

## 6-5 | 如何实现容器内加入 arthas 插件

### 如何在 Docker 应用中引入 arthas 进行使用

DockerFile 修改：

```
SQL
FROM openjdk:17-jdk-alpine
VOLUME /tmp
COPY /arthas-bin.zip /opts/arthas-bin.zip
ADD qiyu-live-user-provider-docker.jar app.jar
ENV JAVA_OPTS="\
-server \
-Xmx1g \
-Xms1g \
-Xmn256m"
ENTRYPOINT java ${JAVA_OPTS}
-Djava.security.egd=file:/dev/./urandom
--add-opens=java.base/java.lang=ALL-UNNAMED --add-
opens=java.base/java.io=ALL-UNNAMED
--add-opens=java.base/java.util=ALL-UNNAMED --add-
opens=java.base/java.util.concurrent=ALL-UNNAMED --add-
opens=java.rmi/sun.rmi.transport=ALL-UNNAMED --add-
opens=java.base/java.lang.reflect=ALL-UNNAMED --add-
opens=java.base/java.util=ALL-UNNAMED
--add-opens=java.base/java.math=ALL-UNNAMED -jar app.jar
```

pom.xml 依赖也要做些调整：

```
XML

<build>
  <finalName>qiyu-live-user-provider-docker</finalName>
  <plugins>
    <plugin>
      <groupId>com.spotify</groupId>
      <artifactId>docker-maven-plugin</artifactId>
      <version>1.2.0</version>
      <executions>
        <!-- 当 mvn 执行 install 操作的时候，执行 docker 的 build -->
      </executions>
    </plugin>
  </plugins>
</build>
```

```

        <execution>
            <id>build</id>
            <phase>install</phase>
            <goals>
                <goal>build</goal>
            </goals>
        </execution>
    </executions>
    <configuration>
        <imageTags>
            <imageTag>${project.version}</imageTag>
        </imageTags>
        <imageName>${docker.registry.address}/${
{docker.registry.namespace}/${project.build.finalName}</imageName>
        <!-- 指定 Dockerfile 文件的位置 -->

<dockerDirectory>${project.basedir}/docker</dockerDirectory>
        <!-- 指定 jar 包路径，这里对应 Dockerfile 中复制 jar 包
到 docker 容器指定目录配置，也可以写到 Docokerfile 中 -->
        <resources>
            <resource>
                <targetPath></targetPath>
                <!-- 将下边目录的内容，拷贝到 docker 镜像中 --
>

<directory>${project.build.directory}</directory>

<include>${project.build.finalName}.jar</include>
            </resource>
            <resource>
                <targetPath></targetPath>

<directory>${arthus.zip.address}</directory>
                <include>arthas-bin.zip</include>
            </resource>
        </resources>
    </configuration>
</plugin>

<!-- 将 SpringBoot 应用打包成 jar -->
<plugin>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-maven-plugin</artifactId>
</plugin>

```

```
</plugins>  
</build>
```