# Centos安装gitlab

# 安装基础环境：略

一、install gitlab  
1、优化系统  
systemctl stop firewalld.service  
systemctl disable firewalld  
sed -i 's/SELINUX=enforcing/SELINUX=disabled/g' /etc/sysconfig/selinux<br>setenforce 0  
hostnamectl set-hostname gitlab  
hostname gitlab  
exit

2、安装repo  
wget http://dl.fedoraproject.org/pub/epel/epel-release-latest-7.noarch.rpm  
rpm -ivh epel-release-latest-7.noarch.rpm  
yum clean all  
yum makecache

3、安装依赖包  
yum install curl policycoreutils openssh-server openssh-clients postfix -y

#启动postfix  
[root@gitlab ~]# systemctl start postfix  
[root@gitlab ~]# systemctl status postfix  
● postfix.service - Postfix Mail Transport Agent  
Loaded: loaded (/usr/lib/systemd/system/postfix.service; enabled; vendor preset: disabled)  
Active: active (running) since Wed 2019-05-08 23:17:09 CST; 7min ago  
Main PID: 9637 (master)  
CGroup: /system.slice/postfix.service  
├─9637 /usr/libexec/postfix/master -w  
├─9638 pickup -l -t unix -u  
└─9639 qmgr -l -t unix -u

May 08 23:17:08 template.com systemd[1]: Starting Postfix Mail Transport Agent...  
May 08 23:17:09 template.com postfix/postfix-script[9635]: starting the Postfix mail system  
May 08 23:17:09 template.com postfix/master[9637]: daemon started -- version 2.10.1, configurati...fix  
May 08 23:17:09 template.com systemd[1]: Started Postfix Mail Transport Agent.  
Hint: Some lines were ellipsized, use -l to show in full.

#安装依赖包  
curl -sS https://packages.gitlab.com/install/repositories/gitlab/gitlab-ce/script.rpm.sh | bash

#配置gitlab源  
[root@gitlab ~]# cat /etc/yum.repos.d/gitlab-ce.repo  
[gitlab-ce]  
name=gitlab-ce  
baseurl=http://mirrors.tuna.tsinghua.edu.cn/gitlab-ce/yum/el7  
repo\_gpgcheck=0  
gpgcheck=0  
enabled=1  
gpgkey=https://packages.gitlab.com/gpg.key

[root@gitlab ~]# yum makecache

yum install gitlab-ce -y

版本号：  
gitlab-ce.x86\_64 0:11.10.4-ce.0.el7

4、安装git  
[root@gitlab ~]# yum install git -y

#修改配置文件  
[root@gitlab ~]# vi /etc/gitlab/gitlab.rb  
external\_url 'http://gitlab.example.com' 改成：external\_url 'http://gitlab.nulige.com'

#配置域名解析  
echo "192.168.56.32 gitlab.nulige.com" >>/etc/hosts

#查看解析  
[root@gitlab ~]# tail -1 /etc/hosts  
192.168.56.32 gitlab.nulige.com

#初始化  
[root@node1 ~]# gitlab-ctl reconfigure  
时间可能比较长,请你耐心等待即可!

#gitlab命令  
关闭：gitlab-ctl stop  
启动：gitlab-ctl start  
重启：gitlab-ctl restart  
状态：gitlab-ctl status

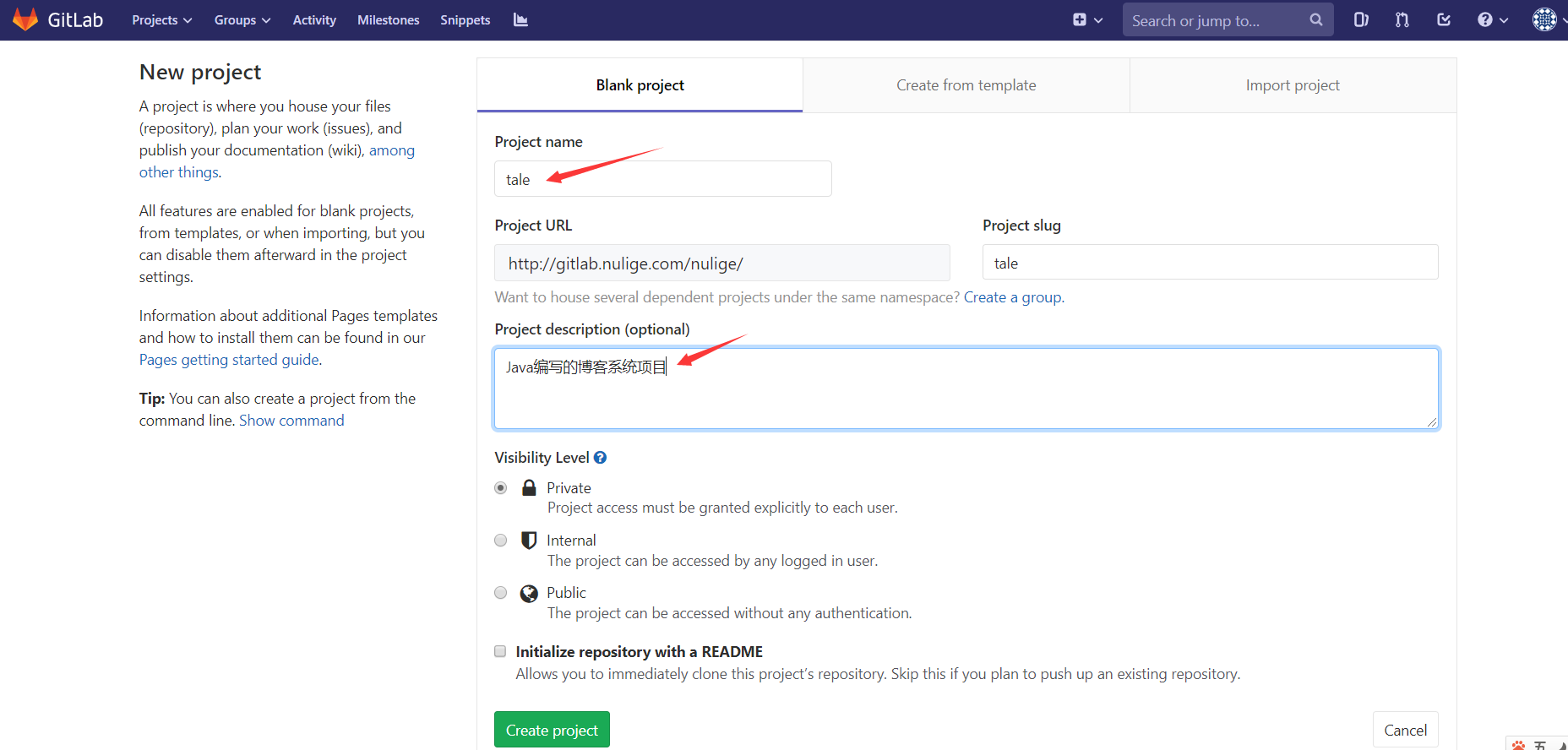
#在windows本地配置域名解析  
C:\Windows\System32\drivers\etc\hosts  
192.168.56.32 gitlab.nulige.com

#登录网站  
http://gitlab.nulige.com  
username: root  
password: xxxxxxxx

#注册普通用户  
username: nulige  
password: xxxxxxxx

用户普通用户登录gitlab

#创建一个项目名称为：tale的项目



#下载java编写的tale博客户系统项目  
网站地址：https://github.com/otale/tale

[root@gitlab ~]# mkdir -p /nulige/tools  
[root@gitlab ~]# cd /nulige/tools/  
[root@gitlab tools]# ll  
total 0  
[root@gitlab tools]# git clone https://github.com/otale/tale.git

#上传tale.zip包

[root@gitlab tools]# sz  
total 6072  
-rw-r--r-- 1 root root 6214452 May 9 00:10 tale-master.zip

#解压

[root@gitlab tools]# yum install unzip -y

[root@gitlab tools]# unzip tale-master.zip

[root@gitlab tools]# cd tale-master  
[root@gitlab tale-master]# ll  
total 28  
drwxr-xr-x 2 root root 18 Dec 27 20:04 bin  
-rw-r--r-- 1 root root 659 Dec 27 20:04 install.sh  
-rw-r--r-- 1 root root 1073 Dec 27 20:04 LICENSE  
-rw-r--r-- 1 root root 1453 Dec 27 20:04 package.xml  
-rw-r--r-- 1 root root 7446 Dec 27 20:04 pom.xml  
-rw-r--r-- 1 root root 2825 Dec 27 20:04 README.md  
-rw-r--r-- 1 root root 2691 Dec 27 20:04 README\_ZH.md  
drwxr-xr-x 4 root root 30 Dec 27 20:04 src  
[root@gitlab tale-master]# cd

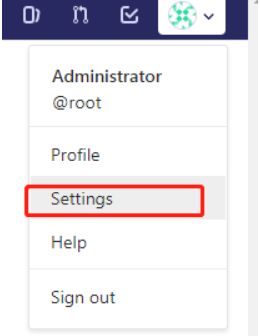
#添加ssh-key认证

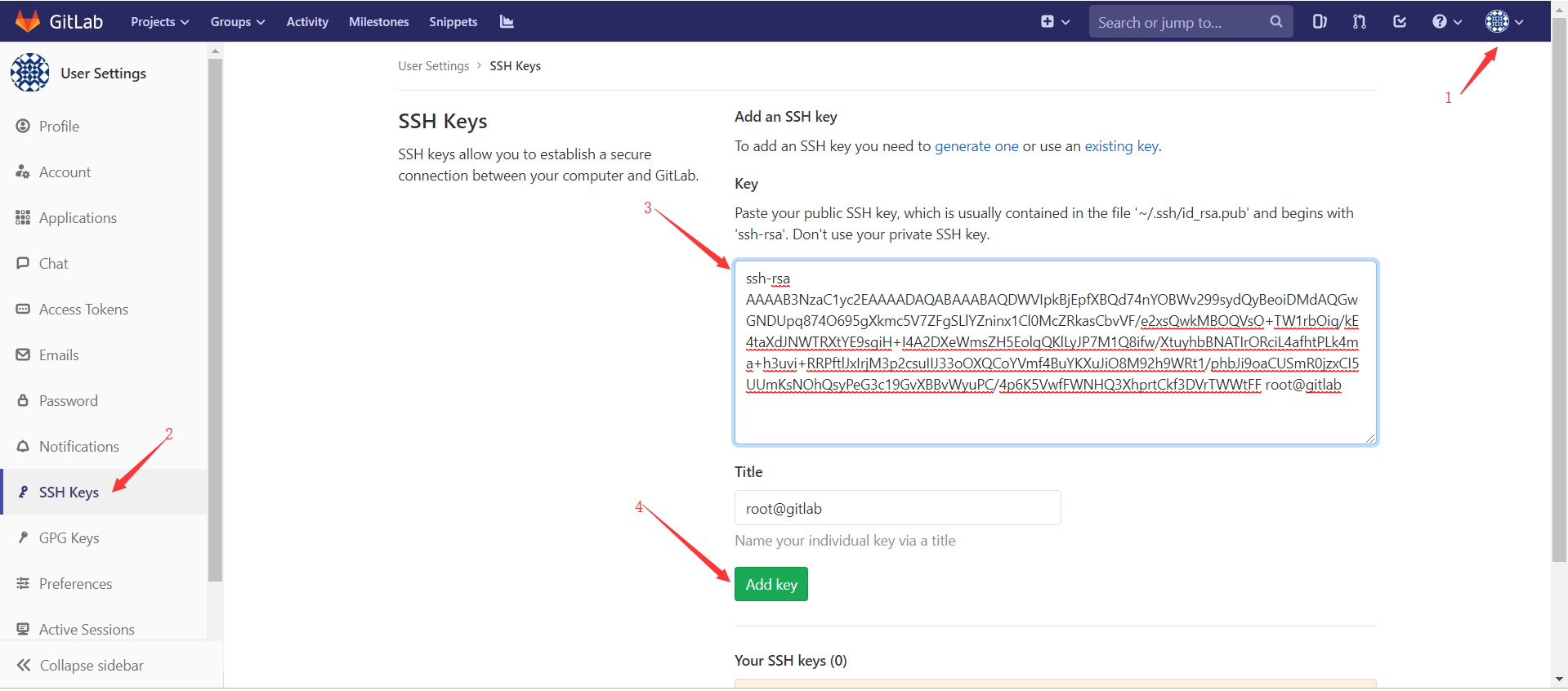
[root@gitlab ~]# ssh-keygen  
Generating public/private rsa key pair.  
Enter file in which to save the key (/root/.ssh/id\_rsa):  
Created directory '/root/.ssh'.  
Enter passphrase (empty for no passphrase):  
Enter same passphrase again:  
Your identification has been saved in /root/.ssh/id\_rsa.  
Your public key has been saved in /root/.ssh/id\_rsa.pub.  
The key fingerprint is:  
SHA256:DSzUvZE5dxozZw+pr+Ke4rqNf3tgmIQEA43n8P2SYb4 root@gitlab  
The key's randomart image is:  
+---[RSA 2048]----+  
| .+o... . o . |  
| o oo... \* = \* |  
| = o..o = X o |  
| o =..o. o .|  
| o =So. . |  
| + + o . |  
| o . . . |  
| Eo. o.o |  
| +=+==+ |  
+----[SHA256]-----+  
[root@gitlab ~]#  
[root@gitlab ~]#  
[root@gitlab ~]# cd .ssh/  
[root@gitlab .ssh]# ll  
total 8  
-rw------- 1 root root 1675 May 9 00:13 id\_rsa  
-rw-r--r-- 1 root root 393 May 9 00:13 id\_rsa.pub

#查看公钥

[root@gitlab .ssh]# cat id\_rsa.pub  
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAQDWVIpkBjEpfXBQd74nYOBWv299sydQyBeoiDMdAQGwGNDUpq874O695gXkmc5V7ZFgSLlYZninx1Cl0McZRkasCbvVF/e2xsQwkMBOQVsO+TW1rbOiq/kE4taXdJNWTRXtYE9sgiH+I4A2DXeWmsZH5EolgQKlLyJP7M1Q8ifw/XtuyhbBNATIrORciL4afhtPLk4ma+h3uvi+RRPftlJxIrjM3p2csuIIJ33oOXQCoYVmf4BuYKXuJiO8M92h9WRt1/phbJi9oaCUSmR0jzxCI5UUmKsNOhQsyPeG3c19GvXBBvWyuPC/4p6K5VwfFWNHQ3XhprtCkf3DVrTWWtFF root@gitlab

#在gitlab上面添加key





#上传项目

#添加账号  
[root@gitlab tale-master]# git config --global user.name "nulige"  
[root@gitlab tale-master]# git config --global user.email "1034611705@qq.com"

[root@gitlab ~]# cd /nulige/tools/  
[root@gitlab tools]# ll  
total 6072  
drwxr-xr-x 5 root root 206 Dec 27 20:04 tale-master  
-rw-r--r-- 1 root root 6214452 May 9 00:10 tale-master.zip

[root@gitlab tools]# cd tale-master

[root@gitlab tale-master]# git init

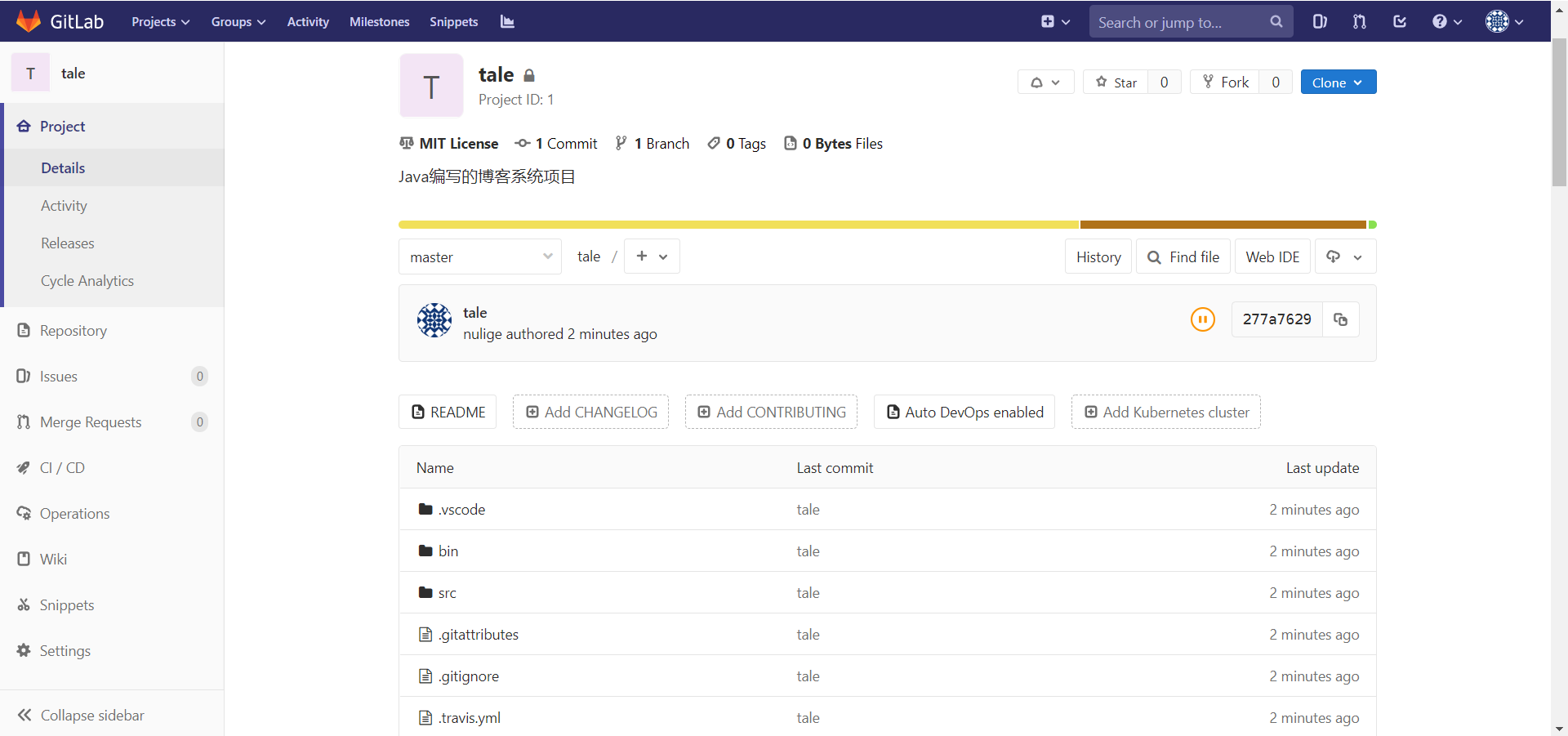
Initialized empty Git repository in /nulige/tools/tale-master/.git/

[root@gitlab tale-master]# git remote add origin git@gitlab.nulige.com:nulige/tale.git

[root@gitlab tale-master]# git add .

[root@gitlab tale-master]# git commit -m "tale"  
[master (root-commit) 277a762] tale  
254 files changed, 52718 insertions(+)  
create mode 100644 .gitattributes  
create mode 100644 .gitignore  
create mode 100644 .travis.yml  
省略部分....  
  
[root@gitlab tale-master]# git push -u origin master  
The authenticity of host 'gitlab.nulige.com (192.168.56.32)' can't be established.  
ECDSA key fingerprint is SHA256:y7PlvfvoJqD3HS85DXmRno+mth9M0PYS1OcOlj4uoSY.  
ECDSA key fingerprint is MD5:ad:a2:3f:48:5e:8f:49:56:93:d1:82:c7:e6:e0:64:94.  
Are you sure you want to continue connecting (yes/no)? yes  
Warning: Permanently added 'gitlab.nulige.com,192.168.56.32' (ECDSA) to the list of known hosts.  
Counting objects: 358, done.  
Delta compression using up to 2 threads.  
Compressing objects: 100% (308/308), done.  
Writing objects: 100% (358/358), 5.23 MiB | 0 bytes/s, done.  
Total 358 (delta 38), reused 0 (delta 0)  
remote: Resolving deltas: 100% (38/38), done.  
To git@gitlab.nulige.com:nulige/tale.git  
\* [new branch] master -> master  
Branch master set up to track remote branch master from origin.

执行结果：



#参考网址

<https://blog.51cto.com/12832314/2140284>

<https://blog.51cto.com/12480612/2176720>

Q1:

There was an error running gitlab-ctl reconfigure:

ruby\_block[authorize Grafana with GitLab] (monitoring::grafana line 95) had an error: Mixlib::ShellOut::CommandTimeout: Command timed out after 600s:

Command exceeded allowed execution time, process terminated

---- Begin output of /opt/gitlab/bin/gitlab-rails runner -e production 'app = Doorkeeper::Application.where(redirect\_uri: "http://gitlab.nulige.com/-/grafana/login/gitlab", name: "GitLab Grafana").first\_or\_create;puts app.uid.concat(" ").concat(app.secret);' ----

STDOUT:

STDERR:

---- End output of /opt/gitlab/bin/gitlab-rails runner -e production 'app = Doorkeeper::Application.where(redirect\_uri: "http://gitlab.nulige.com/-/grafana/login/gitlab", name: "GitLab Grafana").first\_or\_create;puts app.uid.concat(" ").concat(app.secret);' ----

Ran /opt/gitlab/bin/gitlab-rails runner -e production 'app = Doorkeeper::Application.where(redirect\_uri: "http://gitlab.nulige.com/-/grafana/login/gitlab", name: "GitLab Grafana").first\_or\_create;puts app.uid.concat(" ").concat(app.secret);' returned

## Gitlab安装异常

\* ruby\_block[authorize Grafana with GitLab] action run

Error executing action `run` on resource 'ruby\_block[authorize Grafana with GitLab]'

Mixlib::ShellOut::CommandTimeout

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Command timed out after 600s:

Command exceeded allowed execution time, process terminated

---- Begin output of /opt/gitlab/bin/gitlab-rails runner -e production 'app = Doorkeeper::Application.where(redirect\_uri: "http://gitlab.nulige.com/-/grafana/login/gitlab", name: "GitLab Grafana").first\_or\_create;puts app.uid.concat(" ").concat(app.secret);' ----

STDOUT:

STDERR:

---- End output of /opt/gitlab/bin/gitlab-rails runner -e production 'app = Doorkeeper::Application.where(redirect\_uri: "http://gitlab.nulige.com/-/grafana/login/gitlab", name: "GitLab Grafana").first\_or\_create;puts app.uid.concat(" ").concat(app.secret);' ----

Ran /opt/gitlab/bin/gitlab-rails runner -e production 'app = Doorkeeper::Application.where(redirect\_uri: "http://gitlab.nulige.com/-/grafana/login/gitlab", name: "GitLab Grafana").first\_or\_create;puts app.uid.concat(" ").concat(app.secret);' returned

Cookbook Trace:

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/opt/gitlab/embedded/cookbooks/cache/cookbooks/package/libraries/helpers/shell\_out\_helper.rb:6:in `do\_shell\_out'

/opt/gitlab/embedded/cookbooks/cache/cookbooks/gitlab/libraries/helpers/authorizer\_helper.rb:6:in `query\_gitlab\_rails'

/opt/gitlab/embedded/cookbooks/cache/cookbooks/gitlab/libraries/helpers/grafana\_helper.rb:12:in `authorize\_with\_gitlab'

/opt/gitlab/embedded/cookbooks/cache/cookbooks/monitoring/recipes/grafana.rb:97:in `block (2 levels) in from\_file'

Resource Declaration:

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# In /opt/gitlab/embedded/cookbooks/cache/cookbooks/monitoring/recipes/grafana.rb

95: ruby\_block "authorize Grafana with GitLab" do

96: block do

97: GrafanaHelper.authorize\_with\_gitlab(external\_url)

98: end

99: # Try connecting to GitLab only if it is enabled and on this node

100: only\_if { node['gitlab']['gitlab-rails']['enable'] }

101: end

102: end

Compiled Resource:

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# Declared in /opt/gitlab/embedded/cookbooks/cache/cookbooks/monitoring/recipes/grafana.rb:95:in `from\_file'

ruby\_block("authorize Grafana with GitLab") do

action [:run]

default\_guard\_interpreter :default

declared\_type :ruby\_block

cookbook\_name "monitoring"

recipe\_name "grafana"

block #<Proc:0x0000000004c6f080 /opt/gitlab/embedded/cookbooks/cache/cookbooks/monitoring/recipes/grafana.rb:96>

block\_name "authorize Grafana with GitLab"

only\_if { #code block }

end

System Info:

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chef\_version=15.14.0

platform=centos

platform\_version=7.9.2009

ruby=ruby 2.7.2p137 (2020-10-01 revision 5445e04352) [x86\_64-linux]

program\_name=/opt/gitlab/embedded/bin/chef-client

executable=/opt/gitlab/embedded/bin/chef-client

Running handlers:

There was an error running gitlab-ctl reconfigure:

ruby\_block[authorize Grafana with GitLab] (monitoring::grafana line 95) had an error: Mixlib::ShellOut::CommandTimeout: Command timed out after 600s:

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---- Begin output of /opt/gitlab/bin/gitlab-rails runner -e production 'app = Doorkeeper::Application.where(redirect\_uri: "http://gitlab.nulige.com/-/grafana/login/gitlab", name: "GitLab Grafana").first\_or\_create;puts app.uid.concat(" ").concat(app.secret);' ----

STDOUT:

STDERR:

---- End output of /opt/gitlab/bin/gitlab-rails runner -e production 'app = Doorkeeper::Application.where(redirect\_uri: "http://gitlab.nulige.com/-/grafana/login/gitlab", name: "GitLab Grafana").first\_or\_create;puts app.uid.concat(" ").concat(app.secret);' ----

Ran /opt/gitlab/bin/gitlab-rails runner -e production 'app = Doorkeeper::Application.where(redirect\_uri: "http://gitlab.nulige.com/-/grafana/login/gitlab", name: "GitLab Grafana").first\_or\_create;puts app.uid.concat(" ").concat(app.secret);' returned

Deprecations:

\* sidekiq\_cluster['experimental\_queue\_selector'] has been deprecated since 13.6 and will be removed in 14.0. The experimental\_queue\_selector option is now called queue\_selector.

Running handlers complete

Chef Infra Client failed. 0 resources updated in 16 minutes 34 seconds

Deprecations:

\* sidekiq\_cluster['experimental\_queue\_selector'] has been deprecated since 13.6 and will be removed in 14.0. The experimental\_queue\_selector option is now called queue\_selector.

## 相关配置修改

vi /opt/gitlab/embedded/service/gitlab-rails/config/gitlab.yml

修改访问IP端口

本地搭建的gitlab 服务器，在 /etc/gitlab/gitlab.rb 中 external\_url 通常是局域网ip的形式。如下所示

external\_url 'http://192.168.1.106:7778'