Gitlab - Jenkins Integration

Pre-requisites required for Gitlab - Jenkins Integration.

Gitlab

Gitlab Login Credentials

> Gitlab Url like http://novartis.devops.altimetrik.io:7080

Jenkins

Jenkins Login Credentials

> Jenkins Url like http://novartis.devops.altimetrik.io:8084

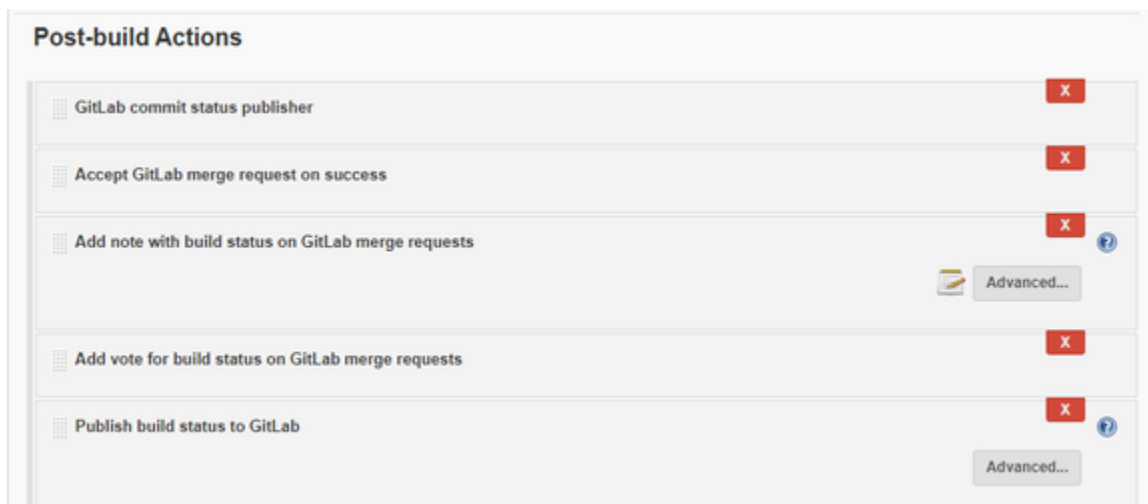## Showcasing Jenkins Integrations within Git lab.

Step 1 : Add the corresponding repository within Git lab repository with in Jenkins for a free style job.

Step 2 : Build the corresponding jobs available using build jobs option in Jenkins.

Step 3: Use the option Publish build status to git lab which would reflect he status of Jenkins for the repository on Git lab.
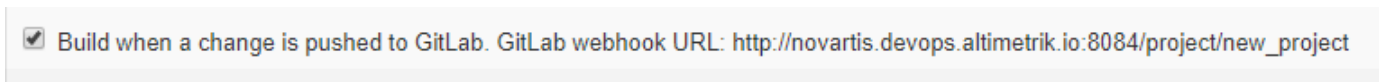

The above sequence would help in creating Git lab integrations to reflect Jenkins build status in Git lab.

Application of Git lab hooks to trigger jobs on Jenkins.

Procedure to add Web hooks on Jenkins

Create a job which would have a default option of a generated web hook url on jenkins.

Create a web hook in the settings of repository

Project > "Project name" > settings > Integrations.

URL

http://novartis.devops.altimetrik.io:8084/project/new_project

Secret Token

d90328e618a24e0347f4214a1889c8f5

Use this token to validate received payloads. It will be sent with the request in the X-Gitlab-Token HTTP header.

Add the list of features to be added

http://novartis.devops.altimetrik.io:8084/project/new_project

SSL Verification: disabled   Edit

Push Events   Tag Push Events   Issues Events
Confidential Issues Events   Note Events
Confidential Note Events   Merge Requests Events   Job Events
Pipeline Events   Wiki Page Events

Test ▼   🗑

To test the feature

Click on the Test button provided above.

Once Web hook is working the below would be appearing on Jenkins.

🟢 **#17**   Oct 29, 2019 12:34 AM

Triggered by GitLab Merge Request #6:
Administrator/main => Develop

Feature of Gitlab:

Merge request can be enabled only when Build is successful for the Branch.

The above feature can be enabled only by the below steps

Go to the settings > repository > Merge request

Check the below to enable the merge requests for successful merges of branches.

Merge checks

These checks must pass before merge requests can be merged

☑ Pipelines must succeed
   Pipelines need to be configured to enable this feature. ❓

☐ All discussions must be resolved

Successful pipelines of branches are appeared in the below way.

Once the build pipelines are successful the the two branches can be merged.