笔记本：	容器化部署		
创建时间：	2020/6/9 16:17	**更新时间：**	2020/6/9 17:50
作者：	1849553578@qq.com		

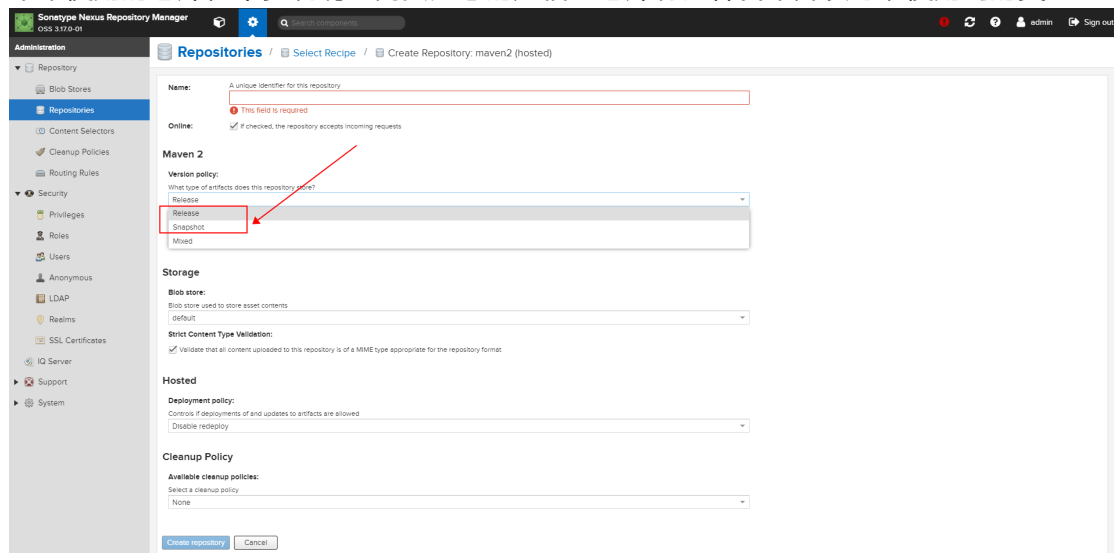# 使用Maven上传本地jar包到Maven仓库[命令行方式]

Maven仓库类型

- 为了在**创建Maven仓库时**知道如何选择仓库的类型

仓库类型1：maven2（group）聚合仓库

将多个宿主仓库聚合到同一个group中，使用中统一指定聚合仓库的仓库地址可以获取到同一group下的所有包，免去多仓库多地址的配置繁琐。聚合仓库的聚合成员可以在仓库设置中添加和移除。

仓库类型2：maven2（hosted）宿主仓库

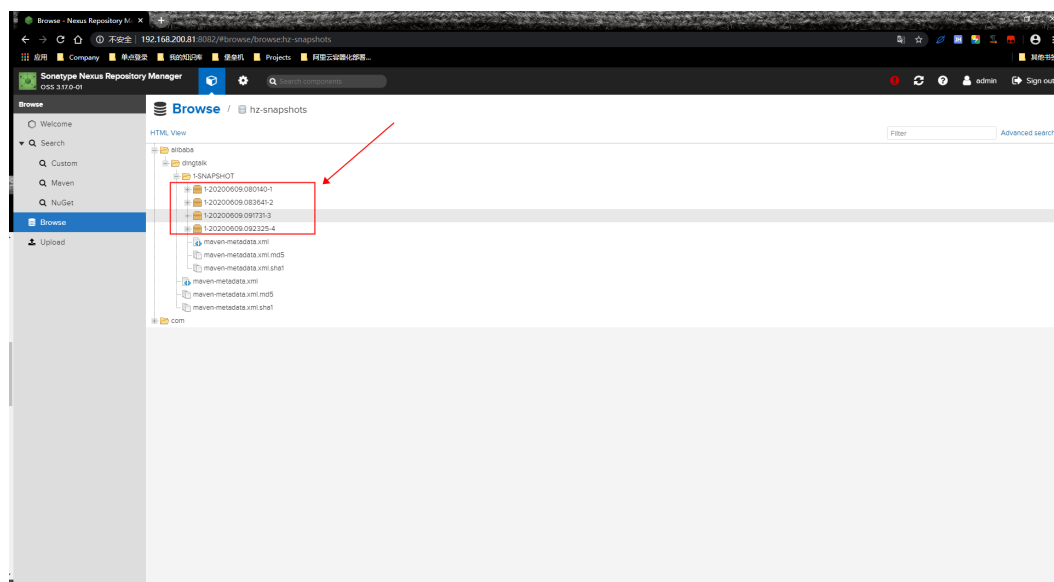平常使用的仓库，不多说明。需要注意的是宿主仓库有两种日常开发可以使用到的类型。

类型1：release

　　release 仓库不能重复上传同一版本号，版本不能覆盖，只能迭代，所以开发的稳定版本可以统一放置在release仓库中。

类型2：snapshot

　　snapshot 仓库允许版本覆盖，当多次上传同一个版本到 snapshot 仓库，会自动在版本号上添加时间戳来区分。建议在开发测试时使用。

仓库类型3：maven2(proxy) 远程代理仓库

这种类型的仓库，可以设置一个远程仓库的链接。当用户向 proxy 类型仓库请求下载一个依赖构件时，就会先在自己的库里查找，如果找不到的话，就会从设置的远程仓库下载到自己的库里，然后返回给用户，相当于起到一个中转的作用

Jar包发布

命令

命令: mvn deploy:deploy-file -DgroupId=alibaba -DartifactId=dingtalk -Dversion=1-SNAPSHOT -Dfile=E:\浏览器下载\dingtalk-sdk-java\taobao-sdk-java-auto_1479188381469-20200507.jar -DrepositoryId=maven-hz -Durl=http://192.168.200.81:8082/repository/hz-snapshots/ --settings settings.xml -X
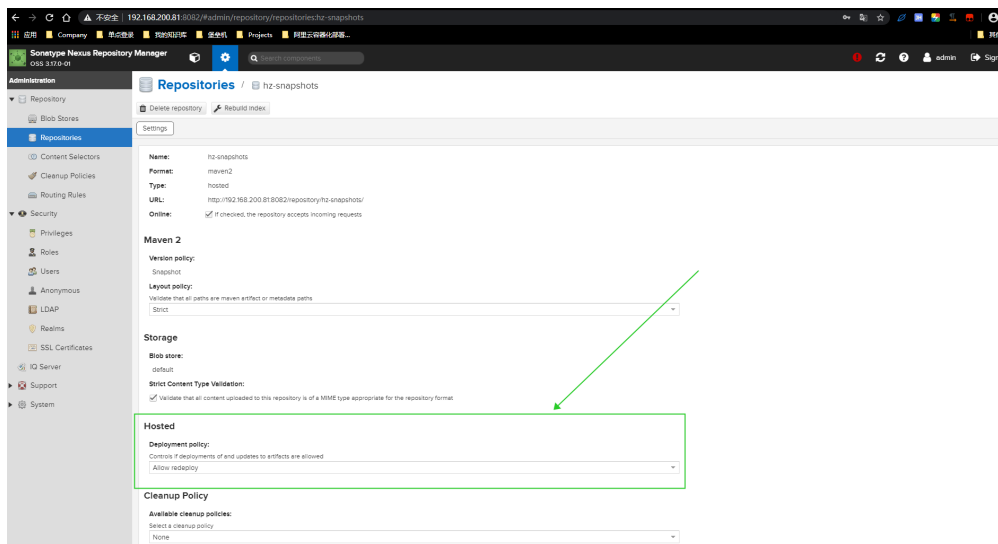
参数解析

1. -DgroupId: jar包的坐标
2. -DartifactId: jar包的坐标
3. -Dversion: jar包版本
4. -Dfile: 需要上传的jar包的绝对路径
5. -DrepositoryId: 仓库ID，对应settings.xml中的server的id，用于获取maven仓库的登录用户名和密码
6. -Durl: 需要发布的仓库地址。
7. --settings: 指定maven的settings文件。这里没有指定路径，是因为settings.xml的路径与执行该条命令的路径是同一个路径。
8. -X: 以debug的方式运行，会打印出详细的日志信息

注意事项

1. **参数之间的空格需要注意(目前参数之间使用一个空格进行分隔)，否则可能会报错**

2. maven仓库允许发布jar包

3. 不要在git bash下执行该命令（在windows下的PowerShell中发布成功过，以及在Linux下的命令行(bash)中发布成功过），会报文件找不到的错误。

4. 成功案例

```
[DEBUG]    (f) updateReleaseInfo = false
[DEBUG]    (f) url = http://192.168.200.81:8082/repository/hz-snapshots/
[DEBUG]    (f) version = 1-SNAPSHOT
[DEBUG] -- end configuration --
[DEBUG] Using transporter WagonTransporter with priority -1.0 for http://192.168.200.81:8082/repository/hz-snapshots/
[DEBUG] Using connector BasicRepositoryConnector with priority 0.0 for http://192.168.200.81:8082/repository/hz-snapshots/ with username=admin, p
assword=***
Downloading from maven-hz: http://192.168.200.81:8082/repository/hz-snapshots/alibaba/dingtalk/1-SNAPSHOT/maven-metadata.xml
Downloaded from maven-hz: http://192.168.200.81:8082/repository/hz-snapshots/alibaba/dingtalk/1-SNAPSHOT/maven-metadata.xml (753 B at 12 kB/s)
[DEBUG] Writing tracking file /home/wang/dingtalk-sdk-java/E:\SoftWareInstalled\Dev_Tools\Maven\mvn_resposity_project_base/alibaba/dingtalk/1-SNA
PSHOT/resolver-status.properties
Uploading to maven-hz: http://192.168.200.81:8082/repository/hz-snapshots/alibaba/dingtalk/1-SNAPSHOT/dingtalk-1-20200609.092325-4.jar
Uploaded to maven-hz: http://192.168.200.81:8082/repository/hz-snapshots/alibaba/dingtalk/1-SNAPSHOT/dingtalk-1-20200609.092325-4.jar (4.1 MB at
9.4 MB/s)
Uploading to maven-hz: http://192.168.200.81:8082/repository/hz-snapshots/alibaba/dingtalk/1-SNAPSHOT/dingtalk-1-20200609.092325-4.pom
Uploaded to maven-hz: http://192.168.200.81:8082/repository/hz-snapshots/alibaba/dingtalk/1-SNAPSHOT/dingtalk-1-20200609.092325-4.pom (393 B at 1
6 kB/s)
Downloading from maven-hz: http://192.168.200.81:8082/repository/hz-snapshots/alibaba/dingtalk/maven-metadata.xml
Downloaded from maven-hz: http://192.168.200.81:8082/repository/hz-snapshots/alibaba/dingtalk/maven-metadata.xml (271 B at 23 kB/s)
[DEBUG] Writing tracking file /home/wang/dingtalk-sdk-java/E:\SoftWareInstalled\Dev_Tools\Maven\mvn_resposity_project_base/alibaba/dingtalk/resol
ver-status.properties
Uploading to maven-hz: http://192.168.200.81:8082/repository/hz-snapshots/alibaba/dingtalk/1-SNAPSHOT/maven-metadata.xml
Uploaded to maven-hz: http://192.168.200.81:8082/repository/hz-snapshots/alibaba/dingtalk/1-SNAPSHOT/maven-metadata.xml (753 B at 24 kB/s)
Uploading to maven-hz: http://192.168.200.81:8082/repository/hz-snapshots/alibaba/dingtalk/maven-metadata.xml
Uploaded to maven-hz: http://192.168.200.81:8082/repository/hz-snapshots/alibaba/dingtalk/maven-metadata.xml (271 B at 6.0 kB/s)
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
[INFO] Total time:  01:06 min
[INFO] Finished at: 2020-06-09T17:23:26+08:00
[INFO] ------------------------------------------------------------------------
[root@localhost dingtalk-sdk-java]#
```

```
[DEBUG]    Imported: < maven.api
[DEBUG] Populating class realm plugin>org.apache.maven.plugins:maven-deploy-plugin:2.7
[DEBUG]    Included: org.apache.maven.plugins:maven-deploy-plugin:jar:2.7
[DEBUG]    Included: junit:junit:jar:3.8.1
[DEBUG]    Included: org.codehaus.plexus:plexus-utils:jar:1.5.6
[DEBUG] Configuring mojo org.apache.maven.plugins:maven-deploy-plugin:2.7:deploy-file from plugin realm ClassRealm[plugin>org.apache.maven.plugins:maven-deploy-plugin:2.7, parent: sun.misc.L
auncher$AppClassLoader@4e25154f]
[DEBUG] Configuring mojo 'org.apache.maven.plugins:maven-deploy-plugin:2.7:deploy-file' with basic configurator -->
[DEBUG]    (f) artifactId = dingtalk
[DEBUG]    (f) file = E:\浏览器下载\dingtalk-sdk-java\taobao-sdk-java-auto_1479188381469-20200607.jar
[DEBUG]    (f) generatePom = true
[DEBUG]    (f) groupId = alibaba
[DEBUG]    (s) localRepository =       id: local
         url: file:///E:/SoftWareInstalled/Dev_Tools/Maven/mvn_resposity_project_base/
      layout: default
snapshots: [enabled => true, update => always]
releases: [enabled => true, update => always]
[DEBUG]    (f) offline = false
[DEBUG]    (f) project = MavenProject: com.alibaba:dingTalk:1.0-SNAPSHOT @ E:\dingtalk-sdk-java\pom.xml
[DEBUG]    (f) repositoryId = maven-hz
[DEBUG]    (f) repositoryLayout = default
[DEBUG]    (f) retryFailedDeploymentCount = 1
[DEBUG]    (f) uniqueVersion = true
[DEBUG]    (f) updateReleaseInfo = false
[DEBUG]    (f) url = http://192.168.200.81:8082/repository/hz-snapshots/
[DEBUG]    (f) version = 1-SNAPSHOT
[DEBUG] -- end configuration --
[DEBUG] Using transporter WagonTransporter with priority -1.0 for http://192.168.200.81:8082/repository/hz-snapshots/
[DEBUG] Using connector BasicRepositoryConnector with priority 0.0 for http://192.168.200.81:8082/repository/hz-snapshots/ with username=admin, password=***
Downloading from maven-hz: http://192.168.200.81:8082/repository/hz-snapshots/alibaba/dingtalk/1-SNAPSHOT/maven-metadata.xml
Downloaded from maven-hz: http://192.168.200.81:8082/repository/hz-snapshots/alibaba/dingtalk/1-SNAPSHOT/maven-metadata.xml (753 B at 2.3 kB/s)
[DEBUG] Writing tracking file E:\SoftWareInstalled\Dev_Tools\Maven\mvn_resposity_project_base\alibaba\dingtalk\1-SNAPSHOT\resolver-status.properties
Uploading to maven-hz: http://192.168.200.81:8082/repository/hz-snapshots/alibaba/dingtalk/1-SNAPSHOT/dingtalk-1-20200609.091731-3.jar
Uploaded to maven-hz: http://192.168.200.81:8082/repository/hz-snapshots/alibaba/dingtalk/1-SNAPSHOT/dingtalk-1-20200609.091731-3.jar (4.1 MB at 956 kB/s)
Uploading to maven-hz: http://192.168.200.81:8082/repository/hz-snapshots/alibaba/dingtalk/1-SNAPSHOT/dingtalk-1-20200609.091731-3.pom
Uploaded to maven-hz: http://192.168.200.81:8082/repository/hz-snapshots/alibaba/dingtalk/1-SNAPSHOT/dingtalk-1-20200609.091731-3.pom (393 B at 5.8 kB/s)
Downloading from maven-hz: http://192.168.200.81:8082/repository/hz-snapshots/alibaba/dingtalk/maven-metadata.xml
Downloaded from maven-hz: http://192.168.200.81:8082/repository/hz-snapshots/alibaba/dingtalk/maven-metadata.xml (271 B at 6.9 kB/s)
[DEBUG] Writing tracking file E:\SoftWareInstalled\Dev_Tools\Maven\mvn_resposity_project_base\alibaba\dingtalk\resolver-status.properties
Uploading to maven-hz: http://192.168.200.81:8082/repository/hz-snapshots/alibaba/dingtalk/1-SNAPSHOT/maven-metadata.xml
Uploaded to maven-hz: http://192.168.200.81:8082/repository/hz-snapshots/alibaba/dingtalk/1-SNAPSHOT/maven-metadata.xml (753 B at 12 kB/s)
Uploading to maven-hz: http://192.168.200.81:8082/repository/hz-snapshots/alibaba/dingtalk/maven-metadata.xml
Uploaded to maven-hz: http://192.168.200.81:8082/repository/hz-snapshots/alibaba/dingtalk/maven-metadata.xml (271 B at 3.7 kB/s)
------------------------------------------------------------------------
BUILD SUCCESS
------------------------------------------------------------------------
Total time: 7.659 s
Finished at: 2020-06-09T17:17:36+08:00
------------------------------------------------------------------------
PS E:\dingtalk-sdk-java>
```