

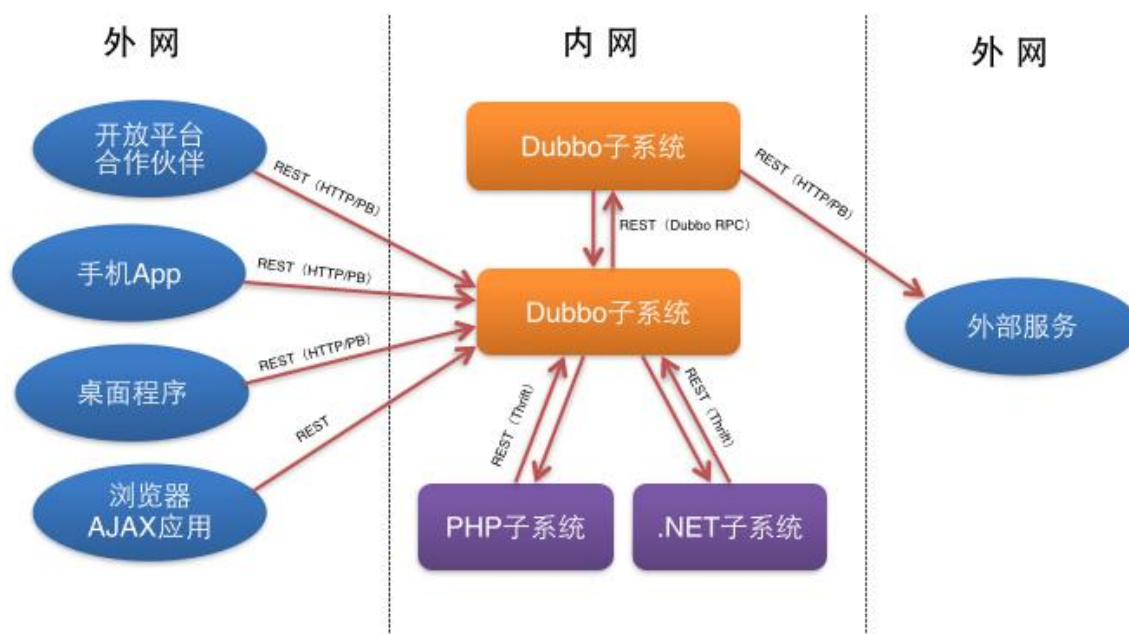
DubboX 介绍和编译与安装

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概要

文档涉及技术：git maven nexus iptables zookeeper eclipse

Dubbo RESTful Remoting应用蓝图



注：图中所有红线都代表Dubbo RESTful Remoting比较适用、并已经支持的场景。另外，就最理想化的技术选型而言，在某些应用中，图中一些REST也可以根据情况来考虑分别用Dubbo RPC、Thrift、HTTP/ProtocolBuffer (PB)等技术替换。为此我们在每个REST后的括号中予以了标注，以达到拓宽思路的目的。

DubboX 开源是一套在阿里巴巴 Dubbo 开源框架基础上扩展的框架。目前支持 Spring4, PHP 等。实现微服务架构的高效架构。目前使用的企业有京东、当当这类电商还有一些不知名电商、电信等企业。

Centos 6.5 环境

1. 安装 git

```
#yum install -y git
```

2. 安装 maven / Ant

```
#wget http://repos.fedorapeople.org/repos/dchen/apache-maven/epel-apache-maven.repo -O  
/etc/yum.repos.d/epel-apache-maven.repo
```

```
#yum -y install apache-maven
```

```
#yum -y install ant
```

3. 编译源码

```
#git clone https://github.com/dangdangdotcom/dubbox.git
```

```
#cd dubbox/
```

```
#mvn clean install -Dmaven.test.skip=true
```

4. 安装私服 nexus

```
#Wget https://sonatype-download.global.ssl.fastly.net/nexus/oss/nexus-2.13.0-01-bundle.zip
```

```
#Unzip nexus-2.13.0-01-bundle.zip -d /home/app/
```

5. 修改配置启动用户

```
Sudo vi /home/app/nexus-2.13.0-01-bundle/bin/nexus
```

```
RUN_AS_USER=tyhy #建议不用 root
```

6. 启动 nexus

```
/home/app/nexus-2.13.0-01-bundle/bin/nexus start
```

7.修改默认端口

```
netstat -ntlp
```

```
cat nexus.properties
```

8.开防火墙端口 8081

```
#iptables -I INPUT -p tcp -m state --state NEW -m tcp --dport 8081 -j ACCEPT
```

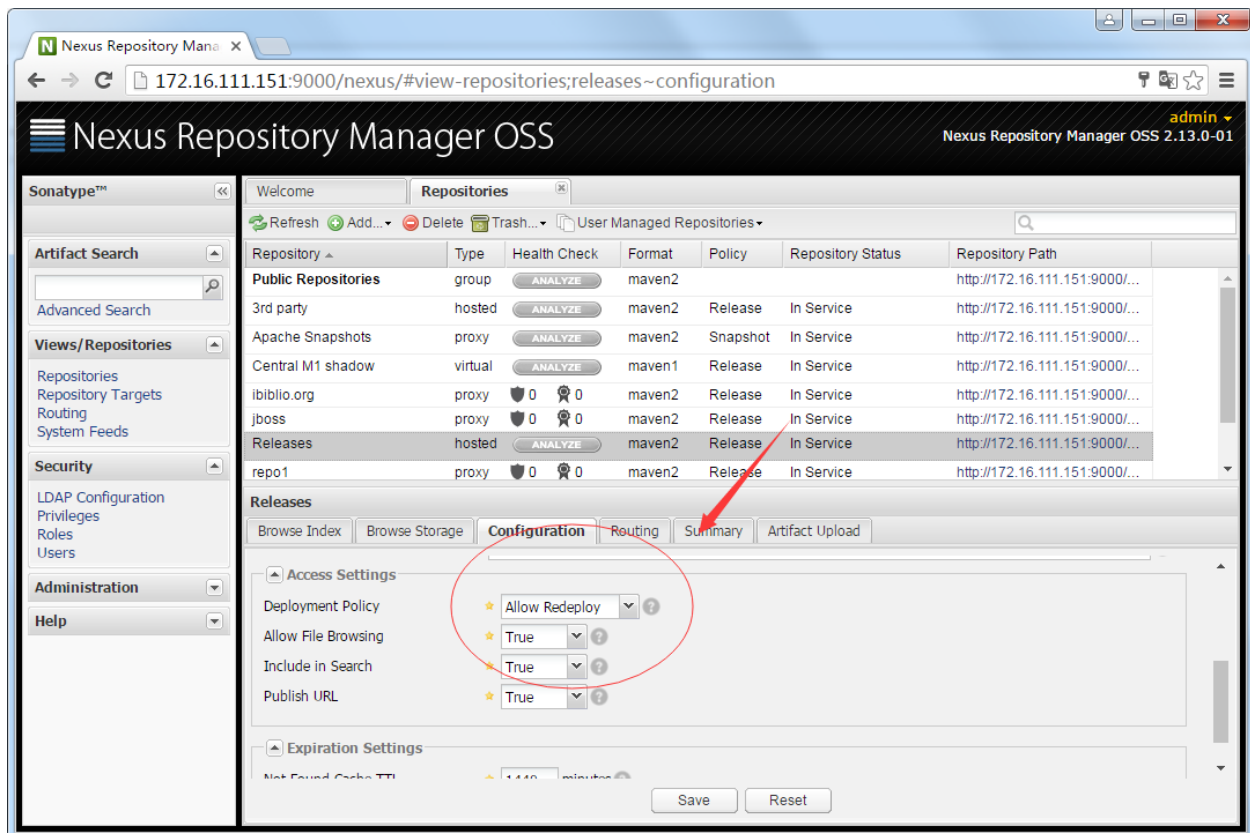
```
#service iptables save
```

```
#service iptables restart
```

9.私服管理

登录: <http://ip:8081/nexus/>

admin/admin123



The screenshot shows the Nexus Repository Manager OSS web interface. The browser address bar displays `172.16.111.151:9000/nexus/#view-repositories;releases~configuration`. The page title is "Nexus Repository Manager OSS" and the version is "2.13.0-01". The user is logged in as "admin".

The main content area is titled "Releases" and has tabs for "Browse Index", "Browse Storage", "Configuration", "Routing", "Summary", and "Artifact Upload". The "Configuration" tab is selected and circled in red. A red arrow points to the "Configuration" tab.

Under the "Configuration" tab, there are two sections: "Access Settings" and "Expiration Settings". The "Access Settings" section includes:

- Deployment Policy: Allow Redeploy (set to True)
- Allow File Browsing: True
- Include in Search: True
- Publish URL: True

The "Expiration Settings" section includes:

- Not Found Cache TTL: 1440 minutes

At the bottom of the configuration page, there are "Save" and "Reset" buttons.

关键位置调整

10. ~/.m2/settings.xml 增加私服管理用户与密码

添加 setting.xml 文件

win 系统文件在 C:\Users\xx\.m2\

Linux 在 ~/.m2/settings.xml 具体可以用 find 查找

```
#find / -name .m2
```

```
<servers>
  <server>
    <id>releases</id>
    <username>admin</username>
    <password>admin123</password>
  </server>
  <server>
    <id>snapshots</id>
    <username>admin</username>
    <password>admin123</password>
  </server>
  <server>
    <id>thirdparty</id>
    <username>admin</username>
    <password>admin123</password>
  </server>
</servers>
```

11. 项目 pom.xml 文件

```
<distributionManagement>
  <repository>
    <id>releases</id>
    <name>Nexus Release Repository</name>
    <url>http://172.16.111.151:9000/nexus/content/repositories/releases/</url>
  </repository>
</distributionManagement>
```

关键点 id 必须对应

12. DubboX 推上私服

```
#mvn clean install -Dmaven.test.skip
```

```
#mvn deploy -Dmaven.test.skip=true
```

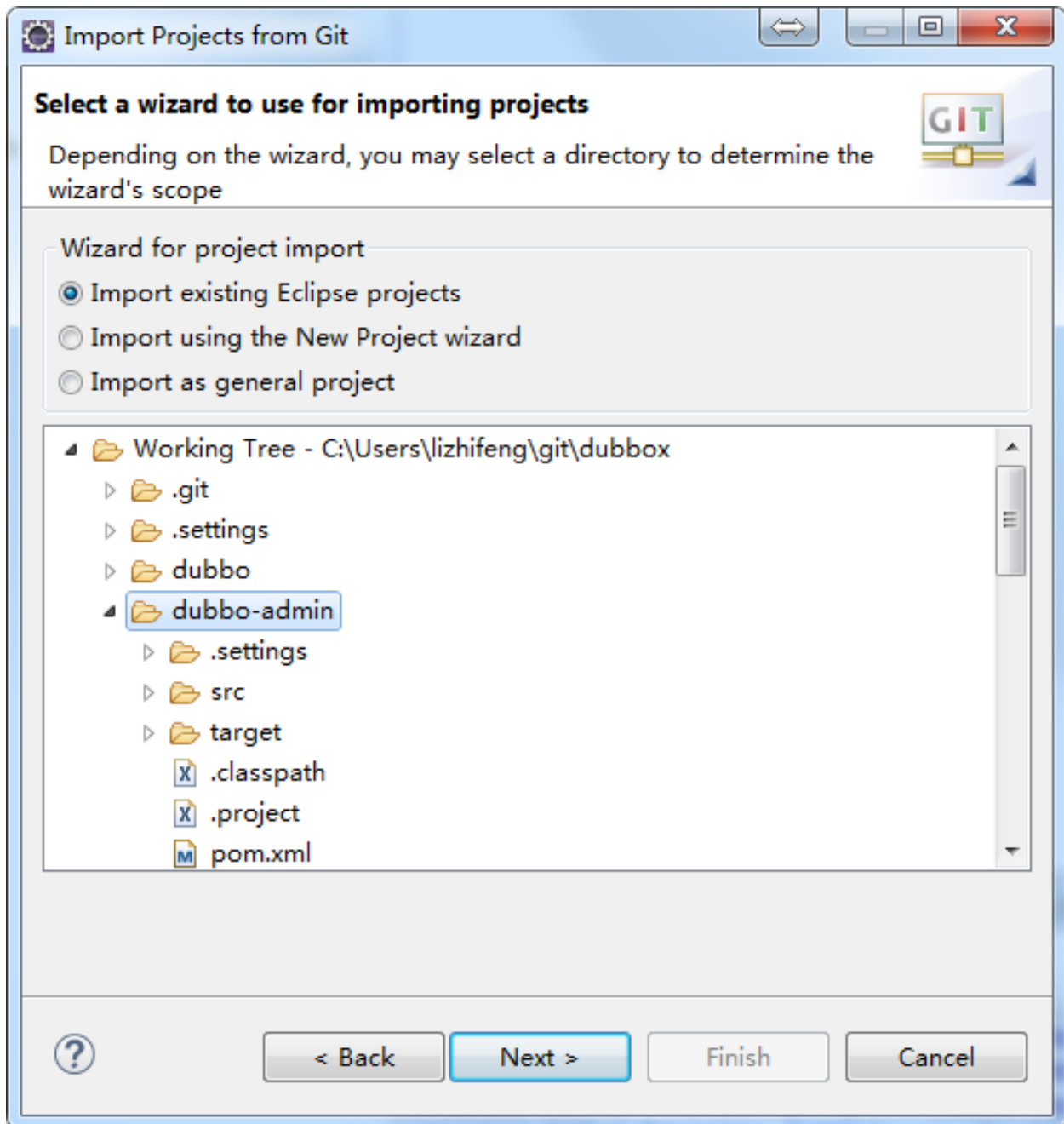
或

```
#mvn deploy
```

13.开 eclipse 引入 DubboX 的 dubbo-admin

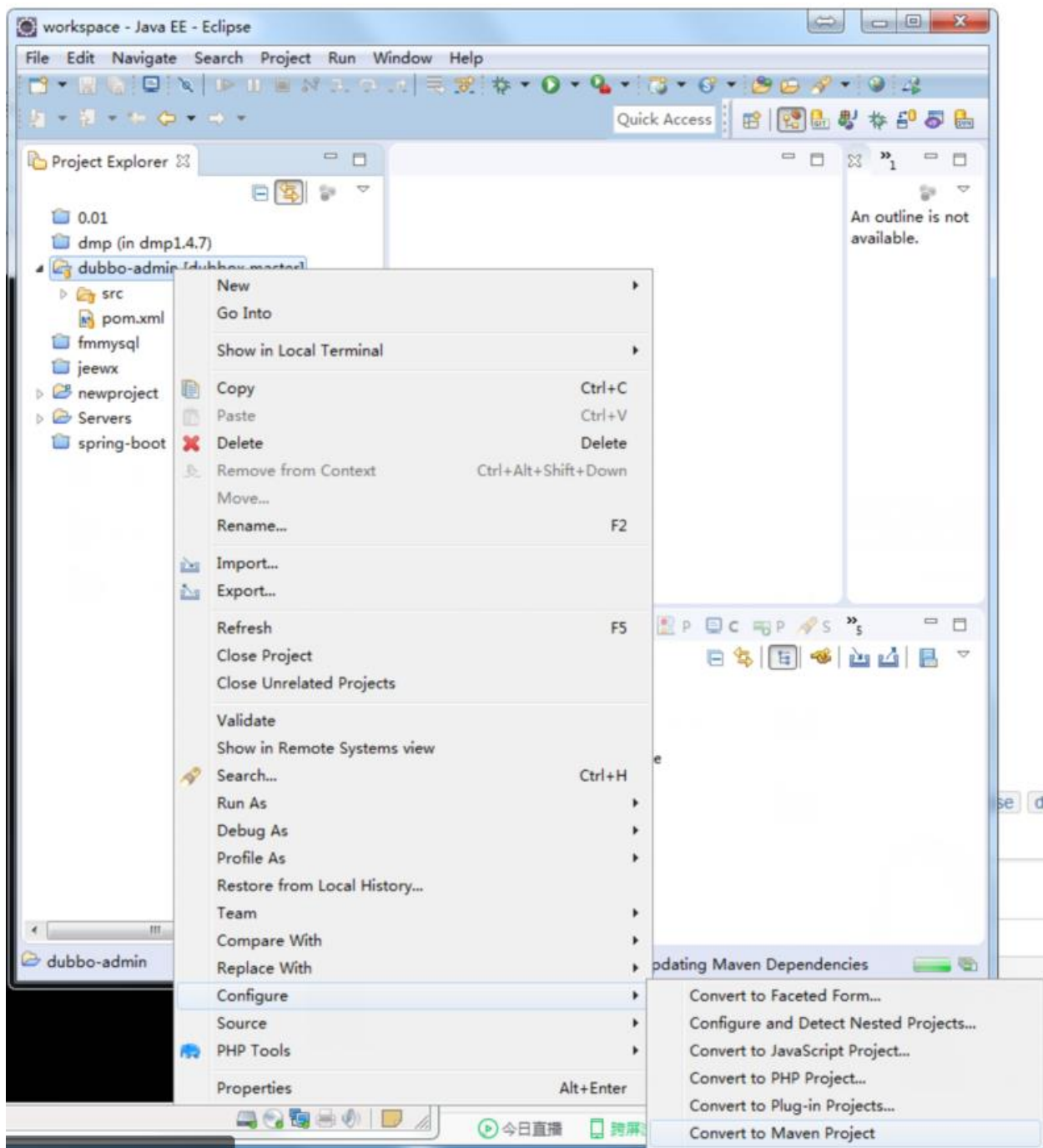
在 git 界面引入 <https://github.com/dangdangdotcom/dubbox.git> 地址

File - Import... - Projects from Git - Existing local repository - dubbox - dubbo-admin 项目



14. 转换为 maven 项目

点选项目 dubbo-admin 鼠标右键 Configure - Convert to Maven Project



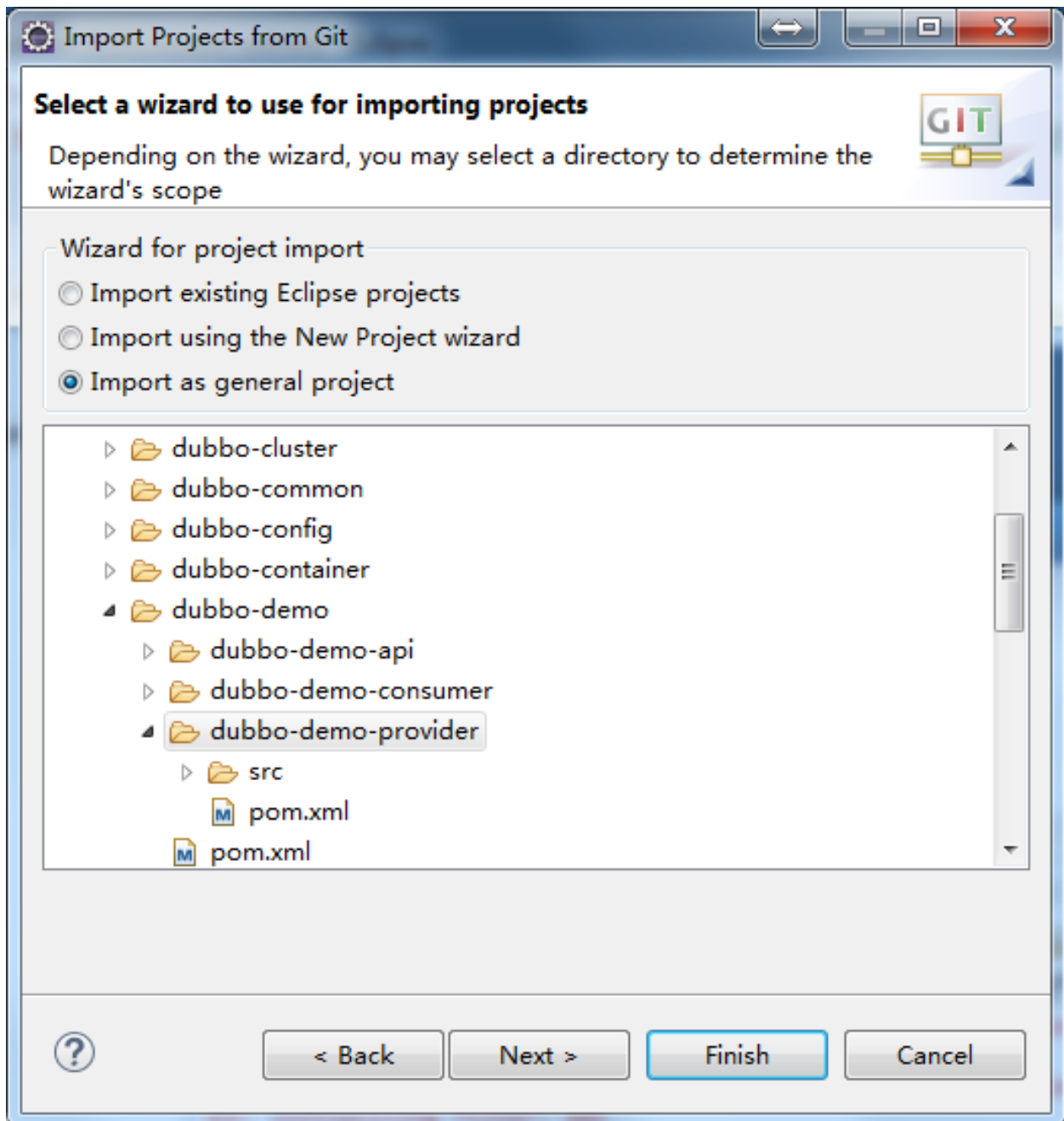
15.安装 zookeeper 运行

```
#wget http://apache.fayea.com/zookeeper/zookeeper-3.3.6/zookeeper-3.3.6.tar.gz
```

```
#cp zookeeper-3.3.6/conf/zoo_sample.cfg zoo.cfg
```

#!/zkServer.sh

16.项目 dubbo-demo-provider 引入 eclipse



编译运行

