【工具】gitlab备份与恢复操作方法

作者

工具介绍（可选）

对象：gitlab备份与恢复操作方法

功能：进行gitlab数据库及仓库的备份与恢复

特点：定期进行数据的备份以防数据的丢失和损坏

使用方法（可选）

a. 设定备份目录：打开/opt/gitlab-7.13.3-0/apps/gitlab/htdocs/config/下的gitlab.yml 文件，进行备份目录的设定

```
# GitLab Satellites
satellites:
  # Relative paths are relative to Rails.root (default: tmp/repo_satellites/)
  path: /opt/gitlab-7.13.3-0/apps/gitlab/gitlab-satellites/
  timeout: 30

## Backup settings
backup:
  path: "tmp/backups"   # Relative paths are relative to Rails.root (default:
tmp/backups/)
  # keep_time: 604800   # default: 0 (forever) (in seconds)
  # upload:
  #   # Fog storage connection settings, see http://fog.io/storage/ .
  #   connection:
  #     provider: AWS
  #     region: eu-west-1
  #     aws_access_key_id: AKIAKIAKI
  #     aws_secret_access_key: 'secret123'
  #   # The remote 'directory' to store your backups. For S3, this would be the
bucket name.
  #   remote_directory: 'my.s3.bucket'
  #   # Use multipart uploads when file size reaches 100MB, see
  #   #  http://docs.aws.amazon.com/AmazonS8/latest/dev/uploadobjusingmpu.html
```

b. 备份：

```
[root@localhost ~]# cd /opt/gitlab-7.13.3-0/
[root@localhost gitlab-7.13.3-0]# ./use_gitlab
bash-4.2# cd /opt/gitlab-7.13.3-0/apps/gitlab/htdocs/
bash-4.2# bundle exec bin/rake gitlab:backup:create RAILS_ENV=production
/opt/gitlab-7.13.3-0/ruby/lib/ruby/gems/2.0.0/gems/bundler-1.10.4/lib/bundler/sh
ared_helpers.rb:78: warning: Insecure world writable dir /usr/local/qt4.8.5/bin
in PATH, mode 040777
/opt/gitlab-7.13.3-0/ruby/lib/ruby/gems/2.0.0/gems/bundler-1.10.4/lib/bundler/sh
ared_helpers.rb:78: warning: Insecure world writable dir /usr/local/qt4.8.5/bin
in PATH, mode 040777
Warning
  You are running as user root, we hope you know what you are doing.
  Things may work/fail for the wrong reasons.
  For correct results you should run this as user git.

Dumping database ...
Dumping PostgreSQL database bitnami_gitlab ... [DONE]
Compressing database ... [DONE]
done
Dumping repositories ...
 * shug/shugtest ... [SKIPPED]
 * shug/shugtest.wiki ...  [SKIPPED]
 * mingzf/mingzf-test ... [DONE]
 * mingzf/mingzf-test.wiki ...  [SKIPPED]
 * yanc/testGitProject ...  [SKIPPED]
```

c. 备份好的文件如下所示：

```
[root@localhost htdocs]# cd tmp/backups/
[root@localhost backups]# ls
1464755410_gitlab_backup.tar   1467260431_gitlab_backup.tar
1464756550_gitlab_backup.tar   1467288448_gitlab_backup.tar
[root@localhost backups]#
```

d. 当数据损坏或丢失时，我们可以将当前状态恢复到之前的某一状态
BACKUP=timestamp_of_backup（这里指上图中备份文件的前缀数字部分）

```
[root@localhost ~]# cd /opt/gitlab-7.13.3-0/
[root@localhost gitlab-7.13.3-0]# ./use_gitlab
bash-4.2# cd /opt/gitlab-7.13.3-0/apps/gitlab/htdocs/
bash-4.2# bundle exec bin/rake gitlab:backup:restore RAILS_ENV=production BACKU
P=1467260431
```

执行完上述步骤后还需执行以下命令，否则将无法查看仓库中的内容：chown git:git
-R/opt/gitlab-7.13.3-0/apps/gitlab/repositories

进阶技巧（可选）

参考资料（可选）

标签

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