

GitLab 服务器配置

备份与恢复

1. 创建备份

```
gitlab-rake gitlab:backup:create
```

```
[root@localhost backups]# pwd
/var/opt/gitlab/backups
[root@localhost backups]# ll
总用量 548880
-rw-----. 1 git git 562053120 9月 18 04:00 1568750435_2019_09_18_10.0.0_gitlab_backup.tar
```

如果需要修改备份目录:

```
vim /etc/gitlab/gitlab.rb
```

2. 自动备份

1. vim /etc/crontab
2. 0 4 * * * root /opt/gitlab/bin/gitlab-rake gitlab:backup:create CRON=1
3. systemctl restart crond

3. 保留7天前的备份文件

1. vim /etc/gitlab/gitlab.rb
2. gitlab_rails['backup_keep_time'] = 604800
3. gitlab-ctl reconfigure

4. 数据恢复

ps: 新服务器上的gitlab的版本号必须与创建备份时的gitlab版本号相同。

1. 将该备份文件复制到已经安装好gitlab服务器的/var/opt/gitlab/backups/目录下
2. gitlab-ctl stop unicorn
3. gitlab-ctl stop sidekiq
4. gitlab-rake gitlab:backup:restore BACKUP=1537261122_2018_09_18_9.2.5
5. gitlab-ctl start

修改对外ip

1. cd /opt/gitlab/embedded/service/gitlab-rails/config

```
## GitLab settings
gitlab:
  ## Web server settings (note: host is the FQDN, do not include http://)
  host: 112.2.0.206
  port: 8090
  https: false
```

1. vim /etc/gitlab/gitlab.rb

```
## GitLab URL
##! URL on which GitLab will be reachable.
##! For more details on configuring external_url
##! https://docs.gitlab.com/omnibus/settings/c
external_url 'http://112.2.0.206:8090'
```

```
gitlab-ctl restart
```

进行邮箱通知配置

```
1. vim /etc/gitlab/gitlab.rb
2.
3.
4. gitlab_rails['smtp_enable'] = true
5. gitlab_rails['smtp_address'] = "smtp.qq.com"
6. gitlab_rails['smtp_port'] = 465
7. gitlab_rails['smtp_user_name'] = "gitlab.butel@foxmail.com"
8. gitlab_rails['smtp_password'] = "vrtpfnfqbezrbgdb" # qq授权码
9. gitlab_rails['smtp_domain'] = "smtp.qq.com"
10. gitlab_rails['smtp_authentication'] = "login"
11. gitlab_rails['smtp_enable_starttls_auto'] = true
12. gitlab_rails['smtp_tls'] = true
13. gitlab_rails['gitlab_email_from'] = "gitlab.butel@foxmail.com" #和smtp_user_name一致
14. gitlab_rails['gitlab_email_enabled'] = true
15.
16. 测试:
17. gitlab-ctl reconfigure
18. gitlab-rails console
19. Notify.test_email('zhangxl@butel.com', 'test', 'test body').deliver_now
```

同步系统时间

1. 修改系统时间

```
1. yum -y install ntp ntpdate
2. ntpdate cn.pool.ntp.org
3. hwclock --systohc
```

2. 修改gitlab时区

```
1. vim /etc/gitlab/gitlab.rb
2. gitlab_rails['time_zone'] = 'Asia/Shanghai'
```

3. 配置并重启

```
1. sudo gitlab-ctl reconfigure
2. sudo gitlab-ctl restart
3. sudo gitlab-ctl status
```

Tips

1. 查看日志

```
1. gitlab-ctl tail
2. cd /var/log/gitlab/nginx/
3. cat gitlab_error.log
4.
5. production.log: 该日志位于/home/gitlab/logs/gitlab-rails中, 其作用是记录gitlab的每次请求的具体信息, 包括请求的URL、ip地址、请求类型、以及此次请求所涉及的具体代码、SQL请求以及SQL请求消耗的时间。
6. application.log: 此日志文件位于/home/gitlab/logs/gitlab-rails中, 其作用是记录创建用户、创建项目、移动项目等日志。
7. githost.log: 此日志文件位于/home/gitlab/logs/gitlab-rails中, 此日志的作用是记录对gitlab服务器的错误请求日志。
```

8. **sidekiq.log**: 此日志文件位于/home/gitlab/logs/gitlab-rails中, gitlab中可能存在一些任务需要运行很长时间, 因此会选择将这些任务在后台执行, sidekiq.log文件就是用来记录这一类任务的处理信息, 此日志文件是一个软连接文件。
9. **gitlab-shell.log**: 此日志文件位于/home/gitlab/logs/gitlab-shell中, 该日志文件的作用是记录执行gitlab命令以及为项目添加ssh权限的日志文件
10. **unicorn/stderr.log**: 此日志文件位于/home/gitlab/logs/unicorn, 该日志文件的作用是记录gitlab的web服务器的相关记录。
11. **reporchec.log**: 此日志文件位于/home/gitlab/logs/prometheus

2. 查看端口是否被占用

1. `netstat -tnlp | grep "被占用端口"`

3. 出现 forbidden 错误

删除黑名单记录 (正常情况下这个操作做过后就可以了, 如果黑名单频繁访问且是合法的, 则可以考虑添加到白名单中)

1. `/opt/gitlab/embedded/bin/redis-cli -s /var/opt/gitlab/redis/redis.socket keys '*' | grep 'rack::attack' | xargs /opt/gitlab/embedded/bin/redis-cli -s /var/opt/gitlab/redis/redis.socket DEL`

增加IP白名单

1. `/etc/gitlab/gitlab.rb`
- 2.
3. `gitlab_rails['rack_attack_git_basic_auth'] = {`
4. `'enabled' => true,`
5. `'ip_whitelist' => ["127.0.0.1", "Gitlab部署的IP地址"],`
6. `'maxretry' => 300,`
7. `'findtime' => 5,`
8. `'bantime' => 60`
9. `}`
- 10.
11. `gitlab-ctl reconfigure`

4. 出现 502 错误

1. `2021/05/06 10:46:46 [alert] 1327#0: *312672 write() to "/var/log/gitlab/nginx/gitlab_access.log" failed (28: No space left on device) while logging request, client: 10.134.101.1, server: 36.152.26.250, request: "GET /server-dev/meeting/webrtc_view.git/info/refs?service=git-upload-pack HTTP/1.1", upstream: "http://unix:/var/opt/gitlab/gitlab-workhorse/socket/server-dev/meeting/webrtc_view.git/info/refs?service=git-upload-pack", host: "36.152.26.250:8090"`

处理

1. `df -h` 查看空间大小
2. `df -l` 详细大小
3. `du -h --max-depth=1`
4. `cd /var/log/`
5. 删除 message 相关日志文件
6. `/var/lib/jenkins/workspace/GlobeCare/app/backups/GlobeCare_SRC`
7. 刷新 gitlab