

6-4 | 服务日志的规范化

补充

之前的 DockerFile 做了些修改，增加了在启动之初可以注入 JVM 参数的功能：

```
SQL
FROM openjdk:17-jdk-alpine
VOLUME /tmp
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
```

日志输出配置文件

logback.xml

```
SQL
<?xml version="1.0" encoding="UTF-8"?>
<configuration>

    <springProperty name="APP_NAME" scope="context"
source="spring.application.name" defaultValue="undefined"/>
    <define name="index"
class="org.qiyu.live.common.utils.IpLogConversionRule"/>
```

```

    <property name="LOG_HOME" value="/tmp/logs/${APP_NAME}/${
{index}"/>
    <property name="LOG_PATTERN" value="[%d{yyyy-MM-dd
HH:mm:ss.SSS} -%5p] %-40.40logger{39} :%msg%n"/>

    <appender name="CONSOLE"
class="ch.qos.logback.core.ConsoleAppender">
        <layout class="ch.qos.logback.classic.PatternLayout">
            <pattern>${LOG_PATTERN}</pattern>
        </layout>
    </appender>

    <appender name="INFO_FILE"
class="ch.qos.logback.core.rolling.RollingFileAppender">
        <file>${LOG_HOME}/${APP_NAME}.log</file>
        <rollingPolicy
class="ch.qos.logback.core.rolling.TimeBasedRollingPolicy">
            <fileNamePattern>${LOG_HOME}/${APP_NAME}.log.%d{yyyy-
MM-dd}</fileNamePattern>
            <maxHistory>7</maxHistory>
        </rollingPolicy>
        <layout class="ch.qos.logback.classic.PatternLayout">
            <pattern>${LOG_PATTERN}</pattern>
        </layout>
    </appender>

    <appender name="ERROR_FILE"
class="ch.qos.logback.core.rolling.RollingFileAppender">
        <file>${LOG_HOME}/${APP_NAME}_error.log</file>
        <rollingPolicy
class="ch.qos.logback.core.rolling.TimeBasedRollingPolicy">
            <fileNamePattern>${LOG_HOME}/${APP_NAME}_error.log.
%d{yyyy-MM-dd}</fileNamePattern>
            <maxHistory>7</maxHistory>
        </rollingPolicy>
        <layout class="ch.qos.logback.classic.PatternLayout">
            <pattern>${LOG_PATTERN}</pattern>
        </layout>
        <filter class="ch.qos.logback.classic.filter.LevelFilter">
            <level>error</level>
            <onMismatch>DENY</onMismatch>
        </filter>
    </appender>

```

```
<!-- 根输出级别为 INFO , 控制台中将出现包含 info 及以上级别的日志-->
<!-- 日志输出级别 -->
<root level="INFO">
    <!-- ref 值与上面的 appender 标签的 name 相对应 -->
    <appender-ref ref="CONSOLE" />
    <appender-ref ref="INFO_FILE" />
    <appender-ref ref="ERROR_FILE" />
</root>
</configuration>
```

启动命令：

```
SQL
docker run -d
-v /tmp/logs/qiyu-live-user-provider:/tmp/logs/qiyu-live-user-
provider
-p 9090:9090
--name qiyu-live-user-provider
--add-host 'qiyu.nacos.com:175.178.130.183'
--add-host 'cloud.db:175.178.130.183'
--add-host 'qiyu.rmq.com:175.178.130.183'
-e TZ=Asia/Shanghai
registry.baidubce.com/qiyu-live-test/qiyu-live-user-provider-
docker:1.0.4
```

注意 上方的--add-host 是往 docker 容器内初始化 host 用的，然后-e 的 TZ=Asia/Shanghai 是设置时区，这里我是设置为了上海的时区。