mirror.nju.edu.cn

- □□
- GCR
- GHCR
- GLCR
- NGC
- Quay
- K8s
- Go
- Maven
- npm

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- mirror.nju.edu.cn
- mirrors.nju.edu.cn

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□□	□□
HTTP	80
HTTPS	443
RSYNC	873

GCR

Google Container Registry

gcr.io

□ `gcr.io` □□□ `gcr.nju.edu.cn` □□□

□

```
docker pull gcr.io/cadvisor/cadvisor:v0.39.3
```

□□□

```
docker pull gcr.nju.edu.cn/cadvisor/cadvisor:v0.39.3
```

k8s.gcr.io

□ `k8s.gcr.io` □□□ `gcr.nju.edu.cn/google-containers` □□□

□

```
docker pull k8s.gcr.io/kube-proxy:v1.18.6
```

□□□

```
docker pull gcr.nju.edu.cn/google-containers/kube-proxy:v1.18.6
```

GHCR

Github Container Registry

ghcr.io

□ `ghcr.io` □□□ `ghcr.nju.edu.cn` □□□

□

```
docker pull ghcr.io/github/super-linter:latest
```

□□□

```
docker pull ghcr.nju.edu.cn/github/super-linter:latest
```

GLCR

GitLab Container Registry

registry.gitlab.com

□ registry.gitlab.com □□□ glcr.nju.edu.cn □□□

□

```
docker pull registry.gitlab.com/pipeline-components/yamllint
```

□□□

```
docker pull glcr.nju.edu.cn/pipeline-components/yamllint
```

NGC

NVIDIA NGC Catalog

nvcr.io

□ nvcr.io □□□ nvcr.nju.edu.cn □ ngc.nju.edu.cn □□□

□

```
docker pull nvcr.io/nvidia/cuda
```

□□□

```
docker pull nvcr.nju.edu.cn/nvidia/cuda
```

Quay

Quay Container Registry

quay.io

□ quay.io □□□ quay.nju.edu.cn □□□

□

```
docker pull quay.io/prometheus/prometheus:latest
```

□□□

```
docker pull quay.nju.edu.cn/prometheus/prometheus:latest
```

K8s

Kubernetes's container image registry

registry.k8s.io

□ registry.k8s.io □□□ k8s.nju.edu.cn □□□

□

```
docker pull registry.k8s.io/busybox
```

□□□

```
docker pull k8s.nju.edu.cn/busybox
```

Go

□□□□□□□□□□□ go □□□□□□□□□□□□□ □□□□____□

go □□□□□□□□□□□□□□□□

```
go env -w GO111MODULE=on # □□ Go Modules □□
go env -w GOPROXY="https://repo.nju.edu.cn/go/,direct" # □□□□
go env | grep GOPROXY # linux □□□□

go env |findstr "GOPROXY" # windows □□□□
```

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```
go env -w GOPRIVATE="*.nju.edu.cn"
```

Maven

□□□□ maven central + gradle-plugin □□□□□ gradle □ maven □□□□□□□□□□□□□□□□□□□□□

maven □□□□

□□□□

□□□□□□□□□□□□□□□□□□□□□ maven □□□□□□□□□□□□□□□□

- linux □□□□□□□□□□□□ :

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

- windows □□□ powershell (□□ pwsh□) □□□□□□□

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

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```
<?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>
```

□□□□□□□□□□ `mirrors` □□□□□□□ (□□ mirrorOf □□□□□□□□□□□□□□□□)□

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

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□□□□□□□□□□□□□□□□ `pom.xml` □□□□

```
<project>
    ......[□□□□ ]

    <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 □□□□

□□□□□□□□□□□ gradle □□□□□□□□□□□□□□□ `gradle\wapper\gradle-wrapper.properties` □ `distributionUrl` □□□ `http://mirror.nju.edu.cn/gradle/gradle-[version].zip` □□□□□□□□ □□□□□□□□□□□□□

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□□□□□□□□□□□□□□□□□□□□□□ gradle □□□□□□□□□□□□□□□ :

- linux □□□□□□□□□□□□ :

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

- windows □□□ powershell (□□ pwsh□) □□□□□□ :

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

□□□□□□□□ :

```
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 {
    ...[[illegible] gradle [illegible]]
}

allprojects {
    repositories {
        maven { url 'https://repo.nju.edu.cn/maven/' }
    }
}
```

[illegible] gradle [illegible]

npm

Node Package Manager

[illegible]

npm [illegible]

[illegible]

```
npm install [packageName] --registry=https://repo.nju.edu.cn/repository/npm/
```

[illegible]

[illegible]

[illegible]

```
npm config set registry https://repo.nju.edu.cn/repository/npm/ # [illegible]
```

npm [illegible]

[illegible] npm [illegible] **npm** [illegible] [illegible] js [illegible] [illegible] [illegible]

[illegible]

[illegible] `https://repo.nju.edu.cn/repository/npm-nju/` [illegible]

[illegible] :

- [illegible] [illegible] [illegible]

- [illegible] [illegible]
  [illegible] pypi [illegible]
- [illegible] [illegible] [illegible] [illegible] [illegible]
- [illegible] [illegible] [illegible] [illegible] [illegible]

[illegible]

1. [illegible] npm [illegible]

   ```
   npm adduser --registry https://repo.nju.edu.cn/repository/npm-releases/
   ```

   [illegible]
2. [illegible] `package.json` [illegible]

   ```
   "publishConfig": {
     "registry" : "https://repo.nju.edu.cn/repository/npm-releases/"
   },
   ```

3. [illegible] `package.json` [illegible]
4. [illegible] `.npmignore` [illegible]
5. [illegible]

   ```
   npm run build
   npm publish
   ```

yarn [illegible]

```
yarn config set registry https://repo.nju.edu.cn/repository/npm/ # [illegible]
```

yarn [illegible] npm [illegible] `yarn login`
[illegible] yarn publish [illegible]