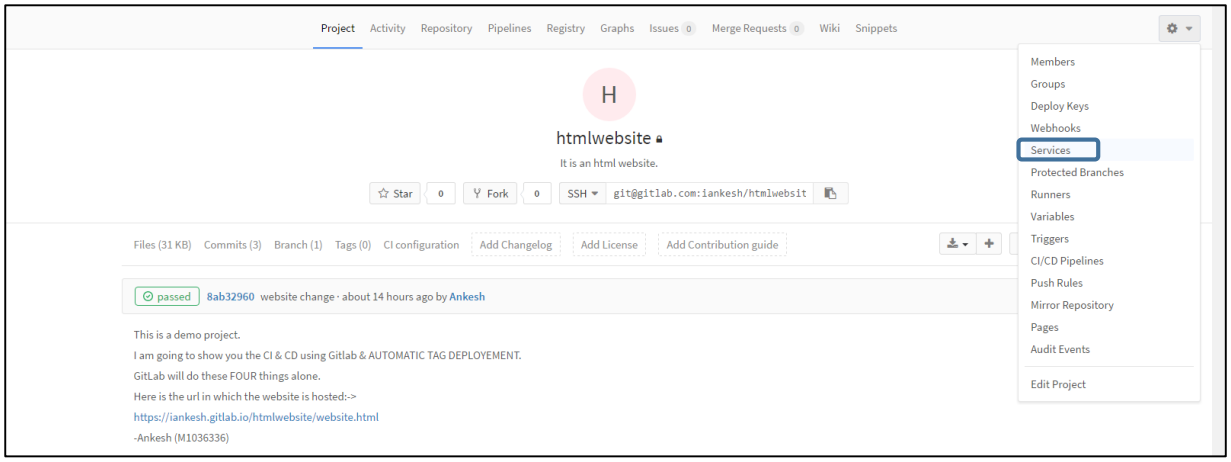
Tag based Deployment using GitLab

After knowing about the GitLab CE with CI, we have deployed a html website showing the CI & CD with GitLab. Now we will show the tag based deployment in GitLab using Jenkins.

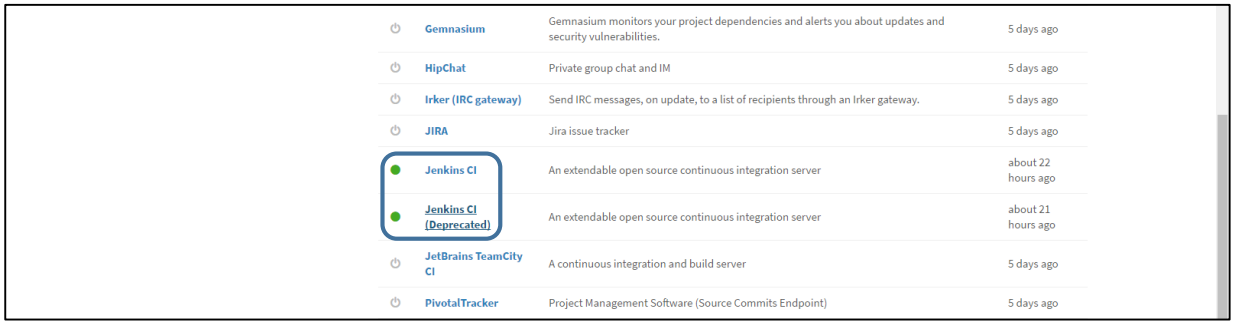
Step 1:

As Jenkins provides plugins to integrate with other services. Gitlab provides SERVICES.
Click on Settings > Services.



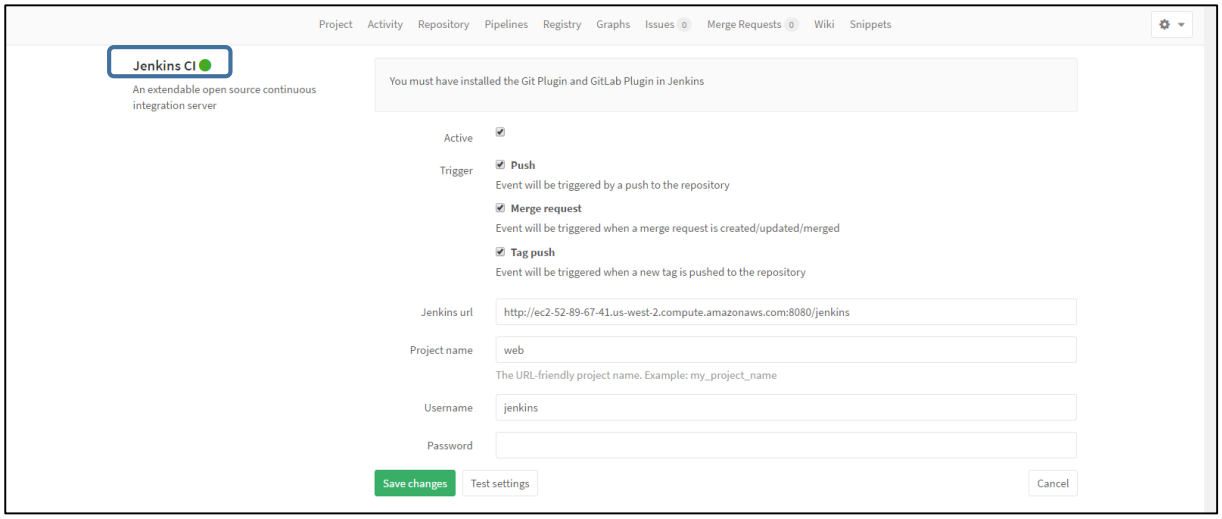
Step 2:

Configure two services: Jenkins CI & Jenkins CI (Deprecated).



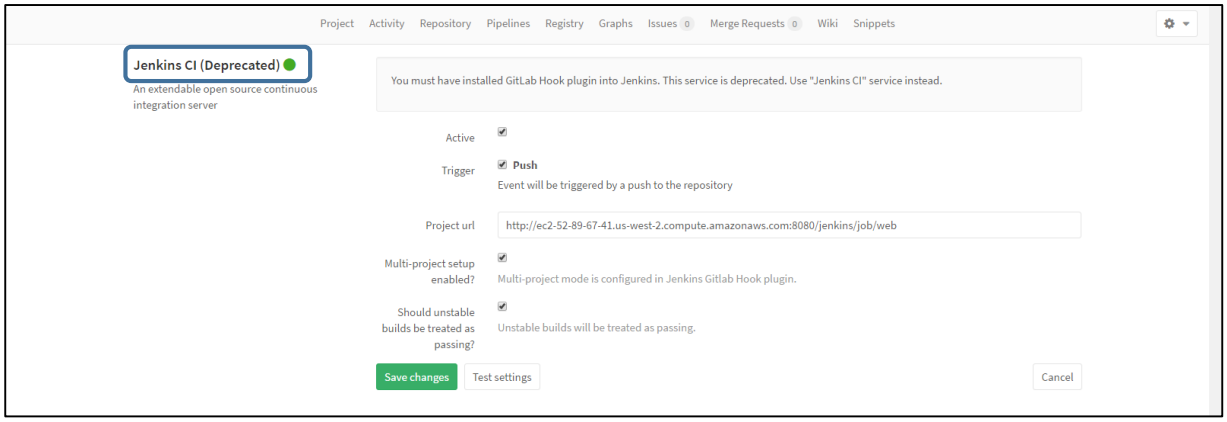
Step 3:

Configure Jenkins CI as:



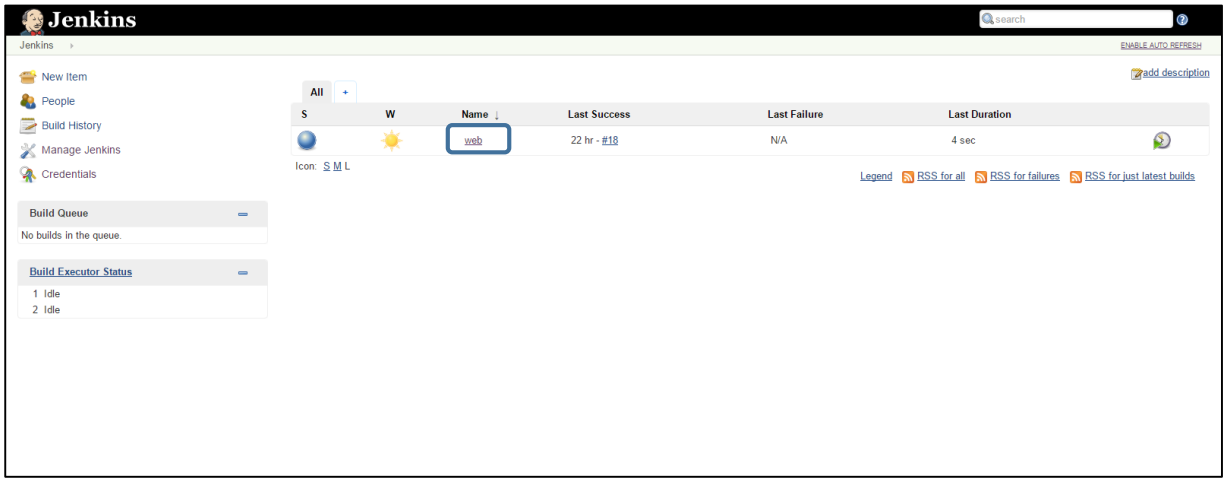
Step 4:

Configure Jenkins CI (Deprecated) as:



Step 5:

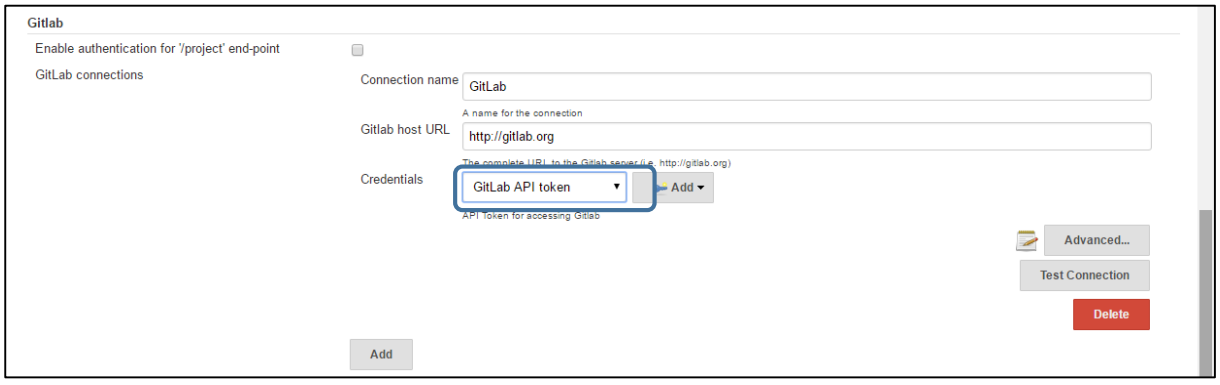
Open your Jenkins Dashboard and create a job:



Step 6:

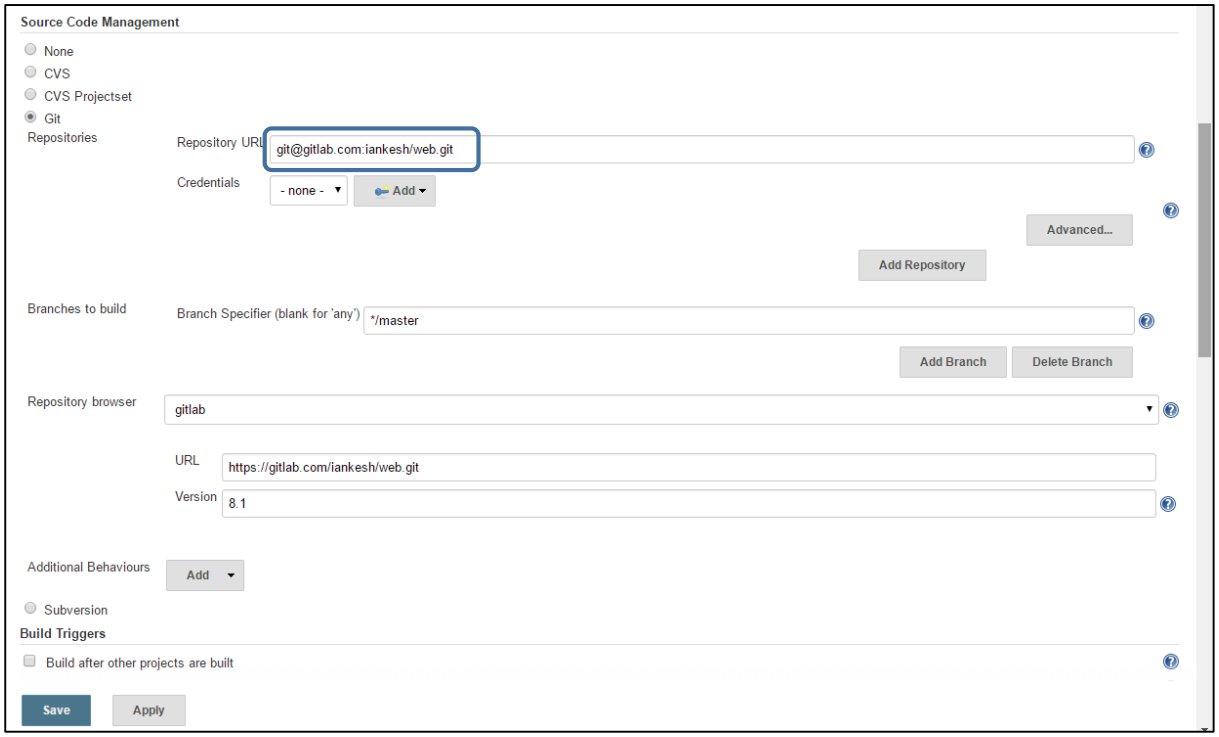
Go to Manage Jenkins > Configure System.

In GitLab Section, authenticate GitLab to Jenkins by assigning the API token in credentials.



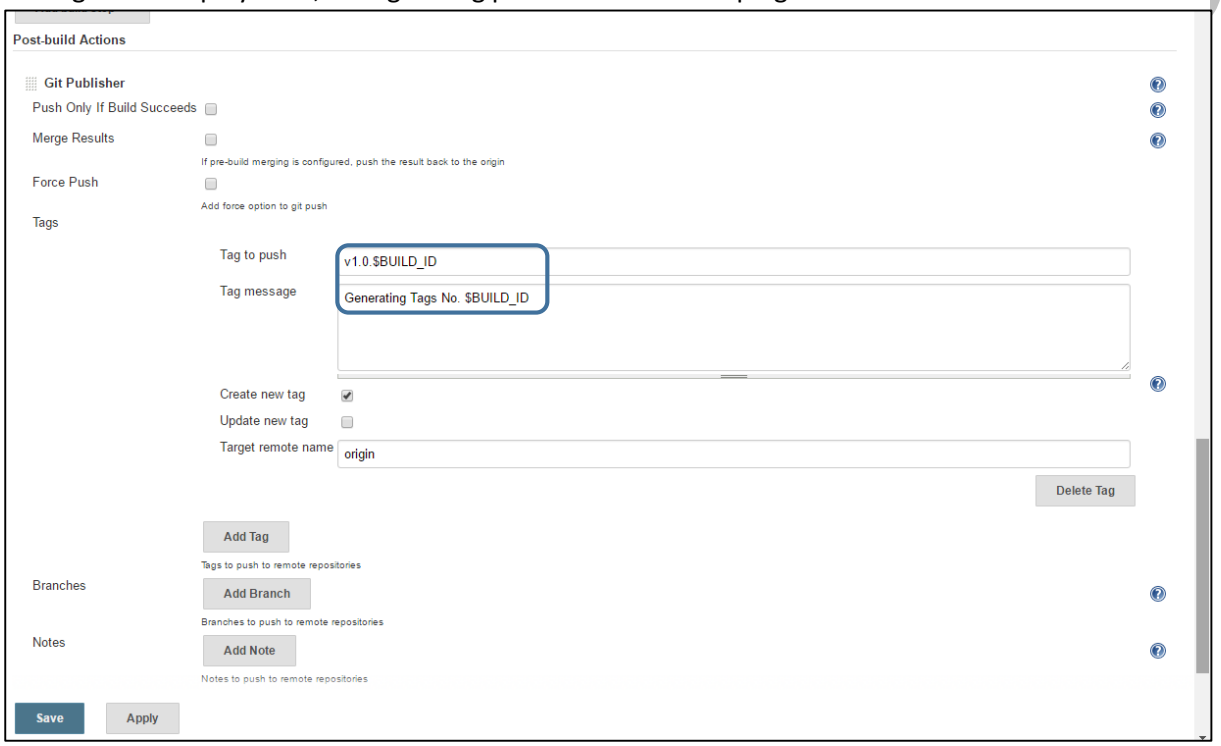
Step 7:

Go inside the job and click on Configure.



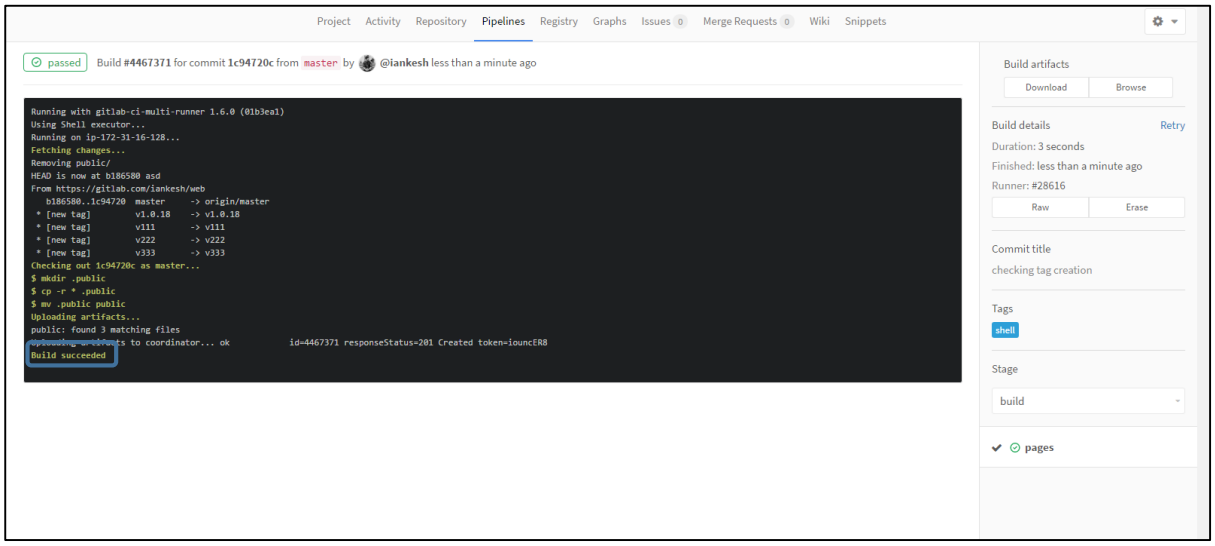
Step 8:

For tag based deployment, configure tag part in Git Publisher plugin and save it.

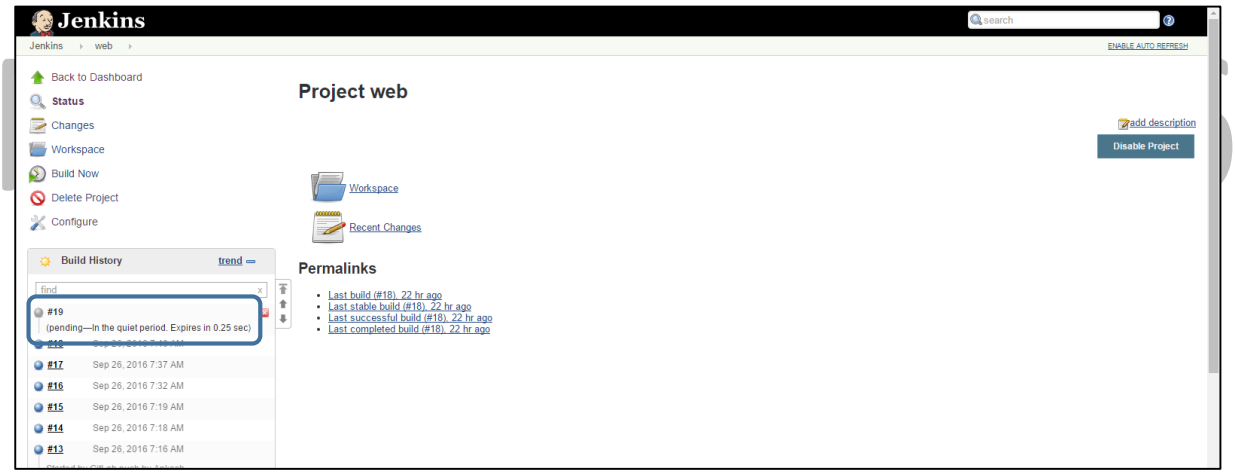


Step 9:

Now we will create a change in our local repository and push it to remote repository.
As soon as we push the changes, we can see GitLab starts building automatically.

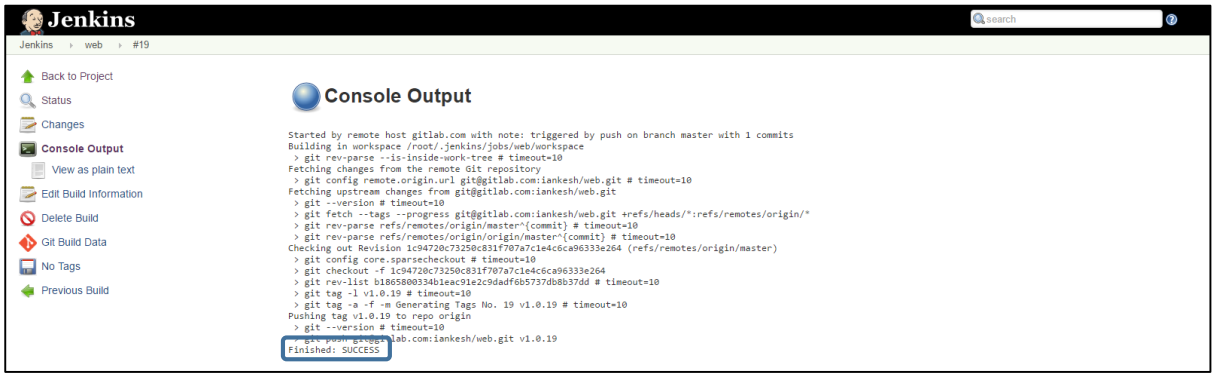


And when GitLab builds, Jenkins has already taken the changes from the GitLab repository, keep the build in pending and wait for Gitlab to complete its build.



As soon as Gitlab finishes its work, Jenkins will start building the job.

If the build is succeded, it generates a tag in GitLab.



Step 10:

After jenkins build got succeded, you can see the tags generated in GitLab Tag section.