第1章 安装Nexus私服

以下操作在Nexus服务器进行：

1.安装JDK和Nexus

Nexus下载地址：

```
1  https://www.sonatype.com/download-oss-sonatype
```

安装命令：

```
1  yum install java -y
2  tar zxf nexus-3.23.0-03-unix.tar.gz -C /opt/
3  cd /opt/
4  ln -s nexus-3.23.0-03 nexus
```

2.创建普通用户并更改权限

```
1  useradd nexus -s /sbin/nologin
2  chown -R nexus:nexus /opt/
```

3.创建systemd启动服务

```
1   cat >/usr/lib/systemd/system/nexus.service<<EOF
2   [Unit]
3   Description=nexus
4
5   [Service]
6   ExecStart=/opt/nexus/bin/nexus start
7   ExecStop=/opt/nexus/bin/nexus stop
8   Type=forking
9   User=nexus
10  Group=nexus
11
12  [Install]
13  WantedBy=multi-user.target
14  EOF
```

4.修改jvm内存使用大小

默认2G内存，我们修改为1G

```
1  vim /opt/nexus/bin/nexus.vmoptions
2  -Xms1024m
3  -Xmx1024m
4  -XX:MaxDirectMemorySize=1024m
```

5.启动并检查

```
1  systemctl daemon-reload
2  systemctl start nexus
3  netstat -lntup|grep 8081
4  ps -ef|grep java
```
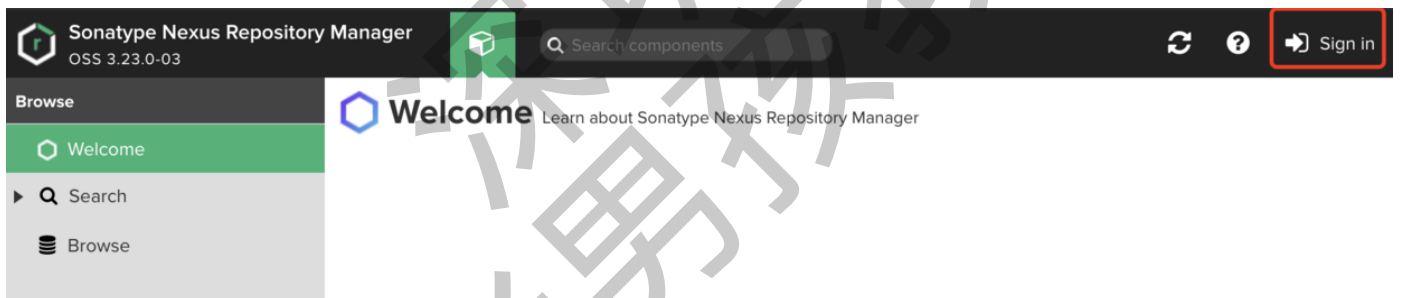
6.配置账户密码

打开浏览器并登陆

```
1  http://10.0.0.202:8081/
```

默认账号为admin,初始密码保存在文件里:

```
1  cat /opt/sonatype-work/nexus3/admin.password
```

Sign In

Your **admin** user password is located in
/opt/sonatype-work/nexus3/admin.password on
the server.

Username

Password

[Sign in] [Cancel]

7.初始化操作

登录后需要我们修改密码：

Please choose a password for the admin user

New password:

••••••

Confirm password:

••••••

[Back] [Next]

然后禁用匿名用户访问：

Configure Anonymous Access

Enable anonymous access means that by default, users can search, browse and download components from repositories without credentials. Please **consider the security implications for your organization.**

Disable anonymous access should be chosen with care, as it **will require credentials for all** users and/or build tools.

More information

○ Enable anonymous access

● Disable anonymous access

Back   Next

8.启动排错

报错1:提示找不到配置


```
2020-05-16 10:45:32,302+0800 ERROR [FelixStartLevel]  *SYSTEM org.sonatype.nexus.extender.NexusContextListener - Failed to start nexus
com.orientechnologies.orient.core.exception.OCommandExecutionException: Class 'REPOSITORY' was not found in database 'config'
    DB name="config"
    at com.orientechnologies.orient.core.sql.filter.OSQLTarget.extractTargets(OSQLTarget.java:273)
    at com.orientechnologies.orient.core.sql.filter.OSQLTarget.<init>(OSQLTarget.java:64)
    at com.orientechnologies.orient.core.sql.OSQLEngine.parseTarget(OSQLEngine.java:464)
    at com.orientechnologies.orient.core.sql.OCommandExecutorSQLSelect.parse(OCommandExecutorSQLSelect.java:278)
    at com.orientechnologies.orient.core.sql.OCommandExecutorSQLSelect.parse(OCommandExecutorSQLSelect.java:93)
    at com.orientechnologies.orient.core.sql.OCommandExecutorSQLDelegate.parse(OCommandExecutorSQLDelegate.java:53)
    at com.orientechnologies.orient.core.sql.OCommandExecutorSQLDelegate.parse(OCommandExecutorSQLDelegate.java:34)
    at com.orientechnologies.orient.core.storage.impl.local.OAbstractPaginatedStorage.command(OAbstractPaginatedStorage.java:3302)
    at com.orientechnologies.orient.core.sql.query.OSQLQuery.run(OSQLQuery.java:78)
    at com.orientechnologies.orient.core.sql.query.OSQLAsynchQuery.run(OSQLAsynchQuery.java:74)
    at com.orientechnologies.orient.core.sql.query.OSQLSynchQuery.run(OSQLSynchQuery.java:102)
    at com.orientechnologies.orient.core.query.OQueryAbstract.execute(OQueryAbstract.java:33)
```

解决方法：

删除 /opt/sonatype-work/nexus3目录即可，重新启动就会重新生成,这个目录是压缩包里自带的

```
1  rm -rf /opt/sonatype-work/nexus3/
```

报错2:提示无法锁定


```
[root@nexus ~]# tail -f /opt/sonatype-work/nexus3/log/nexus.log
2020-05-16 11:41:53,039+0800 WARN  [Timer-0]  *SYSTEM java.util.prefs - Could not lock User prefs.  Unix error code 2.
2020-05-16 11:41:53,040+0800 WARN  [Timer-0]  *SYSTEM java.util.prefs - Couldn't flush user prefs: java.util.prefs.BackingStoreException: Couldn't get file lock.
2020-05-16 11:42:23,042+0800 WARN  [Timer-0]  *SYSTEM java.util.prefs - Could not lock User prefs.  Unix error code 2.
2020-05-16 11:42:23,043+0800 WARN  [Timer-0]  *SYSTEM java.util.prefs - Couldn't flush user prefs: java.util.prefs.BackingStoreException: Couldn't get file lock.
2020-05-16 11:42:53,043+0800 WARN  [Timer-0]  *SYSTEM java.util.prefs - Could not lock User prefs.  Unix error code 2.
2020-05-16 11:42:53,043+0800 WARN  [Timer-0]  *SYSTEM java.util.prefs - Couldn't flush user prefs: java.util.prefs.BackingStoreException: Couldn't get file lock.
2020-05-16 11:43:23,042+0800 WARN  [Timer-0]  *SYSTEM java.util.prefs - Could not lock User prefs.  Unix error code 2.
2020-05-16 11:43:23,043+0800 WARN  [Timer-0]  *SYSTEM java.util.prefs - Couldn't flush user prefs: java.util.prefs.BackingStoreException: Couldn't get file lock.
2020-05-16 11:43:53,042+0800 WARN  [Timer-0]  *SYSTEM java.util.prefs - Could not lock User prefs.  Unix error code 2.
2020-05-16 11:43:53,043+0800 WARN  [Timer-0]  *SYSTEM java.util.prefs - Couldn't flush user prefs: java.util.prefs.BackingStoreException: Couldn't get file lock.
```

解决方法：

使用普通用户登录后会在启动用户的家目录下创建.java的隐藏文件，如果普通用户没有家目录就会报错

解决方法是创建启动用户的家目录，但是禁止登陆

```
1  mkdir /home/nexus
2  chown -R nexus:nexus /home/nexus
```

错误3: 提示超时

```
2020-05-16 14:12:32,001+0800 WARN  [qtp833855821-42]  admin com.sonatype.nexus.plugins.outreach.internal.outreach.SonatypeOutreach - Could not download page bundle
org.apache.http.conn.ConnectTimeoutException: Connect to sonatype-download.global.ssl.fastly.net:443 [sonatype-download.global.ssl.fastly.net/67.228.37.26] failed: c
onnect timed out
```
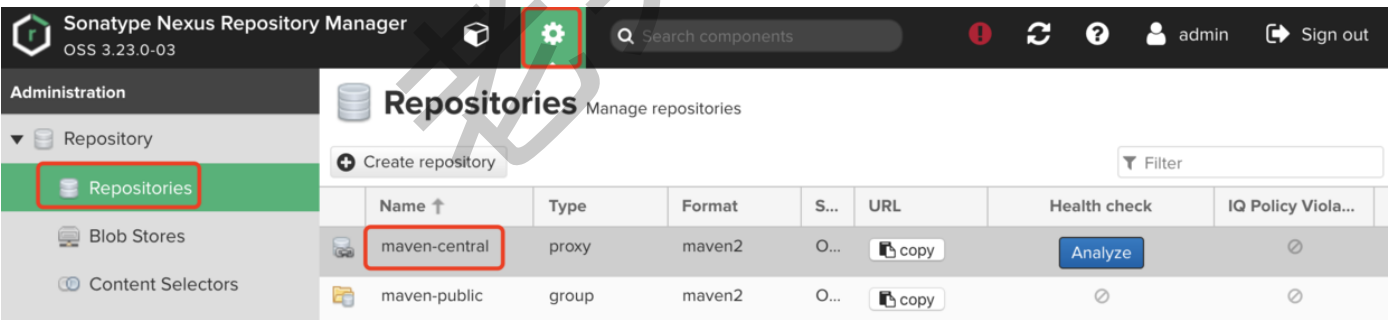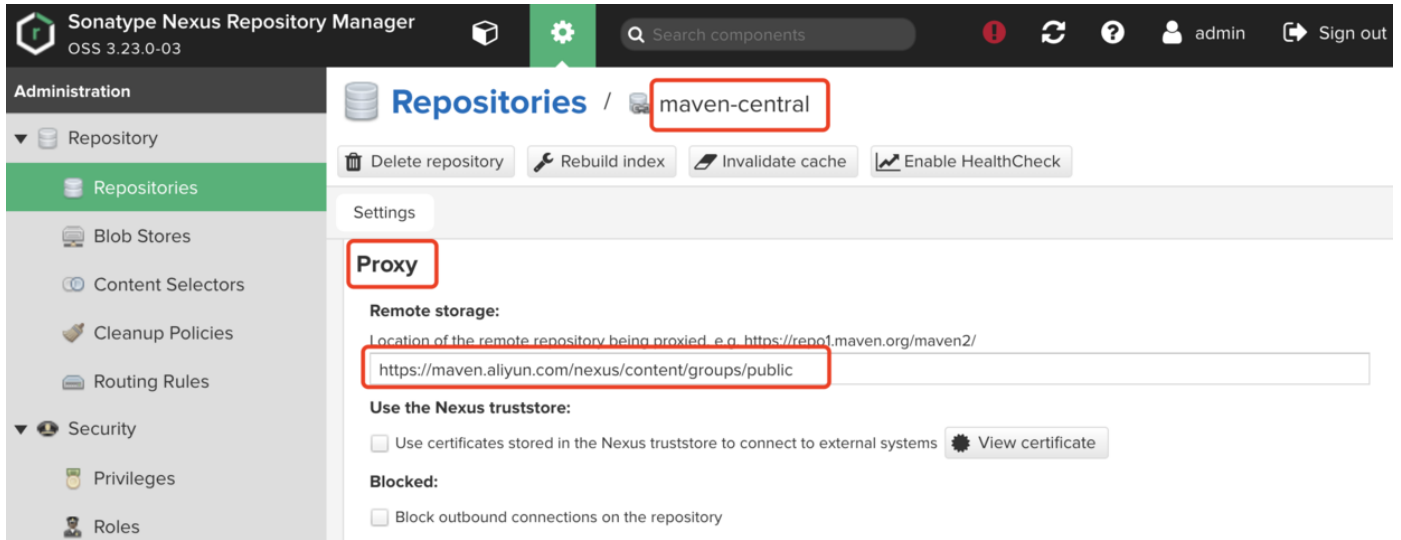
解决方法：

系统设置里disable服务
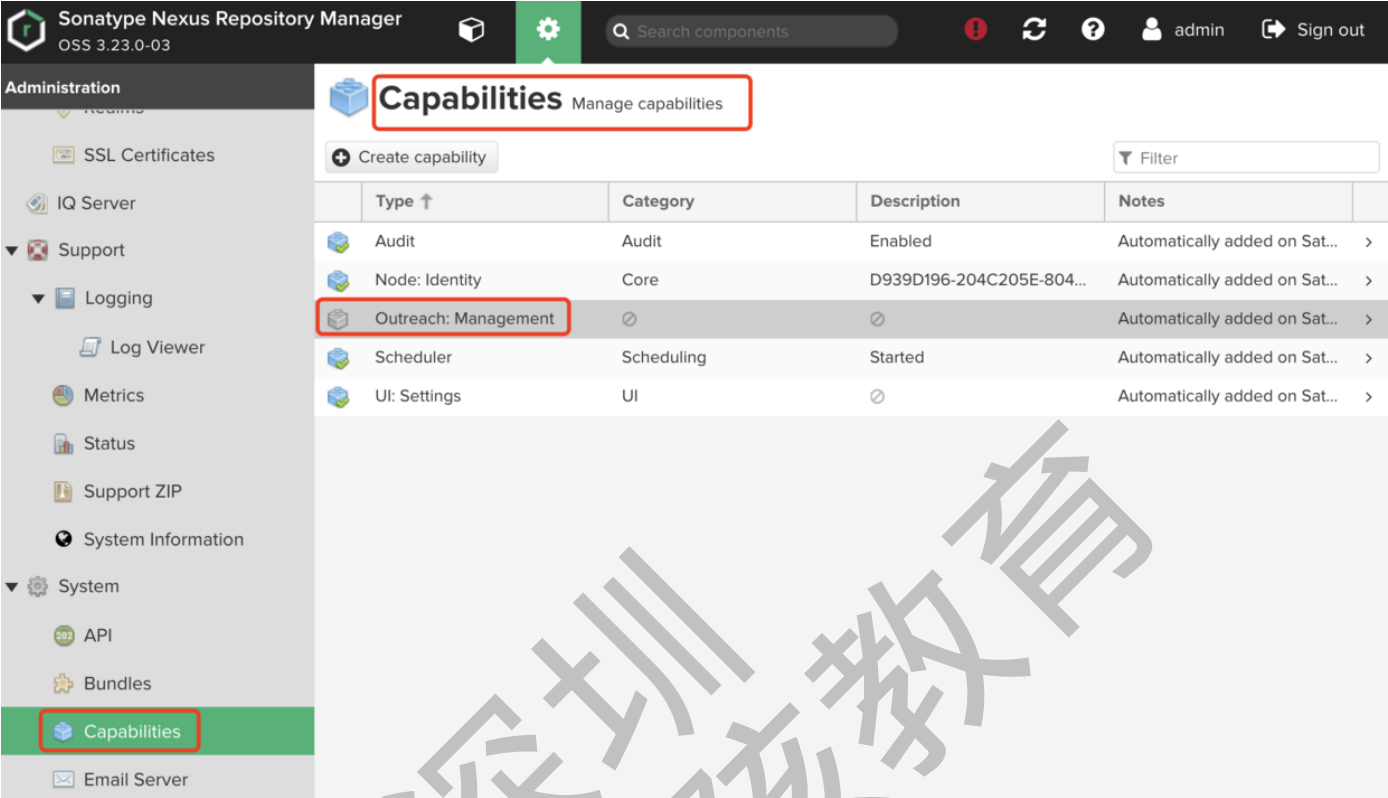
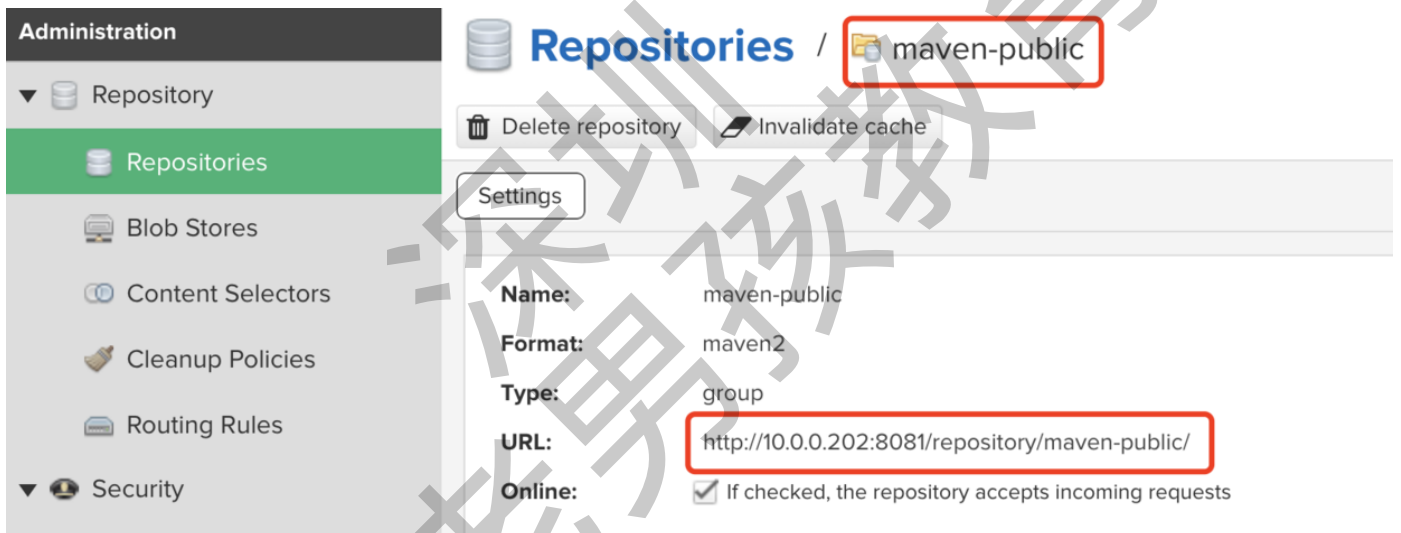# 第2章 配置Nexus仓库代理地址为国内源

1.修改maven仓库地址

将代理地址修改为阿里源：

```
1  https://maven.aliyun.com/nexus/content/groups/public
```

2.复制maven-public地址

第3章 配置Maven使用Nexus仓库

1.修改Maven配置文件

```
1  vim /opt/maven/conf/settings.xml
2  <?xml version="1.0" encoding="UTF-8"?>
3  <settings xmlns="http://maven.apache.org/SETTINGS/1.0.0"
4          xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
5          xsi:schemaLocation="http://maven.apache.org/SETTINGS/1.0.0
   http://maven.apache.org/xsd/settings-1.0.0.xsd">
6    <pluginGroups>
7    </pluginGroups>
8
9    <proxies>
```

```xml
    </proxies>

    <servers>
      <server>
        <id>snapshots</id>
        <username>admin</username>
        <password>123456</password>
      </server>
      <server>
        <id>releases</id>
        <username>admin</username>
        <password>123456</password>
      </server>
      <server>
        <id>public</id>
        <username>admin</username>
        <password>123456</password>
      </server>
    </servers>

    <mirrors>
      <mirror>
        <id>nexus</id>
        <mirrorOf>*</mirrorOf>
        <url>http://10.0.0.202:8081/repository/maven-public/</url>
      </mirror>
    </mirrors>

    <profiles>
      <profile>
        <id>nexus</id>
        <repositories>
          <repository>
            <id>central</id>
            <url>http://10.0.0.202:8081/repository/maven-public/</url>
            <releases><enabled>true</enabled></releases>
            <snapshots><enabled>true</enabled></snapshots>
          </repository>
        </repositories>
        <pluginRepositories>
          <pluginRepository>
            <id>central</id>
            <url>http://10.0.0.202:8081/repository/maven-public/</url>
            <releases><enabled>true</enabled></releases>
            <snapshots><enabled>true</enabled></snapshots>
          </pluginRepository>
        </pluginRepositories>
      </profile>
    </profiles>
```

```
59
60    <activeProfiles>
61      <activeProfile>nexus</activeProfile>
62    </activeProfiles>
63
64  </settings>
```

2.测试重新构建

3.检查结果