

DevOps by SATISH @ SathyaTechnologies

Introduction

 GitLab is an open source, cloud-based Git repository and version control system used by multiple organizations worldwide.

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 GitLab is Written in Ruby, GitLab CE includes a host of features that enable software development teams to consolidate source code, track and manage releases.

• It increase code quality, deploy code changes, and track the evolution of software over time.

GitLab Installation on Ubuntu

Step-1: Install and configure the necessary dependencies #sudo apt-get update #sudo apt-get install -y curl openssh-server ca-certificates

Step-2: install Postfix to send notification emails #sudo apt-get install -y postfix

GitLab Installation on Ubuntu

Step-3: Add the GitLab package repo. and install the package # curl https://packages.gitlab.com/install/repositories/gitlab/git lab-ee/script.deb.sh | sudo bash

Step-4: install the GitLab package.
sudo EXTERNAL_URL="http://gitlab.example.com" aptget install gitlab-ee

Step-5: Configure and start git lab # gitlab-ctl reconfigure

GitLab Installation on Ubuntu

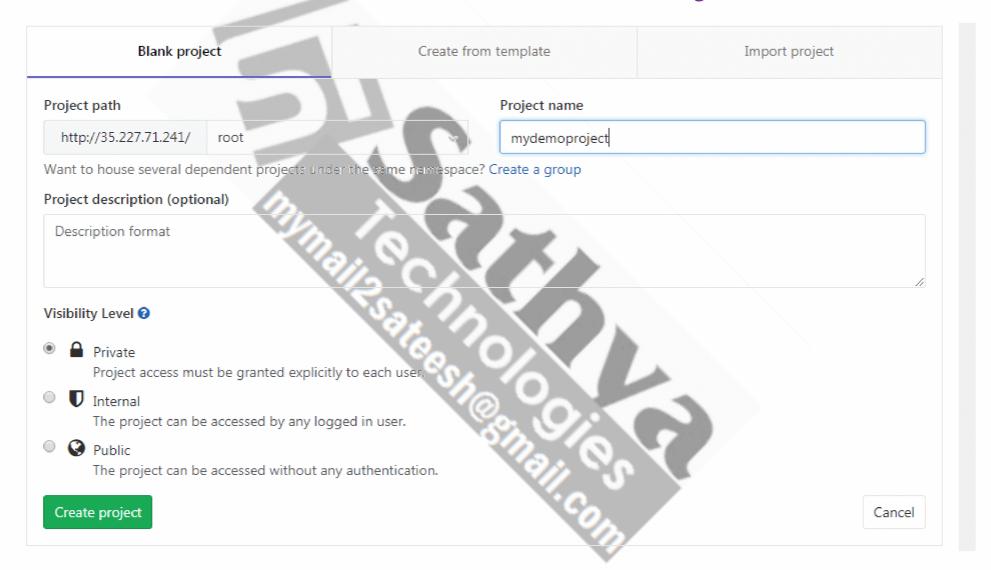
Step-6: Browse to the hostname and login

Reset password for "root" user

Uname: root

pwd : <New pwd>

To Create a New Project



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Git global setup

```
# git config --global user.name "Administrator" # git config --global user.email admin@example.com
```

Create a new repository

```
# git clone <a href="http://<Server IP Addr>/root/mydemoproject.git">http://<Server IP Addr>/root/mydemoproject.git</a>
# cd mydemoproject
# touch README.md
# git add README.md
# git commit -m "add README"
# git push -u origin master
```