**GITLAB INSTALLATION STEPS**

## **Step 1 - Install required dependencies**

Install packages needed for the GitLab installation like policycoreutils for SELinux manager, OpenSSH, and postfix as local SMTP server.

sudo yum install curl policycoreutils-python openssh-server

sudo yum install postfix

Once the installation is complete, start and enable the postfix service by running the following commands:

sudo systemctl start postfix

sudo systemctl enable postfix

## **Step 2 - Install GitLab**

GitLab provides an installer for adding the GitLab CE/EE repository. Download the installer with curl and run the script to add new GitLab CE/EE repository.

curl https://packages.gitlab.com/install/repositories/gitlab/gitlab-ee/script.rpm.sh | sudo bash

Now install GitLab with the following yum command.

sudo EXTERNAL\_URL="http://<server\_ip>" yum install -y gitlab-ee

Now if you access GitLab using URL “http://<host-ip>” you will be able to see a page to configure Gitlab password.

Default username for gitlab is “root” and default port is 80

Default password can be found at /etc/gitlab/initial\_root\_password

## **Step 3 - Configure GitLab URL**

If the external URL is not configured during installation, then you can set the URL from the below file.

sudo vi /etc/gitlab/gitlab.rb

Near the top of the configuration file, you will see a line starting with external\_url as shown below.

external\_url 'https://gitlab.example.com'

Change your main URL to the value match your domain or IP address like ‘https://SERVER\_IP’. Once changed, don’t forget to reconfigure gitlab to apply the recent changes in the configuration file using the following command.

gitlab-ctl reconfigure

Note:

Providing domain name doesn’t work in this case as you don’t have registered DNS name. So, use IP address to access GitLab URL.

## **Step 4 - Adjusting the firewall rules**

In case of any issues in accessing GitLab URL, check the firewall. you’ll need to open ports 80 and 443 accordingly.

sudo firewall-cmd --permanent --zone=public --add-service=http

sudo firewall-cmd --permanent --zone=public --add-service=https

sudo firewall-cmd --reload

## **Step 5 - Starting and stopping GitLab**

Start all GitLab components: sudo gitlab-ctl start

Stop all GitLab components: sudo gitlab-ctl stop

Restart all GitLab components: sudo gitlab-ctl restart

Get GitLab service status: sudo gitlab-ctl status

## **Steps to uninstall GitLab**

Stop gitlab service

sudo gitlab-ctl stop

Delete gitlab service

sudo yum remove gitlab-ee

Delete dependent files

sudo rm -rf /opt/gitlab/

sudo rm -rf /var/opt/gitlab

sudo rm -rf /var/log/gitlab

sudo rm -rf /etc/gitlab