

# Maven

Dependency	Resolution	Resolution	Resolution
maven central + gradle-plugin	gradle	maven	

maven 

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maven

- linux [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] :

```
mkdir ~/.m2
vim ~/.m2/settings.xml
```

- windows ☐ powershell ( ☐ pwsh ☐ ) ☐

```
mkdir ~/.m2
cd ~/.m2
notepad settings.xml
```

```
<?xml version="1.0" encoding="UTF-8"?>
<settings xmlns="http://maven.apache.org/SETTINGS/1.0.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://maven.apache.org/SETTINGS/1.0.0 http://maven.apache.org/xsd/settings-
1.0.0.xsd">
  <mirrors>
    <mirror>
      <id>nju_mirror</id>
```

```
<mirrorOf>*</mirrorOf>
<url>https://repo.nju.edu.cn/maven/</url>
</mirror>
</mirrors>
</settings>
```

XXXXXXXXXX

mirrors XXXXXXXX

(XX mirrorOf XXXXXXXXXXXXXXXX)X

```
<mirror>
  <id>nju_mirror</id>
  <mirrorOf>*</mirrorOf>
  <url>https://repo.nju.edu.cn/maven/</url>
</mirror>
```

XXXXXXXXXX

XXXX

XXXXXXXXXXXXXXXXXXXX

pom.xml XXXX

```
<project>
  .....[XXXX ]

  <repositories>
    <repository>
      <id>nju</id>
      <url>https://repo.nju.edu.cn/maven/</url>
      <releases>
        <enabled>true</enabled>
      </releases>
      <snapshots>
        <enabled>false</enabled>
      </snapshots>
    </repository>
  </repositories>
</project>
```

# gradle-plugin 搭建

搭建环境：gradle 5.6.4  
gradle\wrapper\gradle-wrapper.properties  
distributionUrl=https://mirrors.tuna.tsinghua.edu.cn/gradle/gradle-5.6.4-bin.zip

## 搭建步骤

1. 创建 gradle 项目结构：

- linux 环境：

```
mkdir ~/.gradle
vim ~/.gradle/init.gradle
```

- windows 环境 powershell (pwsh) 环境：

```
mkdir ~/.gradle
cd ~/.gradle
notepad init.gradle
```

2. 配置 gradle 仓库：

```
allprojects {
    buildscript {
        repositories {
            def NJU_REPOSITORY_URL = 'https://repo.nju.edu.cn/maven/'
            all { ArtifactRepository repo ->
                if (repo instanceof MavenArtifactRepository) {
                    def url = repo.url.toString()
                    if (url.startsWith('https://repo1.maven.org/maven2')) {
                        project.logger.lifecycle "Repository ${repo.url} replaced by $NJU_REPOSITORY_URL."
                        remove repo
                    }
                }
                if (url.startsWith('https://jcenter.bintray.com/')) {
                    project.logger.lifecycle "Repository ${repo.url} deleted."
                    remove repo
                }
            }
        }
    }
}
```

```

        if (url.startsWith('https://dl.google.com/dl/android/maven2/')) {
            project.logger.lifecycle "Repository ${repo.url} deleted."
            remove repo
        }
        if (url.contains('plugins.gradle.org/m2')) {
            project.logger.lifecycle "Repository ${repo.url} deleted."
            remove repo
        }
    }
}

maven { url NJU_REPOSITORY_URL }
mavenLocal()
}

repositories {
    def NJU_REPOSITORY_URL = 'https://repo.nju.edu.cn/maven/'
    all { ArtifactRepository repo ->
        if (repo instanceof MavenArtifactRepository) {
            def url = repo.url.toString()
            if (url.startsWith('https://repo1.maven.org/maven2/')) {
                project.logger.lifecycle "Repository ${repo.url} replaced by $NJU_REPOSITORY_URL."
                remove repo
            }
            if (url.startsWith('https://jcenter.bintray.com/')) {
                project.logger.lifecycle "Repository ${repo.url} deleted."
                remove repo
            }
            if (url.startsWith('https://dl.google.com/dl/android/maven2/')) {
                project.logger.lifecycle "Repository ${repo.url} deleted."
                remove repo
            }
            if (url.contains('plugins.gradle.org/m2')) {
                project.logger.lifecycle "Repository ${repo.url} deleted."
                remove repo
            }
        }
    }
}

maven { url NJU_REPOSITORY_URL }
mavenLocal()

```

```
}  
}
```

■■■■■ gradle ■■■■■ gradle --stop ■■■■ gradle ■ daemon■  
■■■■■■■



■■■■■■■■■■■■■■■■■■■■ build.gradle ■■■ :

```
buildscript {  
    repositories {  
        maven { url 'https://repo.nju.edu.cn/maven/' }  
    }  
}  
  
plugins {  
    ...[■■■■■ gradle ■■ ]  
}  
  
allprojects {  
    repositories {  
        maven { url 'https://repo.nju.edu.cn/maven/' }  
    }  
}
```

■■■■■■■■■■■■■■■■■■■■ gradle ■■■