

GNU/Linux Administration - Support #505

Updating GitLab To The Latest Version

12/20/2014 06:26 PM - Daniel Curtis

Status:	Closed	Start date:	09/07/2014
Priority:	Normal	Due date:	
Assignee:	Daniel Curtis	% Done:	100%
Category:		Estimated time:	1.00 hour
Target version:		Spent time:	2.50 hours

Description

This is a brief guide for upgrading GitLab 7.4 to the latest current version, 7.6; however the upgrade process is generic enough that the process should work in future versions.

Backup

- Its good to back everything up, in case the upgrade fails:

```
cd /home/git/gitlab
sudo -u git -H bundle exec rake gitlab:backup:create RAILS_ENV=production
```

Upgrade GitLab

- Stop the GitLab server:

```
sudo service gitlab stop
```

- Get latest GitLab code:

```
cd /home/git/gitlab
sudo -u git -H git fetch --all
```

- For GitLab Community Edition:

```
sudo -u git -H git checkout 7-6-stable
```

- Update gitlab-shell:

```
cd /home/git/gitlab-shell
sudo -u git -H git fetch
sudo -u git -H git checkout v2.4.0
```

Install new system dependencies

- The latest version of the 'rugged' gem requires pkg-config and cmake to build its native extensions:

```
sudo apt-get install pkg-config cmake
```

- The 'timfel-krb5-auth' gem requires libkrb5-dev

```
apt-get install libkrb5-dev
```

- **NOTE:** I am running my GitLab instance on FreeBSD, so replace libkrb5-dev with krb5:

```
pkg install krb5
```

- Install libs, migrations, etc.:

```
cd /home/git/gitlab
```

1. For MySQL installations (note: the line below states '--without ... postgres')

```
sudo -u git -H bundle install --without development test postgres --deployment
```

2. For PostgreSQL installations (note: the line below states '--without ... mysql')

```
sudo -u git -H bundle install --without development test mysql --deployment
```

3. Run database migrations

```
sudo -u git -H bundle exec rake db:migrate RAILS_ENV=production
```

4. Clean up assets and cache

```
sudo -u git -H bundle exec rake assets:clean assets:precompile cache:clear RAILS_ENV=production
```

5. Update init.d script

```
sudo cp lib/support/init.d/gitlab /etc/init.d/gitlab
```

Update config files

New configuration options for gitlab.yml

- There are new configuration options available for gitlab.yml. View them with the command below and apply them to your current gitlab.yml:

```
git diff 7-4-stable:config/gitlab.yml.example 7-6-stable:config/gitlab.yml.example
```

Restore GitLab service

- Start application

```
sudo service gitlab start
sudo service nginx restart
```

Check application status

- Check if GitLab and its environment are configured correctly:

```
sudo -u git -H bundle exec rake gitlab:env:info RAILS_ENV=production
```

- To make sure you didn't miss anything run a more thorough check with:

```
sudo -u git -H bundle exec rake gitlab:check RAILS_ENV=production
```

If all items are green, then congratulations upgrade is complete!

Update OmniAuth configuration

When using Google omniauth login, changes of the Google account required. Ensure that Contacts API and the Google+ API are enabled in the Google Developers Console. More details can be found at the integration documentation.

Things went south? Revert to previous version (7.4)

1. Revert the code to the previous version
Follow the upgrade guide from 7.3 to 7.4, except for the database migration (The backup is already migrated to the previous version)
2. Restore from the backup:

```
cd /home/git/gitlab
sudo -u git -H bundle exec rake gitlab:backup:restore RAILS_ENV=production
```

Resources

- <https://gitlab.com/gitlab-org/gitlab-ce/blob/master/doc/update/7.5-to-7.6.md>

Related issues:

Copied from GNU/Linux Administration - Support #452: Updating GitLab 7.1 to 7.2

Closed

09/07/2014

History

#1 - 12/20/2014 06:26 PM - Daniel Curtis

- Copied from Support #452: Updating GitLab 7.1 to 7.2 added

#2 - 12/20/2014 06:49 PM - Daniel Curtis

- Status changed from New to Resolved

#3 - 12/26/2014 07:16 PM - Daniel Curtis

- Status changed from Resolved to Closed

- % Done changed from 0 to 100