**Trigger a Jenkins build by a github push**

It has 3 parts,

* Jenkins Job Configurations.

1. Create a new project / job in Jenkins.
2. Enter github repository in the respective text field “GitHub Project” in the Jenkins job Configuration.
3. In the section “Source-Code-Management” select the “Git” option. If you don’t see it, check your GitHub Plugin installation. *(Others details you can enter but they are not mandatory)*
4. Check the “Build when a change is pushed to GitHub” option in the “Build Triggers” section.
5. Hit the “Save” button. You are done with project / job configuration.

* Git plugin configuration

1. Go to the Jenkins system settings (Manage Jenkins -> Configure System).
2. In the git plugin configuration create token with your github credentials in the ‘advanced’ tab of the plugin.
3. Refresh the page and Use the recently created token credentials to test your connection to <https://api.github.com> which is already mentioned in the plugin configuration.
4. Hit the “Save” button. You are done with github plugin configuration in Jenkins.

* GitHub configurations.

1. Go to your GitHub project settings and click on “Webhooks & Services”. Press the “Add webhook” button.
2. Enter your webhook URL in the “Jenkins hook url” field. Your webhook should be something like https://<jenkins-url>:<port>/github-webhook/
3. Save the settings and you are done with GitHub configuration as well.

Once you are done with above configurations, you should be able to trigger a job with a GitHub push. Try pushing a new change to the GitHub project and check if the job gets triggered or not?

Note: If you do not see the job triggering, verify the GitHub push log in your Jenkins project page.