**Gitlab Documentation**

**Step1:** Create gitlab account on web further sign in to gitlab and create a new project on gitlab

**Step 2:** Download git from [https://git-scm.com/](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqa2dYcDd2OG05SndVUjJqekw0ZVRUamJhTkJpZ3xBQ3Jtc0trVk9pcjBkSEVfQlY2dFlaUDBIQ3VneGpXeFFBemFSeE5JVFVVQXZiTWNxNVRGZlR4TFVaQUU2d3NCQjVlYUIwSmhXX1FTVDREalBmS18yVnVqZEM3TkRLQVR6YW5ub2o5b3lJODlqOUotTER6RG5DOA&q=https%3A%2F%2Fgit-scm.com%2F)​ and install git and Check git is installed on your system git --version

**Step 3:** Further Run following git commands

**git config --global user.name “xxxx”**

**git config --global user.name** //checking username

**git config -global user.email “xxxx”**

**git config --global user.email //checking email ID**

**git config --global --list**

**Step 4:** Create a demo project/folder & add to git

**Step 5:** Go to cmd or terminal OR git bash CD to the location of the folder and run following commands

**git init**

**git status**

**git add . git commit -m “msg”**

**git push -u “url” master //url =https link**

**Step 6:** Check project (files) added on GitLab on web

//How to fork a project

**Description** – A fork is a copy of a project Forking a pro/repo allows you to make changes without affecting the original project

**Step 7**: Login to GitLab and goto your project and Click on Fork button

**//How to create SSH Key**

-SSH - Secure Shell - Used for authentication

-By setting ssh key you can connect to GitLab server without

Using username and password each time

**Step 8:** Run command **ssh-keygen** On Mac - run command on terminal On Windows - use putty or git bash

**Step 9:** Login to GitLab account ＞ Settings ＞ SSH Keys Step **Step 10:** Copy contents of id\_rsa.pub and Add Key Step 4: Verify SSH key is added

//Gitlab Runner

What is GitLab Runner? - used in GitLab CI - Open-source continuous integration service included with GitLab

- used to run jobs & send results back to GitLab

**Step 11:** Install GitLab Runner [https://docs.gitlab.com/runner/](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqbWUwZGFFTlpNTXFUaXVldTJlMXNYNl84dEFDQXxBQ3Jtc0tsdUFUY0VMVlRubWoyN1RLeHd5bjhWTldNVG9mVnRCeHcxWmR2UUZYYzZlN3pPQnRfTlJmSGk3aE9NQ0RVSUJZb095ZUdtbXhRQzk2YWwwSTEtQ3ZpYkdDWEJ2aGZuajdOSFJkMkFHR016SU85akJmcw&q=https%3A%2F%2Fdocs.gitlab.com%2Frunner%2F)​ [https://docs.gitlab.com/runner/instal...](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqbEdCNlB1amZlS01XMTIxUS1sYmZRS2c1aWZBQXxBQ3Jtc0trRmJPVWpvRGJQd040SmFyNldKblBHSzUzX3pXeW1YTTRhV1BJUkZMYjFxMm9KOVVfNEo3V3VMSGd0dUM3dmc3RTR1WTV2a3VjM0I3SHo3c2p3VnEzWVpXeFg3NzQwVmIyX0hXd0w3ZmNxSDBTOHFsNA&q=https%3A%2F%2Fdocs.gitlab.com%2Frunner%2Finstall%2Findex.html)​

//mac

brew install gitlab-runner

gitlab-runner --version

**Step 12:** Register GitLab Runner [https://docs.gitlab.com/runner/regist...](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqbldaU1JtMi1lTlFTcUxhV1Zwdk1iYk85SWE2Z3xBQ3Jtc0tuN1FQSjJrRFdiZW9zQUdUQ3RiOEk0c1doRy05X1FxdGEyUTRndGtMU2N2NnpBTVE5TU9qZzlOTkltZXlxMmZ0VmMxZDdiLW02dzVRZTROYlp1azd3Tk5ERWpPbWtBbTQwQjB3dmtkNHNzRjE2NkZqUQ&q=https%3A%2F%2Fdocs.gitlab.com%2Frunner%2Fregister%2Findex.html)​

gitlab-runner register

**Step 13:** Start GitLab Runner

brew services start gitlab-runner

brew services stopgitlab-runner

**Step 1 4:** Check runner is activated in the project