql.cj.exceptions.ExceptionFactory.createException(ExceptionFactory.java
151)
solo | at com.mysql.cj.exceptions.ExceptionFactory.createCommunicationsException(Exc
ptionFactory.java:167)
solo | at com.mysql.cj.protocol.a.NativeSocketConnection.connect(NativeSocketConnect
on.java:91)
solo | at com.mysql.cj.NativeSession.connect(NativeSession.java:152)
solo | at com.mysql.cj.jdbc.ConnectionImpl.connectOneTryOnly(ConnectionImpl.java:955)
solo |
solo | at com.mysql.cj.jdbc.ConnectionImpl.createNewIO(ConnectionImpl.java:825)
solo | ... 37 more
solo | Caused by: java.net.ConnectException: Connection refused (Connection refused)
solo | at java.net.PlainSocketImpl.socketConnect(Native Method)
solo | at java.net.AbstractPlainSocketImpl.doConnect(AbstractPlainSocketImpl.java:350)
solo | at java.net.AbstractPlainSocketImpl.connectToAddress(AbstractPlainSocketImpl.ja
a:206)
solo | at java.net.AbstractPlainSocketImpl.connect(AbstractPlainSocketImpl.java:188)
solo | at java.net.SocksSocketImpl.connect(SocksSocketImpl.java:392)
solo | at java.net.Socket.connect(Socket.java:589)
solo | at com.mysql.cj.protocol.StandardSocketFactory.connect(StandardSocketFactory.j
va:155)
solo | at com.mysql.cj.protocol.a.NativeSocketConnection.connect(NativeSocketConnect
on.java:65)
solo | ... 40 more
solo | [ERROR]-[2019-09-03 16:16:20]-[org.b3log.solo.service.InitService:186]: Check tables
ailed, please make sure database existed and database configuration [jdbc.*] in local.props is
orrect [msg=Communications link failure

```

```
solo |  
solo | The last packet sent successfully to the server was 0 milliseconds ago. The driver has  
ot received any packets from the server.]
```

1.3 解决方案（第一步）

经过一番的搜索发现、最新的 docker 镜像的环境变量发生了改变：即 `JDBC_DRIVER` 由原来的 `com.mysql.jdbc.Driver` 更改为了 `com.mysql.cj.jdbc.Driver`

原环境变量

```
JDBC_DRIVER=com.mysql.jdbc.Driver  
JDBC_URL=jdbc:mysql://127.0.0.1:3306/solo?useUnicode=yes&characterEncoding=UTF-8&us  
SSL=false&serverTimezone=UTC
```

新环境变量

```
JDBC_DRIVER=com.mysql.cj.jdbc.Driver  
JDBC_URL=jdbc:mysql://127.0.0.1:3306/solo?useUnicode=yes&characterEncoding=UTF-8&us  
SSL=false&serverTimezone=UTC
```

1.4 解决方案（第二步）

在更改了环境变量之后、再次启动相应的docker 镜像发现依旧报错、但是错误信息已经发生了变化这是一个好消息！

新的报错信息为 `Connection Java-MySql : Public Key Retrieval is not allowed`

解决方法为：更改 `JDBC_URL` 为下面的示例、即添加 `allowPublicKeyRetrieval=true` 这一信息、再启动镜像即可：

```
JDBC_URL=jdbc:mysql://127.0.0.1:3306/solo?useUnicode=yes&characterEncoding=UTF-8&all  
wPublicKeyRetrieval=true&useSSL=false&serverTimezone=UTC
```