

## 一些要安装的插件和配置

### 遇到的问题

重要问题：（已解决）无法访问/bitnami/jenkins/home（权限问题）

问题：（已解决）jenkins job名不能包含大写字母

问题：（已解决）重新部署或重启jenkins（web上restart操作）后，jenkins容器内sonar-scanner和vim都没了

问题：（已解决）为什么sonarscanner和vim不能自动保存到nfs（只能和maven一样，集成到dockerfile里）

补充：jenkinsfile里添加runOpts参数定义

问题：（已解决）maven没找到本地仓库.m2目录（编译完成后就会生成）

重要问题：（已解决）始终报Incorrect username or password（gitee只能用账号密码，不能用私钥公钥方法）

补充：关键在于jenkinsfile中checkout时的CredentialId参数（gitlab用的是私钥，gitee只能用账号密码）

补充：换成gitee后，jenkinsfile需要修改的地方

## 一些要安装的插件和配置

## Plugin Manager

Updates Available **Installed** Advanced

Name ↓	Enabled
<b>Timestamp</b> 1.17 Adds timestamps to the Console Output <a href="#">Report an issue with this plugin</a>	<input checked="" type="checkbox"/>

## Dashboard ▸ Global Tool Configuration

### Ant installations

Add Ant

List of Ant installations on this system

## Maven

### Maven installations

Add Maven

Maven  
**Name**

m2

### MAVEN\_HOME

/usr/local/apache-maven-3.8.6

☐ Install automatically ?

## Plugin Manager

Updates **Available** Installed Advanced

Install **Name** ↓

**AnsiColor** 1.0.2



**Miscellaneous**

Adds ANSI coloring to the Console Output

其实github配置可以不用，因为我后面没用github了，太慢了，换成gitee了，或者gitlab：


## 全局凭据 (unrestricted)

Credentials that should be available irrespective of domain specification to requirements matching.


ID	Name	Kind	Description
 yk-github20221111	frankyangkun/***** (我的github)	Username with password	我的github 


Icon: S M L

用户名密码github不支持了，所以下面的配置是不对的，不需要下图这个凭据了：

 **Jenkins**

Dashboard > 凭据 > 系统 > 全局凭据 (unrestricted) >

 Back to credential domains

 Add Credentials

Kind

Username with password

Scope ?

全局 (Jenkins, nodes, items, all child items, etc)

Username ?

frankyangkun

☐ Treat username as secret ?

Password ?

.....

ID ?

yk-github20221111

Description ?

我的github

OK

改成直接使用token：

## Global Pipeline Libraries

Sharable libraries available to any Pipeline jobs running on this system. These libraries will be trusted, meaning they run without "sandbox" restrictions and may use @Grab.

Library

Name ?

jenkinsin

Default version ?

main

Cannot validate default version until after saving and reconfiguring.

☐ Load implicitly ?

☒ Allow default version to be overridden ?

☒ Include @Library changes in job recent changes ?

☐ Cache fetched versions on controller for quick retrieval ?

Retrieval method

Modern SCM

Loads a library from an SCM plugin using newer interfaces optimized for this purpose. The recommended option when available.

Source Code Management

GitHub

Credentials ?

- 无 -

⚙️ Add

⚠️ Credentials are recommended

Repository HTTPS URL

Repository HTTPS URL ?

https://ghp\_TKtaU6wxykLhSyJVrSLCHdFG0uBnZxbQyC@github.com/frankyangkun/jenkinslib.git

Credentials ok. Connected to https://github.com/frankyangkun/jenkinslib.

Validate

☐ Repository Scan - Deprecated Visualization

## Branch Specifier (blank for 'any') ?

\*/main

Add Branch

## Repository browser ?

(Auto)

## Additional Behaviours

Clean before checkout

?☒ Delete untracked nested repositories ?

Add ▾

## Script Path ?

ci.jenkinsfile

☒ Lightweight checkout ?

# 遇到的问题

重要问题：（已解决）无法访

问/bitnami/jenkins/home（权限问题）

## ✖ Console Output

```
Started by user user
Loading library jenkinslib@main
Examining frankyangkun/jenkinslib
Attempting to resolve main as a branch
Resolved main as branch main at revision 2e71a6c1a735126770ff706d3051e187dbf67bec
java.nio.file.AccessDeniedException: /bitnami/jenkins/home/workspace/MicroserviceDemo@libs
    at java.base/sun.nio.fs.UnixException.translateToIOException(UnixException.java:90)
    at java.base/sun.nio.fs.UnixException.rethrowAsIOException(UnixException.java:111)
    at java.base/sun.nio.fs.UnixException.rethrowAsIOException(UnixException.java:116)
    at java.base/sun.nio.fs.UnixFileSystemProvider.createDirectory(UnixFileSystemProvider.java:389)
    at java.base/java.nio.file.Files.createDirectory(Files.java:690)
    at java.base/java.nio.file.Files.createAndCheckIsDirectory(Files.java:797)
    at java.base/java.nio.file.Files.createDirectories(Files.java:783)
    at hudson.FilePath.mkdirs(FilePath.java:3609)
    at hudson.FilePath.access$1100(FilePath.java:212)
    at hudson.FilePath$Write.invoke(FilePath.java:2445)
    at hudson.FilePath$Write.invoke(FilePath.java:2433)
    at hudson.FilePath.act(FilePath.java:1200)
    at hudson.FilePath.act(FilePath.java:1183)
    at hudson.FilePath.write(FilePath.java:2430)
    at org.jenkinsci.plugins.workflow.libs.SCMSourceRetriever.doRetrieve(SCMSourceRetriever.java:199)
    at org.jenkinsci.plugins.workflow.libs.SCMSourceRetriever.retrieve(SCMSourceRetriever.java:137)
    at org.jenkinsci.plugins.workflow.libs.LibraryAdder.retrieve(LibraryAdder.java:204)
    at org.jenkinsci.plugins.workflow.libs.LibraryAdder.add(LibraryAdder.java:142)
    at org.jenkinsci.plugins.workflow.libs.LibraryDecorator$1.call(LibraryDecorator.java:125)
    at org.codehaus.groovy.control.CompilationUnit.applyToPrimaryClassNodes(CompilationUnit.java:1087)
    at org.codehaus.groovy.control.CompilationUnit.doPhaseOperation(CompilationUnit.java:624)
```

问题：（已解决）jenkins job名不能包含大写字母

顺便说下命名问题：



主要原因在这儿：home虽然是1001普通用户的（我的登录用户user就是普通用户）

```

/bitnami/jenkins
$ ls -al
total 12
drwxrwxrwx  3 root root   18 Nov  9 13:11 .
drwxr-xr-x  3 root root   21 Jun 10 15:09 ..
drwxr-xr-x 20 1001 root 8192 Nov 11 07:24 home
$

```

但是里面的workspace不属于1001用户：不知道什么时候变的

```

drwx-----  2 1001 root  4096 Nov 11 03:32 secrets
drwxr-xr-x  2 1001 root   182 Nov 11 07:21 updates
drwxr-xr-x  2 1001 root    24 Nov  9 13:12 userContent
drwxr-xr-x  3 1001 root    55 Nov 11 07:21 users
drwxr-xr-x 11 1001 root  4096 Nov  9 13:11 war
drwxr-xr-x  3 root root    37 Nov 10 07:36 workspace
# pwd
/bitnami/jenkins/home
#

```

而且workspace里所有者全是root的：

```

# ls -al workspace
total 12
drwxr-xr-x  3 root root    37 Nov 10 07:36 .
drwxr-xr-x 20 1001 root 8192 Nov 11 07:24 ..
drwxr-xr-x  3 root root    17 Nov 10 07:36 demo-maven-microservice
#

```

我目前jenkins的用户用户是1001普通用户，应该是无法操作root的

用 **docker exec -it -u 0 32c7b3e8ce4c /bin/sh** 以root用户进入jenkins容器，改成1001：都变成1001的了：

```

# chown -R 1001:root workspace
# ls -al

```

```

# ls -al
total 12
drwxr-xr-x  3 1001 root    37 Nov 10 07:36 .
drwxr-xr-x 20 1001 root 8192 Nov 11 07:24 ..
drwxr-xr-x  3 1001 root    17 Nov 10 07:36 demo-maven-microservice
#

```

但是如果jenkins重启了pod，会不会新的pod又恢复成root了，我之前从来没遇到过这个问题


重启了下，重新进入容器，还好没变：也可能是重启后新的容器本身就是这个权限

```


drwxr-xr-x 11 1001 root  4096 Nov  9 13:11 war
drwxr-xr-x  3 1001 root    37 Nov 10 07:36 workspace
# ls -al workspace
total 12
drwxr-xr-x  3 1001 root    37 Nov 10 07:36 .
drwxr-xr-x 20 1001 root 8192 Nov 11 08:04 ..
drwxr-xr-x  3 1001 root    17 Nov 10 07:36 demo-maven-microservice
#


```


终于成功了，确实是这个原因：


 **Jenkins**


Dashboard > testpipeline0921 >


 Back to Dashboard


 Status


 Changes


 Build with Parameters


 Configure


 Delete Pipeline


 Full Stage View


 Rename


 流水线语法

 **Build History** trend ^


 #8 2022年11月11日 上午8:06

 #7 2022年11月11日 上午7:23

 #6 2022年11月11日 上午7:14

 #5 2022年11月11日 上午7:12

## Pipeline testpipeline0921

 [Recent Changes](#)

### Stage View

Average stage times:  
(Average full run time: ~14s)

	Declarative: Checkout SCM	Hello
	3s	802ms
#8 Nov 11 16:06 No Changes	3s	802ms
#7 Nov 11 15:23 No Changes		
#6		

## Console Output

```
Started by user user
Obtained Jenkinsfile from git https://gitee.com/frankyang1988/jenkinslib.git
Loading library jenkinslib@main
Attempting to resolve main from remote references...
> git --version # timeout=10
> git --version # 'git version 2.36.1'
using GIT_ASKPASS to set credentials 我的gitee
> git ls-remote -h -- https://gitee.com/frankyang1988/jenkinslib.git # timeout=10
Found match: refs/heads/main revision 6784b1b1b595e2201b4bfd4261e72ae62775cf82
Selected Git installation does not exist. Using Default
The recommended git tool is: NONE
using credential yk-gitee
Cloning the remote Git repository
Cloning with configured refspecs honoured and without tags
Cloning repository https://gitee.com/frankyang1988/jenkinslib.git
> git init /bitnami/jenkins/home/workspace/testpipeline0921@libs/cc8cabceeb46637923486a4fca7ffca37c9898
Fetching upstream changes from https://gitee.com/frankyang1988/jenkinslib.git
> git --version # timeout=10
> git --version # 'git version 2.36.1'
using GIT_ASKPASS to set credentials 我的gitee
> git fetch --no-tags --force --progress -- https://gitee.com/frankyang1988/jenkinslib.git +refs/heads/
> git config remote.origin.url https://gitee.com/frankyang1988/jenkinslib.git # timeout=10
> git config --add remote.origin.fetch +refs/heads/*:refs/remotes/origin/* # timeout=10
Avoid second fetch
Checking out Revision 6784b1b1b595e2201b4bfd4261e72ae62775cf82 (main)
> git config core.sparsecheckout # timeout=10
> git checkout -f 6784b1b1b595e2201b4bfd4261e72ae62775cf82 # timeout=10
Commit message: "update src/org/devops/gitlab/groovy."
First time build. Skipping changelog.
Pipeline Start of Pipeline
```

但我刚才的操作之后重启jenkins，是新的pod了才对，为什么配置还能保持？  
应该是我的jenkins做了持久化，配置信息保存在了nfs，所以chown的操作也保存了。

ps：我估计不是这个原因，应该是我当前的jenkins不知道什么原因导致权限变了，重启jenkins后，是新部署的jenkins了，权限自然就恢复了。反正肯定都是权限造成的。

## 问题：（已解决）重新部署或重启jenkins（web上restart操作）后，jenkins容器内sonar-scanner和vim都没了

有个严重问题，我jenkins重启后，pod名称没变，但是里面的sonar-scanner都没了，vim也没了，不知道什么原因

应该是每次jenkins pod内的容器都变了，每次exec进入的都是新的，但是因为我的jenkins部署时，Dockerfile里包含了maven的内容，所以每次新部署的容器都包含了dockerfile里的内容，所以mvn是保留的，可是后来我单独进入容器安装的sonarscanner和vim肯定就没法保存了。

所以 这么看来，我的sonarscanner安装，vim安装也最好都集成到jenkins-



## maven的dockerfile里


不然可能每次重启jenkins，就都无法保存。

问题：（已解决）为什么sonarscanner和vim不能自动保存到nfs（只能和maven一样，集成到dockerfile里）

ps：因为nfs保存的都是jenkins本身相关的数据，比如上面的job，运行数据，配置等，sonarscanner和vim都是我另外安装到jenkins所在的容器本身的os上的，跟jenkins没关系，重启后实际上os都是重装了，所以肯定是全部清理了，所以要想重启后保存，只能和maven一样，集成到dockerfile里

## 补充：jenkinsfile里添加runOpts参数定义

补充：其实后面视频里也遇到过这个问题，只需要在jenkinsfile添加上这个变量即可：然后就可以手动执行了，不一定非要commit来触发

 runOpts

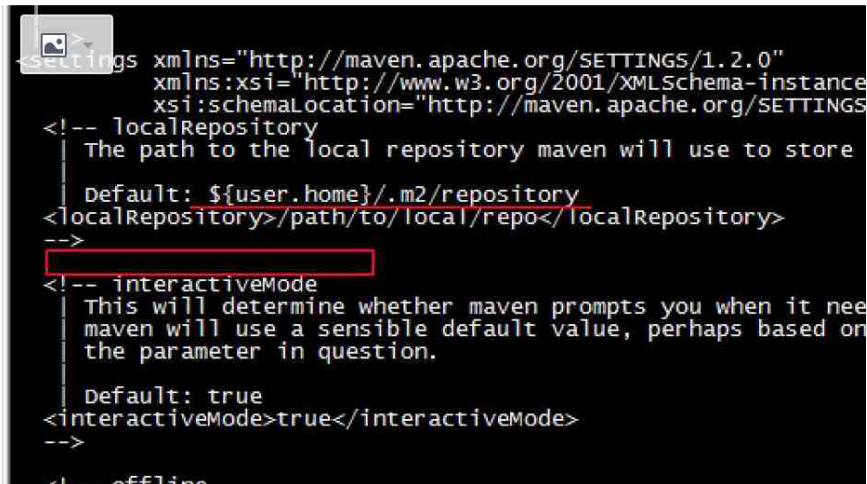
我直接加了个：

```
main ▾ jenkinslib / ci.jenkinsfile   
  
ci.jenkinsfile 8.43 KB  
frank 提交于 1小时前 · update ci.jenkinsfile.  
  
1  #!groovy  
2  
3  @Library('jenkinslib') _  
4  
5  //func from share library  
6  def build = new org.devops.build()  
7  //def deploy = new org.devops.deploy()  
8  def tools = new org.devops.tools()  
9  def gitlab = new org.devops.gitlab()  
10  
11  //不一定非要commit操作才能触发，手动执行也可触发  
12  def runOpts  
13  
14  //env  
15  String buildType = "${env.buildType}"  
...
```

问题：（已解决）maven没找到本地仓库.m2目录（编译完成后就会生成）

还有个问题：我的maven没找到本地仓库.m2目录，但是看之前的笔记，虽然有个这个：

看了下配置文件，确实没定义：只有注释

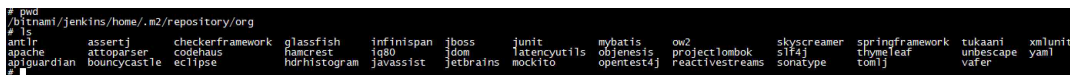


这是网上查到的：应该加上这一行

```
<localRepository>${user.home}/.m2/repository</localRepository>
```

但最终其实是没有加的，之前是找了的，不知道为什么。

补充：后来我编译成功后，找到了这个目录：但是没找到我的项目



但是运行日志里又有：

```
Downloaded from central: https://repo.maven.apache.org/maven2/com/google/j2objc/j2objc-annotations/1.3/j2objc-annotations-1.3.jar (8.8 kB at 1.2 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/com/google/guava/guava/28.2-android/guava-28.2-android.jar (2.6 MB at 341 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/commons/commons-lang3/3.7/commons-lang3-3.7.jar (500 kB at 65 kB/s)
[INFO] Replacing main artifact with repackaged archive
[INFO]
[INFO] --- maven-install-plugin:2.5.2:install (default-install) @ 046-springboot-dubbo-ssm-provider ---
[INFO] Installing /bitnami/jenkins/home/workspace/microservice-demo-20221111/046-springboot-dubbo-ssm-provider/target/046-springboot-dubbo-ssm-provider-v1.0.jar to
/bitnami/jenkins/home/.m2/repository/com/frank/springboot/046-springboot-dubbo-ssm-provider/v1.0/046-springboot-dubbo-ssm-provider-v1.0.jar
[INFO] Installing /bitnami/jenkins/home/workspace/microservice-demo-20221111/046-springboot-dubbo-ssm-provider/pom.xml to
/bitnami/jenkins/home/.m2/repository/com/frank/springboot/046-springboot-dubbo-ssm-provider/v1.0/046-springboot-dubbo-ssm-provider-v1.0.pom
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 04:27 min
[INFO] Finished at: 2022-11-14T02:23:05Z
[INFO]
[Pipeline] }
[Pipeline] // dir
[Pipeline] dir
Running in /bitnami/jenkins/home/workspace/microservice-demo-20221111/047-springboot-dubbo-ssm-consumer
[Pipeline] {
```

```

frankyang 440808646: SUCCESS: MESSAGE:
====> 533177b29ad9
ProgressMessage{id=null, status=null, stream=null, error=null, progress=null, progressDetail=null}
Successfully built 533177b29ad9
Successfully tagged frankyang1988/047-springboot-dubbo-ssm-consumer:v20220322
[INFO] Built frankyang1988/047-springboot-dubbo-ssm-consumer:v20220322
[INFO]
[INFO] --- maven-install-plugin:2.5.2:install (default-install) @ 047-springboot-dubbo-ssm-consumer ---
[INFO] Installing /bitnami/jenkins/home/workspace/microservice-demo-20221111/047-springboot-dubbo-ssm-consumer/target/047-springboot-dubbo-ssm-consumer-1.0-SNAPSHOT.jar to
/bitnami/jenkins/home/.m2/repository/com/frank/springboot/047-springboot-dubbo-ssm-consumer/1.0-SNAPSHOT/047-springboot-dubbo-ssm-consumer-1.0-SNAPSHOT.jar
[INFO] Installing /bitnami/jenkins/home/workspace/microservice-demo-20221111/047-springboot-dubbo-ssm-consumer/pom.xml to
/bitnami/jenkins/home/.m2/repository/com/frank/springboot/047-springboot-dubbo-ssm-consumer/1.0-SNAPSHOT/047-springboot-dubbo-ssm-consumer-1.0-SNAPSHOT.pom
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 02:37 min
[INFO] Finished at: 2022-11-14T02:25:47Z
[INFO] -----
[Pipeline] }
[Pipeline] // dir
[Pipeline] }

```

其实是有的，目录进错了：

```

# ls -al
total 0
drwxr-xr-x 6 1001 root 169 Nov 14 02:25 .
drwxr-xr-x 3 1001 root 24 Nov 14 02:15 ..
drwxr-xr-x 3 1001 root 58 Nov 14 02:15 044-springboot-dubbo-ssm-parent
drwxr-xr-x 3 1001 root 58 Nov 14 02:18 045-springboot-dubbo-ssm-interface
drwxr-xr-x 3 1001 root 50 Nov 14 02:23 046-springboot-dubbo-ssm-provider
drwxr-xr-x 3 1001 root 58 Nov 14 02:25 047-springboot-dubbo-ssm-consumer
# pwd
/bitnami/jenkins/home/.m2/repository/com/frank/springboot
#

```

**重要问题：（已解决）始终报Incorrect username or password（gitee只能用账号密码，不能用私钥公钥方法）**

在《Git、GitLab、GitHub、Gitee（码云）的区别》中确认过，我的gitee密码没问题，但始终报错：

```

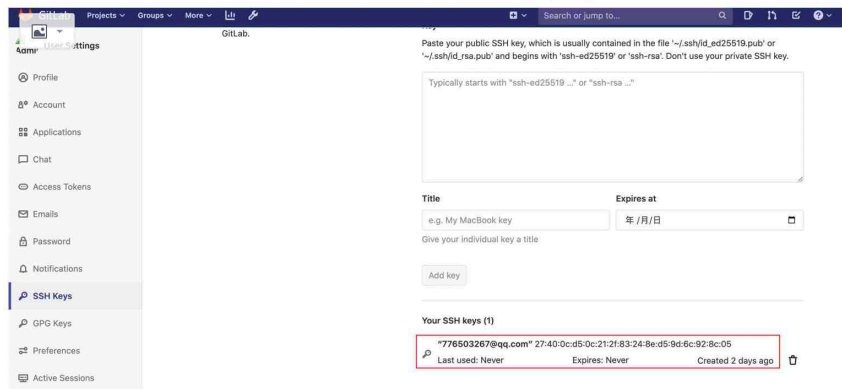
getProjectName按/分割结果gitlab: [https://, , gitee.com, frankyang1988, 044-springboot-dubbo-ssm-parent.git]
[Pipeline] echo
项目名称: 044-springboot-dubbo-ssm-parent.git
[Pipeline] checkout
The recommended git tool is: NONE
Warning: CredentialId "fdif2048-303b-42a2-8328-9e57063de47f" could not be found.
> git rev-parse --resolve-git-dir /bitnami/jenkins/home/workspace/microservice-demo-20221111/044-springboot-dubbo-ssm-parent.git/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://gitee.com/frankyang1988/044-springboot-dubbo-ssm-parent.git # timeout=10
Fetching upstream changes from https://gitee.com/frankyang1988/044-springboot-dubbo-ssm-parent.git
> git --version # timeout=10
> git fetch --tags --force --progress -- https://gitee.com/frankyang1988/044-springboot-dubbo-ssm-parent.git --refs/heads/*:refs/remotes/origin/* # timeout=10
ERROR: Error fetching remote repo 'origin'
hudson.plugins.git.GitException: Failed to fetch from https://gitee.com/frankyang1988/044-springboot-dubbo-ssm-parent.git
    at hudson.plugins.git.GitSCM.fetchFrom(GitSCM.java:1003)
    at hudson.plugins.git.GitSCM.retrieveChanges(GitSCM.java:1244)
    at hudson.plugins.git.GitSCM.checkout(GitSCM.java:1308)
    at org.jenkinsci.plugins.workflow.steps.scm.SCMStep.checkout(SCMStep.java:129)
    at org.jenkinsci.plugins.workflow.steps.scm.SCMStep$StepExecutionImpl.run(SCMStep.java:97)
    at org.jenkinsci.plugins.workflow.steps.scm.SCMStep$StepExecutionImpl.run(SCMStep.java:84)
    at org.jenkinsci.plugins.workflow.steps.SynchronousNonBlockingStepExecution.lambda$start$0(SynchronousNonBlockingStepExecution.java:47)
    at java.base/java.util.concurrent.Executors$RunnableAdapter.call(Executors.java:515)
    at java.base/java.util.concurrent.FutureTask.run(FutureTask.java:264)
    at java.base/java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1128)
    at java.base/java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:628)
    at java.base/java.lang.Thread.run(Thread.java:829)
Caused by: hudson.plugins.git.GitException: Command "git fetch --tags --force --progress -- https://gitee.com/frankyang1988/044-springboot-dubbo-ssm-parent.git --refs/heads/*:refs/remotes/origin/*" returned status code 128:
stdout:
stderr: remote: *{3lm5session=8c492fa3} Username for 'https://gitee.com/frankyang1988/044-springboot-dubbo-ssm-parent.git':
fatal: Authentication failed for 'https://gitee.com/frankyang1988/044-springboot-dubbo-ssm-parent.git/'

    at org.jenkinsci.plugins.gitclient.CliGitAPIImpl.launchCommandIn(CliGitAPIImpl.java:2671)
    at org.jenkinsci.plugins.gitclient.CliGitAPIImpl.launchCommandWithCredentials(CliGitAPIImpl.java:2096)
    at org.jenkinsci.plugins.gitclient.CliGitAPIImpl.access$500(CliGitAPIImpl.java:84)
    at org.jenkinsci.plugins.gitclient.CliGitAPIImpl$1.execute(CliGitAPIImpl.java:618)
    at hudson.plugins.git.GitSCM.fetchFrom(GitSCM.java:1001)
    ... 11 more

```

好像是需要 在 gitlab 机器上生成公钥私钥，然后把公钥拷贝到jenkins上作为凭据 之前的笔记：

继续：按帖子里的说法，gitlab上的ssh key是配置jenkins所在机器的公钥，我之前好像是配置的gitlab上的公钥



确实应该是配置jenkins所在机器的，因为是要建立gitlab和jenkins的连接

我当时为什么要配成gitlab的？当时以为导入github项目需要，其实导入github只需要github的personal access token，不需要配置gitlab所在机器的公钥。前面我理解错了，已经补充笔记了

jenkins所在机器node3的公钥，配到gitee：

```

[ root@node03 ~]# cat ~/.ssh/id_rsa.pub
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQCAxw/FACjV09Yoh9xIP4Zf25v/UK+jeB100QKAK1V+HANVxdQ/Tx9F833P07J+xc9mR19e+h6884M4gc92070avFUCGdukgzkSo2sD6CpncjSFtUAXMBGc92Aova0Nw1he1dz
ANZezjTbhzyusgfYAC1/hbQK1atwylUuk4unu24vagavjkevP/jndv1KnD0Fa1Fiwuxdf4Fnts22v717omfs7/r83Nr270VG94c31Kjcw17breGd2YQ5q1YEEwdPKZGvrxf11uWRRC6BxCMTH2p19pc/355pzc7p8GwNRBgkgg6eHt
f/yP9BAUPKTUEF30nkNmzF404f (root@node03)

```

gitee

开源软件

企业版

高校版

私有云

博客

Go

我的

搜索

OSCHINA 2022 中国开源开发者问卷现已启动 >>>

F

frank

消息中心

我的消息

通知设置

基本设置

账号管理

个人资料

邮箱管理

我的注册地址

代码风格

仓库首选项

安全设置

SSH公钥

GPG公钥

Beta

私人令牌

SSH公钥

使用SSH公钥可以让你在你的电脑和 Gitee 通讯的时候使用安全连接（Git的Remote要使用SSH地址）

您当前的SSH公钥数: 0

你还没有添加任何SSH公钥

添加公钥

标题

node3\_jenkins

公钥

把你的公钥粘贴到这里。查看 怎样生成公钥


ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQACx64wW/fACiV09YQh9xIP4ZqF2Sy/uk+JeB100QKAKIV+HANvXdQ/Tx9fR33P07J+xc9mRi9e+h68B4Ms4gc92070avFucOGduKgzkSo2sD6CpnGjSFUIAXMBqC92AovaONw1heidzAWZeZjTBhzyUSgfyACl/hbQKlaUWyuUuK4uwU24VaGaVikevp/jNdVlKNb0FaiElwuXdf4fNts22vZ7omFsZ/r83Nr270VG94cJiKicw7breG0d2YQsqIYEEwdPXZGvrxftiUWRRC6BxCMTHZpi9pc/355pzc7p8GwNrBgMga6ehtf/yP9aAUPXTUJEF90nkNmKzFF4O4f root@node03

确定

jenkins所在机器node3的私钥，配到jenkins:

```
[root@node03 ~]# cat ~/.ssh/id_rsa
-----BEGIN RSA PRIVATE KEY-----
MIIEogIBAAKCAQEAsuMFV3wa01dPWdofcSD+Gahdkr/7ivixgddKcgcPvfhWj1
V3UP08fX0d9z90yfsXPZkyvXvoevAedLOIHpdtozmrxVHDhnb1om5EqNrA+gqZxo
0hSFAFzAagvdkL2jjcNYXoncwFmXmY0wYc81EoH8gApf4w0CiG1fSpVLiulSFnu
Fwhmly5Hr6f4zx55jw9BwohSML13X+HzbbNtr+5e6Jhbo/6/Nza9u9FRveHCYio
3MJe263htHdmeEq1GBBMHT12Rr68X4o1FkuawugcQjEx2ayvaxP9+eac306fBsDa
wYDIkunobX/8j/wgFD8U1BBfdJ5DZisxReDuHwIDAQABAoIBACy1zwvfoaeiVGMY
rf8R14R4TMBgpcTg41dyRZnuAdvmeEqjQpx2hvk1ykugpyPGHh7OCPPDXRPadGf/A
p36wpj1Pft0Xscv5I4tZpFSL+01app1p1wx51ew3YNm7zIQBYRnjGsQBwVDzQvsh
bs+531vgQAosnd1SEhIQy1riv21sP06gnxHLMHTMBSok8g11QnBRV/I6gu+W60sr
jYiYeF84vt2zJXCrBuRWhOkpeJ1avo3gpv+RFpGrLh9NoPScnxBXQ8EzvsUDX2ro
FLw0P/U7DX046CBcQpNaHVPgs2dvsCH1iww1xvsfthfba5hrxkvbzvvoUrNMsOPD
htdZnnECgYEA1ey9FKMSnVVBg16okY74du/EvLLV0H5EaoJegRXkFEceexVRD/9e
a5Uct3re0Tv/1NhjCvZFF242xk4xJ42SGAAYFsuxg2/GidPxjENYRJgBKqNUBntL
fo9Vbg8fIx2G606EX9rQ04cNHvMoPPcj/Bubt3l+Idw/bti2DTSVspMcgYEA10ny
+04swX/wyXtkMTk2YktJ2TIX4f10PPRk0Vxg7zj1Er6QTYFgnhm9nyIEx2R7Scq
fc5N3NG2/1h8mNJfkygXrt008zu014XQNMqw35vvf8oJ6KHvRMedugJwcVCAe9J1
b5igyRE4NIxgwxYF3oFm43aQZPpAtnjBCCDaUCUCGYApD057sQ9BvbrQYGO4itbi
rAv0geqBAJ/gAJ8h9PFvcrZGqDCGAVr9CgAYtVtm11bsYRmgYOGHPWUfALVF+0St
11cJB44Yyroag7E2WTX287RFm1h1bINWJde7YfsFR5uVFBsjgreJIXYCpEOId6l
4iZLeeTawUoc21MT9aNEQQKBgFak9hntYydbjPbiuNjHRBhtge7/cb5n3hvkVkB
rVCWuPDbm5DyRbV/nsM7yErYkvHPUEngCp/EK7vtGqz3NpBRR91ccQkARpo+HBxnu
unh1ctc8MxgwfmdDwy41o/kdvNcm6Fynseyog17vGw601wjbhDFg2JYf0SKItZVH
Ove5AoGAb1b2xwYlgBqKhR01wGPQrnw/qu1b00cDDf/0E2HwXUkEk0RVnMtwmS6H
/4VviyXLR0QoDaowm/Za6ocVsUGbq3od7C4x1H+LzILD1k0FK0HQrmbyRVmenEGd
hUZQ2M3Nvv37qfgkh0se0e/mtJROVpcrZs15R8xu3SHAHTqE0ay=
-----END RSA PRIVATE KEY-----
[root@node03 ~]#
```



 Jenkins

Dashboard > 凭据 > 系统 > 全局凭据 (unrestricted) >

Back to credential domains

Add Credentials

Kind

SSH Username with private key

Scope ?

全局 (Jenkins, nodes, items, all child items, etc)

ID ?

Description ?

Username

node3-jenkins-privatekey

☐ Treat username as secret ?

Private Key


☒ Enter directly

Key

-----BEGIN RSA PRIVATE KEY-----  
MIIIEoQIBAAKCAQEAseuMFv3wAoIdFWDoFcSD+Gahdkr/7iviXgddDkCgCpVfhwJ1  
V3UP08fX0d9z9OyfaXPZkYvXvoevAeDLOIHPdtOzmrXVHDhnbicMSEqNrA+gqZxo

Passphrase

OK

 Jenkins




Dashboard > 凭据 > 系统 > 全局凭据 (unrestricted) >

Back to credential domains

Add Credentials

全局凭据 (unrestricted)

Credentials that should be available irrespective of domain specification to requirements matching.

ID	Name	Kind	Description
 yk-github20221111	frankyangkun/***** (我的github)	Username with password	我的github
 yk-gitee	776503267@qq.com/***** (我的gitee)	Username with password	我的gitee
 ffc9a2b-5b01-4ff7-93db-c4e805083471	node3-jenkins-privatekey (node3-jenkins-privatekey)	SSH Username with private key	node3-jenkins-privatekey

可是还是不行：反正之前的最开始gitee确实没这么配置过，只是gitlab这样配过

General Build Triggers Advanced Project Options **Pipeline**

Definition

Pipeline script from SCM

SCM ?

Git

Repositories ?

Repository URL ?

https://gitee.com/frankyang1988/jenkinslib.git

Failed to connect to repository: Command "git ls-remote -h -- https://gitee.com/frankyang1988/jenkinslib.git HEAD" returned status code 128:  
 stdout:  
 stderr: remote: +[31m[session-cd43968f] Username for 'https://gitee.com/frankyang1988/jenkinslib.git': [0m  
 fatal: Authentication failed for 'https://gitee.com/frankyang1988/jenkinslib.git/'

Credentials ?

node3-jenkins-privatekey (node3-jenkins-privatekey) Add

删掉gitee上的公钥

补充：关键在于jenkinsfile中checkout时的CredentialId参数  
 （gitlab用的是私钥，gitee只能用账号密码）

应该是这里的问题：CredentialId

```
[Pipeline] echo
[Pipeline] }

[Pipeline] // ansiColor
[Pipeline] echo
setProjectName按/分割结果gitlab: [https:, , gitee.com, frankyang1988, 044-springboot-dubbo-ssm-parent.git]
[Pipeline] echo
项目名称: 044-springboot-dubbo-ssm-parent.git
[Pipeline] checkout
The recommended git tool is: NONE
Warning: CredentialId "fdif2048-303b-42a2-8328-9e570693de47f" could not be found.
> git rev-parse --resolve-git-dir /bitnami/jenkins/home/workspace/microservice-demo-20221111/044-springboot-dubbo-ssm-parent.git/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://gitee.com/frankyang1988/044-springboot-dubbo-ssm-parent.git # timeout=10
Fetching upstream changes from https://gitee.com/frankyang1988/044-springboot-dubbo-ssm-parent.git
> git --version # timeout=10
> git --version # 'git version 2.36.1'
> git fetch --tags --force --progress -- https://gitee.com/frankyang1988/044-springboot-dubbo-ssm-parent.git --refs/heads/*:refs/remotes/origin/*
ERROR: Error fetching remote repo 'origin'
hudson.plugins.git.GitException: Failed to fetch from https://gitee.com/frankyang1988/044-springboot-dubbo-ssm-parent.git
    at hudson.plugins.git.GitSCM.fetchFrom(GitSCM.java:1003)
    at hudson.plugins.git.GitSCM.retrieveChanges(GitSCM.java:1244)
    at hudson.plugins.git.GitSCM.checkout(GitSCM.java:1308)
    at org.jenkinsci.plugins.workflow.steps.scm.SCMStep.checkout(SCMStep.java:129)
    at org.jenkinsci.plugins.workflow.steps.scm.SCMStep$StepExecutionImpl.run(SCMStep.java:97)
    at org.jenkinsci.plugins.workflow.steps.scm.SCMStep$StepExecutionImpl.run(SCMStep.java:84)
    at org.jenkinsci.plugins.workflow.steps.SynchronousNonBlockingStepExecution.lambda$start$0(SynchronousNonBlockingStepExecution.java:47)
    at java.base/java.util.concurrent.Executors$RunnableAdapter.call(Executors.java:515)
    at java.base/java.util.concurrent.FutureTask.run(FutureTask.java:264)
```

才能获取到值，此时是下载代码，必须使用.git后缀

```
'RelativeTargetDirectory', relativeTargetDir: "${parentName}"]], userRemoteConfigs: [{"credentialsId: 'fd1f2048-303b-42a2-8328-9e57063de47f', url: '${srcUrl_
```

```
RemoteConfigs: [{"credentialsId: 'fd1f2048-303b-42a2-8328-9e57063de47f', url: '${srcUrl_interface}'}]]]  
'RelativeTargetDirectory', relativeTargetDir: "${interfaceName}"]], userRemoteConfigs: [{"credentialsId: 'fd1f2048-303b-42a2-8328-9e57063de47f', url: '${srcU
```

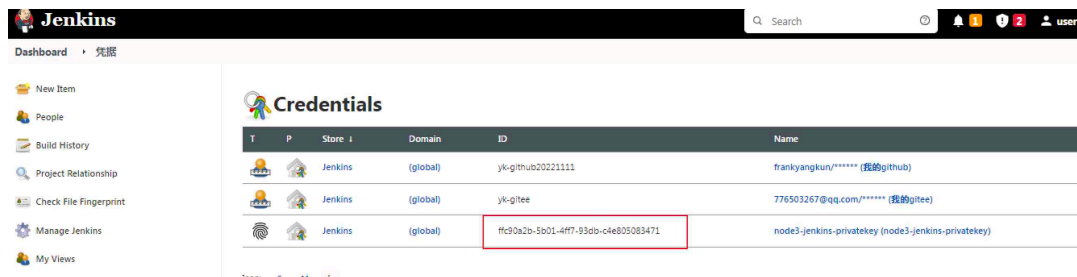
.t后缀)

```
RemoteConfigs: [{"credentialsId: 'fd1f2048-303b-42a2-8328-9e57063de47f', url: '${srcUrl_provider}'}]]]  
'RelativeTargetDirectory', relativeTargetDir: "${providerName}"]], userRemoteConfigs: [{"credentialsId: 'fd1f2048-303b-42a2-8328-9e57063de47f', url: '${srcUr
```

据)

```
RemoteConfigs: [{"credentialsId: 'fd1f2048-303b-42a2-8328-9e57063de47f', url: '${srcUrl_consumer}'}]]]
```

根据之前的笔记，这个id是jenkins配置的私钥：因为我的jenkins重新部署了，凭据全没了，所以才会报上面的错误，现在是这个



修改jenkinsfile：

```
>dir: "${parentName}"]], userRemoteConfigs: [{"credentialsId: 'ffc90a2b-5b01-4ff7-93db-c4e805083471', url: '${srcUrl_parent}'}]]]
```

```
-303b-42a2-8328-9e57063de47f', url: '${srcUrl_interface}'}]]]  
>dir: "${interfaceName}"]], userRemoteConfigs: [{"credentialsId: 'ffc90a2b-5b01-4ff7-93db-c4e805083471', url: '${srcUrl_interfa
```

```
-303b-42a2-8328-9e57063de47f', url: '${srcUrl_provider}'}]]]  
>dir: "${providerName}"]], userRemoteConfigs: [{"credentialsId: 'ffc90a2b-5b01-4ff7-93db-c4e805083471', url: '${srcUrl_provider}
```

```
-303b-42a2-8328-9e57063de47f', url: '${srcUrl_consumer}'}]]]  
>dir: "${consumerName}"]], userRemoteConfigs: [{"credentialsId: 'ffc90a2b-5b01-4ff7-93db-c4e805083471', url: '${srcUrl_consumer}
```

gittee上的公钥还是要加上：



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消息中心

我的消息

通知设置

基本设置

帐号管理

个人资料

邮箱管理

我的邮递地址

代码风格

仓库首选项

安全设置

SSH公钥

GPG公钥 Beta

### SSH公钥

使用SSH公钥可以让你在你的电脑和 Gitee 通讯的时候使用安全连接（Git的Remote要使用SSH地址）

您当前的SSH公钥数: 0

你还没有添加任何SSH公钥

添加公钥

标题

node3\_jenkins

公钥

把你的公钥粘贴到这里。查看 怎样生成公钥

ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQCAx64wW/fACjV09YQh9xlP4ZqE2Sy/uK+ JeB10OQKAKIV+HAnVxdQ/Tx9fR33P07J+xc9mRi9e+h68B4Ms4gc9207OavFucOGduKgzSo2sD6CpnGjSFIUAXMBqC92AovaONw1heidzAWZeJTBhzyUSgfyACI/hbQKJlaUWylUuK4uwU24VaGaVikevpjNdvIKNb0FaiFlwuXdf4fNts22y7l7omFsZ/r83Nr270VG94cJiKicwIzbreGdd2YQSqlYEEwdPXZGvrxjiUWRRC6BxCMTHZpi9pc/355pzc7p8GwNrBgMq6ehtf/yP9aAUPxTUEF90nkNmKzFF4Q4f root@node03

确定

但是pipeline这里不能用它，这个私钥是给jenkinsfile里checkout代码时用的

General Build Triggers Advanced Project Options Pipeline

Definition

Pipeline script from SCM

SCM ?

Git

Repositories ?

Repository URL ?

https://gitee.com/frankyang1988/jenkinslib.git

Failed to connect to repository : Command "git ls-remote -h -- https://gitee.com/frankyang1988/jenkinslib.git HEAD" returned status code 128:  
stdout:  
stderr: remote: +[31m[session-9c4cddb3] Username for 'https: Incorrect username or password (access token)+[0m  
fatal: Authentication failed for 'https://gitee.com/frankyang1988/jenkinslib.git/'

Credentials ?

node3-jenkins-privatekey (node3-jenkins-privatekey)

Add

还是要用gitee的账号密码：

General
Build Triggers
Advanced Project Options
Pipeline

Definition

Pipeline script from SCM

SCM ?

Git

Repositories ?

Repository URL ?

https://gitee.com/frankyang1988/jenkinslib.git

Credentials ?

776503267@qq.com/\*\*\*\*\* (我的gitee)

Add

Add Repository

为什么还是不对：

```
[Pipeline] echo
[Pipeline] // ...
[Pipeline] }

[Pipeline] // ansiColor
[Pipeline] echo
getProjectName按/分割结果gitlab: [https:, , gitee.com, frankyang1988, 044-springboot-dubbo-ssm-parent.git]
[Pipeline] echo
项目名称: 044-springboot-dubbo-ssm-parent.git
[Pipeline] checkout
The recommended git tool is: NONE
using credential ffc90a2b-5b01-4fff-99db-c4e803083471
> git rev-parse --resolve-git-dir /bitnami/jenkins/Home/workspace/microservice-demo-20221111/044-springboot-dubbo-ssm-parent.git/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://gitee.com/frankyang1988/044-springboot-dubbo-ssm-parent.git # timeout=10
Fetching upstream changes from https://gitee.com/frankyang1988/044-springboot-dubbo-ssm-parent.git
> git --version # timeout=10
> git --version # 'git version 2.36.1'
using GIT_SSH to set credentials node3-jenkins-privatekey
> git fetch --tags --force --progress -- https://gitee.com/frankyang1988/044-springboot-dubbo-ssm-parent.git +refs/heads/*:refs/remotes/origin/* # timeout=10
ERROR: Error fetching remote repo 'origin'
hudson.plugins.git.GitException: Failed to fetch from https://gitee.com/frankyang1988/044-springboot-dubbo-ssm-parent.git
    at hudson.plugins.git.GitSCM.fetchFrom(GitSCM.java:1003)
    at hudson.plugins.git.GitSCM.retrieveChanges(GitSCM.java:1244)
    at hudson.plugins.git.GitSCM.checkout(GitSCM.java:1308)
    at org.jenkinsci.plugins.workflow.steps.scm.SCMStep.checkout(SCMStep.java:129)
    at org.jenkinsci.plugins.workflow.steps.scm.SCMStep$StepExecutionImpl.run(SCMStep.java:97)
    at org.jenkinsci.plugins.workflow.steps.scm.SCMStep$StepExecutionImpl.run(SCMStep.java:84)
    at org.jenkinsci.plugins.workflow.steps.SynchronousNonBlockingStepExecution.lambda$setStart$0(SynchronousNonBlockingStepExecution.java:47)
    at java.base/java.util.concurrent.Executors$RunnableAdapter.call(Executors.java:515)
    at java.base/java.util.concurrent.FutureTask.run(FutureTask.java:264)
    at java.base/java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1128)
    at java.base/java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:628)
    at java.base/java.lang.Thread.run(Thread.java:829)
Caused by: hudson.plugins.git.GitException: Command 'git fetch --tags --force --progress -- https://gitee.com/frankyang1988/044-springboot-dubbo-ssm-parent.git +refs/heads/*:refs/remotes/origin/*' returned status code 128:
stdout:
stderr: remote: ~[3m[session-e548b69d] Username for 'https: Incorrect username or password (access token)-[0m
fatal: Authentication failed for 'https://gitee.com/frankyang1988/044-springboot-dubbo-ssm-parent.git/'

    at org.jenkinsci.plugins.gitclient.CliGitAPIImpl.launchCommandIn(CliGitAPIImpl.java:2671)
```

换成另一个凭据：就是gitee本身的账号密码

## Credentials

T	P	Store	Domain	ID	Name
		Jenkins	(global)	yk-github20221111	frankyangkun/***** (我的github)
		Jenkins	(global)	yk-gitee	776503267@qq.com/***** (我的gitee)
		Jenkins	(global)	ffc90a2b-5b01-4ff7-93db-c4e805083471	node3-jenkins-privatekey (node3-jenkins-privatekey)

```
r: "${parentName}" ]], userRemoteConfigs: [[credentialsId: 'yk-gitee', url: '${srcUrl_parent}']]])
```

```
03b-42a2-8328-9e57063de47f', url: '${srcUrl_interface}']]])  
r: "${interfaceName}" ]], userRemoteConfigs: [[credentialsId: 'yk-gitee', url: '${srcUrl_interface}']]])
```

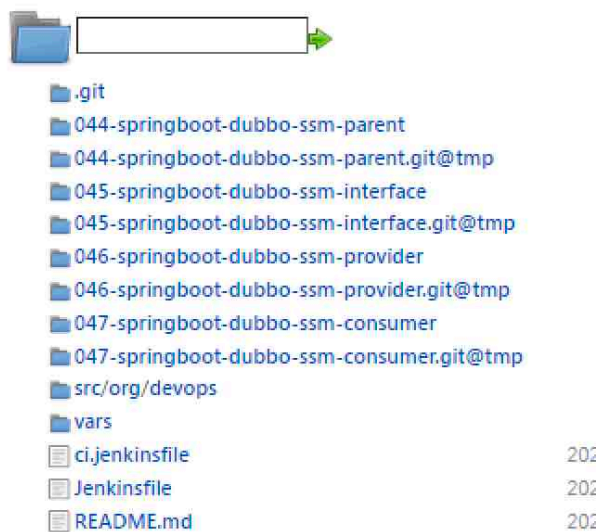
```
03b-42a2-8328-9e57063de47f', url: '${srcUrl_provider}']]])  
r: "${providerName}" ]], userRemoteConfigs: [[credentialsId: 'yk-gitee', url: '${srcUrl_provider}']]])
```

```
03b-42a2-8328-9e57063de47f', url: '${srcUrl_consumer}']]])  
r: "${consumerName}" ]], userRemoteConfigs: [[credentialsId: 'yk-gitee', url: '${srcUrl_consumer}']]])
```

终于可以了：



## Workspace



这里就要总结一下了，和之前不一样了，私钥的用法不适用于gitee，之前gitlab是用的私钥方案，要特别注意。

补充：换成gitee后，jenkinsfile需要修改的地方

```
11 //不一定非要commit操作才能触发，手动执行也可触发
12 def runOpts
13 //换成gitee时，无法获取gitlab的webhook中的projectId，和commitSha，定义一个空的测试用
14 def projectId
15 def commitSha
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由于我资源的不足，所以必须把k8s的gitlab先卸载，换成soarqube，等测试通过后，集成到jenkins，jenkinsfile写好，然后把sonarqube的内容注释掉，再把gitlab换回来，再加上容器部署的内容。保证jenkins流程的完整，jenkinsfile内容的完整。

由于jenkins重新部署过，第一次编译比较耗时：

## Pipeline microservice-demo-20221111



### Stage View



### Workspace

046-springboot-dubbo-ssm-provider / target /

- classes
- generated-sources/annotations
- generated-test-sources/test-annotations
- maven-archiver
- maven-status/maven-compiler-plugin
- surefire-reports
- test-classes/com/frank/springboot
- 046-springboot-dubbo-ssm-provider-v1.0.jar 2022年11月14日 上午2:23:02 42.52 MB view
- 046-springboot-dubbo-ssm-provider-v1.0.jar.original 2022年11月14日 上午2:22:09 13.13 KB view

(all files in zip)

## Workspace

 047-springboot-dubbo-ssm-consumer / target /

-  classes
-  docker
-  generated-sources/annotations
-  generated-test-sources/test-annotations
-  maven-archiver
-  maven-status/maven-compiler-plugin
-  surefire-reports
-  test-classes

 047-springboot-dubbo-ssm-consumer-1.0-SNAPSHOT.jar	2022年11月14日 上午2:23:47	30.07 MB  <a href="#">view</a>
 047-springboot-dubbo-ssm-consumer-1.0-SNAPSHOT.jar.original	2022年11月14日 上午2:23:44	13.03 KB  <a href="#">view</a>

 (all files in zip)