

maven profile介绍

maven profile的作用

针对不同的环境完成构建过程的调整，比如开发环境和生产环境使用不同的数据库配置

profile包含那些内容

pom.xml

```
<project>
<modelVersion>4.0.0</modelVersion>
<groupId>cc.mzone</groupId>
<artifactId>myjar</artifactId>
<version>0.1</version>
<packaging>jar</packaging>
<build>
  <resources>
    <resource>
      <directory>src/main/resources</directory>
      <includes>
        <include>*. *</include>
      </includes>
      <filtering>true</filtering>
    </resource>
  </resources>
</build>

<properties>
  <jdbc.url>jdbc:mysql://localhost:3306/abc</jdbc.url>
  <jdbc.username>root</jdbc.username>
  <jdbc.password>root</jdbc.password>
</properties>

<profiles>
  <profile>
    <id>product</id>
    <properties>
      <jdbc.url>jdbc:mysql://localhost:3306/abc123</jdbc.url>
      <jdbc.username>rootuser</jdbc.username>
      <jdbc.password>rootpwd</jdbc.password>
    </properties>
  </profile>
</profiles>
</project>
```

src/main/resources/jdbc.properties

```
jdbc.driver=com.mysql.jdbc.Driver
jdbc.url=${jdbc.url}
jdbc.username=${jdbc.username}
jdbc.password=${jdbc.password}
```

重点说明

- /porject/profiles/profile标签
- id标签
- properties标签，可以填充project或者是setting下的配置
- build resource filter

激活profile

运行环境条件适配

```
<profile>
  <id>dev</id>
  <activation>
    <activeByDefault>false</activeByDefault>
    <jdk>1.5</jdk>
    <os>
      <name>Windows XP</name>
      <family>Windows</family>
      <arch>x86</arch>
      <version>5.1.2600</version>
    </os>
  </activation>
  ...
</profile>
```

构建时手动指定

```
mvn clean package -P product
mvn clean install -P-product
```

查看构建时激活的profile

执行命令

```
mvn help:active-profiles
```

执行结果

The following profiles are active:
- appserverConfig (source: settings.xml)

maven settings的profile

```
<profiles>
  <profile>
    <id>wzzx_nexus</id>
    <repositories>
      <repository>
        <id>yeepay</id>
        <url>http://maven.lab.yeepay.com/nexus/content/groups/public/</url>
      </repository>
    </repositories>
    <pluginRepositories>
      <pluginRepository>
        <id>tcl_mirror</id>
        <url>http://maven.lab.yeepay.com/nexus/content/groups/public/</url>
      </pluginRepository>
    </pluginRepositories>
    <releases>
      <enabled>true</enabled>
    </releases>
    <snapshots>
      <enabled>true</enabled>
    </snapshots>
  </profile>
</profiles>
<activeProfiles>
  <activeProfile>wzzx_nexus</activeProfile>
</activeProfiles>
```

问题：maven.lab.yeepay.com包含了损坏的文件，但公网上有好的文件

解决办法：mvn -P-wzzx_nexus ...

在个信项目的使用情况

```
<profile>
  <id>demo</id>
  <properties>
    <!-- toc-web -->
    <db.host>172.21.0.76</db.host>
    <db.username>admin</db.username>
```

```

        <db.password>admin</db.password>

        <jmsFactory.brokerUrl.host>tcp://10.151.30.29:61616</jmsFactory.bro
kerUrl.host>
        <yeepay.credit.queue>toc_yeepay_credit_queue</yeepay.credit.queue>

        <redis.ip>10.151.30.30</redis.ip>
        <!-- spider-master -->
        ...
    </properties>
</profile>
<profile>
    <id>dev-n</id>
    <properties>
        <!-- toc-web -->
        <db.host>172.21.0.76</db.host>
        <db.username>admin</db.username>
        <db.password>admin</db.password>

        <jmsFactory.brokerUrl.host>tcp://10.151.30.29:61616</jmsFactory.bro
kerUrl.host>
        <yeepay.credit.queue>toc_yeepay_credit_queue</yeepay.credit.queue>

        <redis.ip>10.151.30.30</redis.ip>
        <!-- spider-master -->
        ...
    </properties>
</profile>

```

参考资料

[Maven中的profile](#)

[Maven Pom Refence](#)



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