

持续集成之 Gitlab 安装

前言

Gitlab 是一个利用 Ruby on Rails 开发的开源应用程序，实现一个自托管的 Git 项目仓库，可通过 Web 界面进行访问公开的或者私人的项目 Gitlab 拥有与 Github 类似的功能，能够浏览源代码，管理缺陷和注释。可以管理团队对仓库的访问，他非常易于浏览提交过的版本并提供一个文件历史库。他还提供一个代码片段收集功能可以轻松实现代码复用，便于日后有需要的时候进行查找

搭建流程

1. 基础环境准备

系统信息

```
[root@linux ~]# cat /etc/redhat-release
CentOS Linux release 7.2.1511 (Core)
```

安装基础服务

```
yum install curl policycoreutils openssh-server openssh-clients postfix -y
systemctl start postfix.service
```

2. 安装 Gitlab-ce

方法：

添加源：

```
[root@linux yum.repos.d]# cat /etc/yum.repos.d/gitlab.repo
```

安装过程：

```
yum -y install gitlab-ce
```

3. 配置启动 gitlab

```
gitlab-ctl reconfigure
```

这里需要注意的是，内存给大一点，最少 1 个 G，不然在配置的时候会出现报错，还有就是如果打开界面出现 502，请检查 80 和 8080 端口是否被占用。

使用 gitlab-ctl 管理 gitlab，例如： *查看 gitlab 状态

```
[root@linux yum.repos.d]# gitlab-ctl status
run: gitlab-workhorse: (pid 3181) 18s; run: log: (pid 3070) 49s
run: logrotate: (pid 3089) 42s; run: log: (pid 3088) 42s
run: nginx: (pid 3199) 2s; run: log: (pid 3079) 43s
run: postgresql: (pid 2920) 88s; run: log: (pid 2919) 88s
run: redis: (pid 2837) 94s; run: log: (pid 2836) 94s
```

```
run: sidekiq: (pid 3061) 51s; run: log: (pid 3060) 51s
run: unicorn: (pid 3155) 22s; run: log: (pid 3029) 52s
```

关闭 gitlab

```
gitlab-ctl stop
```

启动服务

```
gitlab-ctl start
```

重启服务

```
gitlab-ctl restart
```

4. 登陆

输入 IP 地址，默认是 root 用户，提示让你输入密码，不能过于简单。 使用 root 用户和刚才创建的密码登录

Please create a password for your new account.

GitLab Community Edition

Open source software to collaborate on code

Manage Git repositories with fine-grained access controls that keep your code secure. Perform code reviews and enhance collaboration with merge requests. Each project can also have an issue tracker and a wiki.

Change your password

New password

Confirm new password

Change your password

Didn't receive a confirmation email? [Request a new one](#)

Already have login and password? [Sign in](#)

5. 新增用户 wuseeger (这里需要注意的就是在创建完以后退出用 wuseeger 用户登录时，第一次需要更改密码)

Admin Area > New User

New user

Account

Name

wuseeger

* required

Username

wuseeger

* required

Email

wuseeger@163.com

* required

Password

Reset link will be generated and sent to the user.

User will be forced to set the password on first sign in.

6. 创建组和项目并管理用户到组

创建组：

Admin Area

OverviewMonitoringMessagesSystem HooksApplicationsAbuse Reports 0

New group

Group path

http://192.168.1.117/ Python组

Description

111

Group avatar

Choose File ... File name...

The maximum file size allowed is 200KB.

Visibility Level ?

☒ Private

The group and its projects can only be viewed by members.

☐ Internal

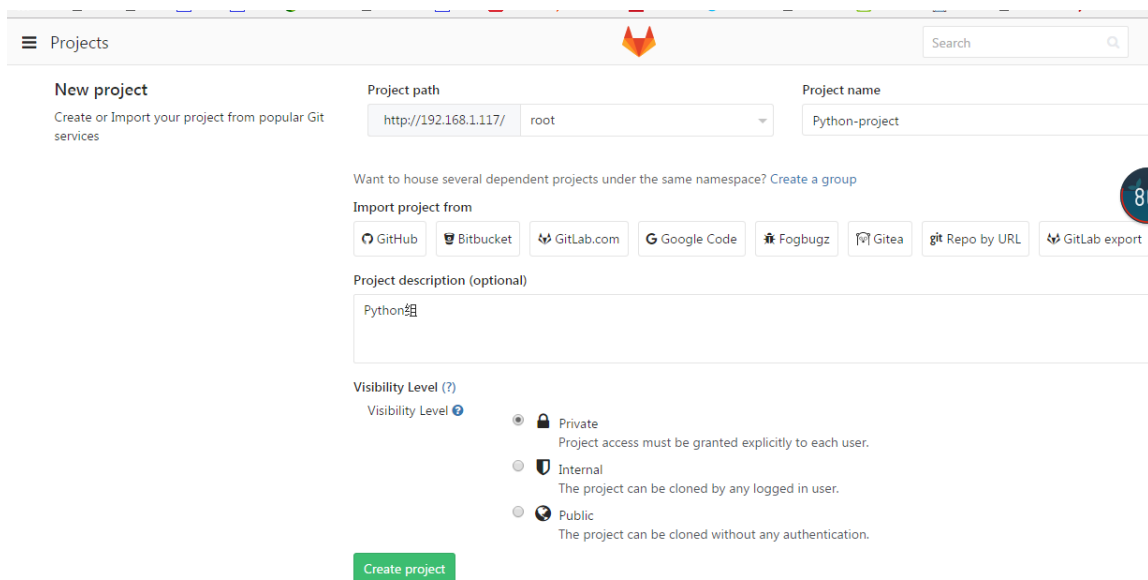
The group and any internal projects can be viewed by any logged in user.

☐ Public

The group and any public projects can be viewed without any authentication.

☐ Allow users to request access

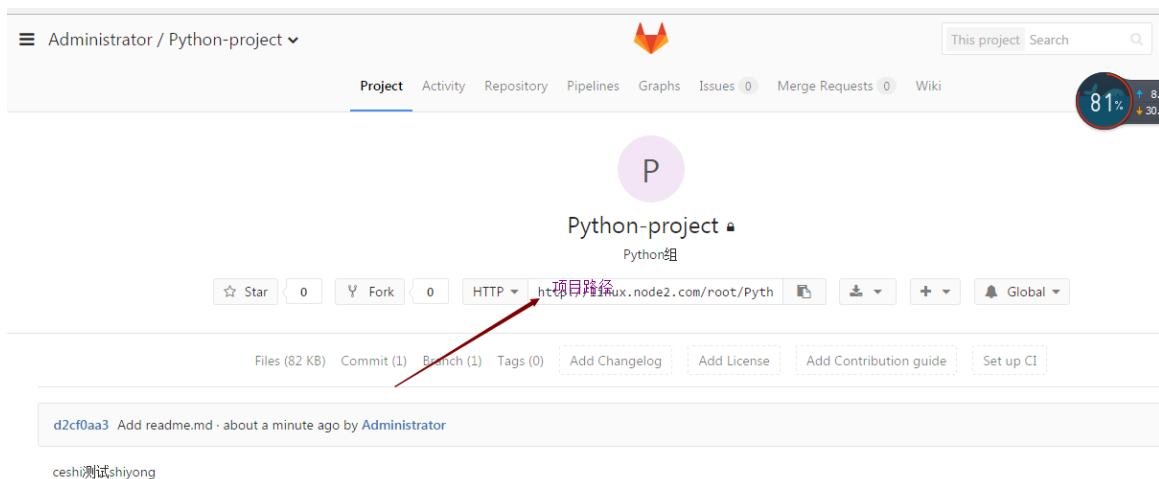
创建项目



The image shows the 'New project' form in GitLab. At the top, there's a 'Projects' header with a search bar. The form is divided into several sections: 'Project path' with a dropdown menu showing 'http://192.168.1.117/' and 'root'; 'Project name' with a text input field containing 'Python-project'; 'Import project from' with buttons for GitHub, Bitbucket, GitLab.com, Google Code, Fogbugz, Gitea, 'git Repo by URL', and 'GitLab export'; 'Project description (optional)' with a text area containing 'Python组'; and 'Visibility Level (?)' with radio buttons for 'Private', 'Internal', and 'Public'. A green 'Create project' button is at the bottom left.

克隆项目到本地

项目路径:



```
[root@linux ~]# mkdir -p /souce/python
[root@linux ~]# cd /souce/python/
[root@linux python]# git clone http://192.168.1.117/root/Python-project.git
Cloning into 'Python-project'...
Username for 'http://192.168.1.117': root
Password for 'http://root@192.168.1.117':
remote: Counting objects: 3, done.
remote: Total 3 (delta 0), reused 0 (delta 0)
Unpacking objects: 100% (3/3), done.
[root@linux python]# ls
Python-project
[root@linux python]# cd Python-project/
[root@linux Python-project]# ls
```

```
README.md
[root@linux Python-project]# cat README.md
ceshi 测试 shiyong[root@linux Python-project]#
```

7. 添加分支，并提交代码

#查看当前位置

```
[root@gitlab-100 Python-project]# ls
```

```
README.md
```

```
[root@gitlab-100 Python-project]# pwd
```

```
/source/python/Python-project
```

#创建分支

```
[root@gitlab-100 Python-project]# git branch dev
```

#切换到本地分支

```
[root@gitlab-100 Python-project]# git checkout dev
```

切换到分支 'dev'

#推送到 gitlab

```
[root@gitlab-100 Python-project]# git push origin dev
```

```
Username for 'http://10.10.20.100': AbelHu
```

```
Password for 'http://AbelHu@192.168.1.116':
```

```
To http://10.10.20.100/python/Python-project.git
```

```
* [new branch]      dev -> dev
```

#推送之前需要做下面操作

```
[root@gitlab-100 Python-project]# git config user.name "wuseeger"
```

```
[root@gitlab-100 Python-project]# git config --global user.email "wuseeger@163.com"
```

```
[root@gitlab-100 Python-project]# git add *
```

```
[root@gitlab-100 Python-project]# git commit -m "de"
```

```
[dev 089dee5] de
```

```
1 file changed, 2 insertions(+), 1 deletion(-)
```

#推到分支 Dev

```
[root@gitlab-100 Python-project]# git push -u origin dev
```

执行完操作会发现在 gitlab 上面多了一个 dev 分支

应用

百度

百度

百度

百度

百度

上网导航

天涯商城

百度

爱淘宝

淘宝特卖

京东商城

网址导航

携程旅游

京东商城

爱淘宝

2345导航

软件下载

Administrator / Python-project

This project Search

Project

Activity

Repository

Pipelines

Graphs

Issues 0

Merge Requests 0

Wiki

Files

Commits

Network

Compare

Branches

Tags

72%

8.5K/s

5.5K/s

dev

Python-project

+ Create Merge Request

Filter by commit message

14 Mar, 2017 2 commits

de

AbelHu committed 2 minutes ago

b98de1cd

Browse

Add readme.md

Administrator committed 15 minutes ago

d2