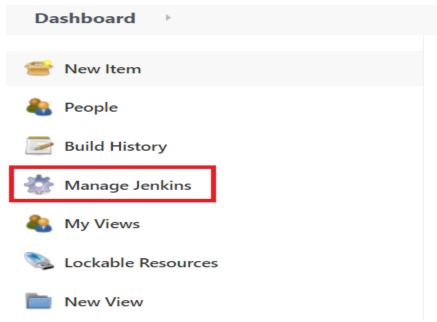




How to Configure Poll SCM in Jenkins

This document explains how to integrate Jenkins with Git and use Poll SCM to trigger continuous downloads. So, let's see what are the steps involved in triggering builds using Poll SCM in Jenkins, once you have launched Jenkins in your Ubuntu instance on port no 8080.

1. In the Jenkins dashboard, click on the **Manage Jenkins** option.



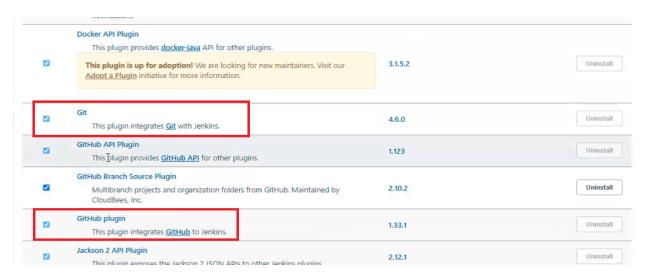
2. Then click on Manage Plugins.



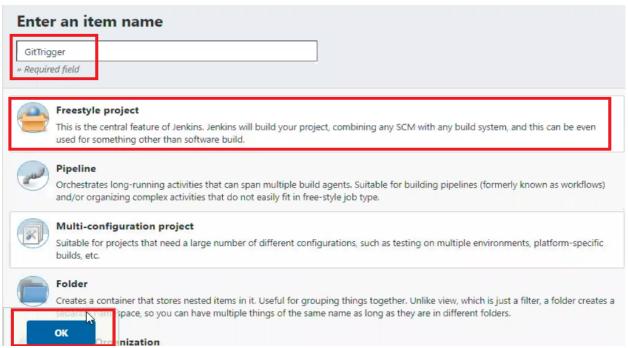
3. Go into the **Installed tab** and check if the Git and GitHub plugins are installed or not. If the plugins are not already installed, then install them.







4. Then create a new **Freestyle project**. Here, we have created a project named GitTrigger. Click on the **OK** button to finish.



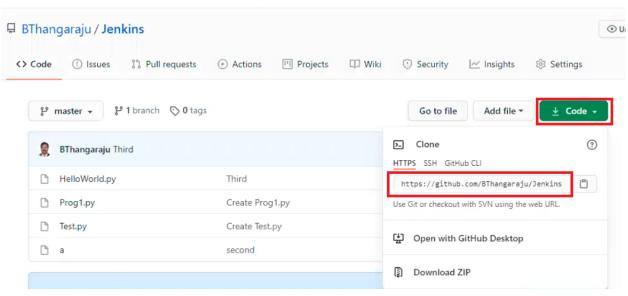
- 5. Next, we need to configure the project.
- 6. Now scroll down and select **Git** in the **Source Code Management** (SCM).







- 7. Here, you need to enter the URL of the repository.
- 8. Therefore, go to your repository and copy the repository URL, as shown in the image below.



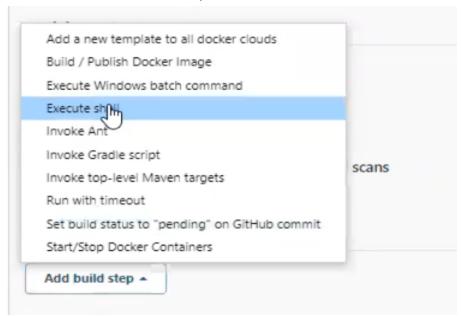
9. Paste the copied URL into the **Repository URL**, as shown below, and leave the other options as it is (default setting).







10. Now scroll down to the **Build** section and click on **Add build step**. Select the **Execute shell** option from that list.



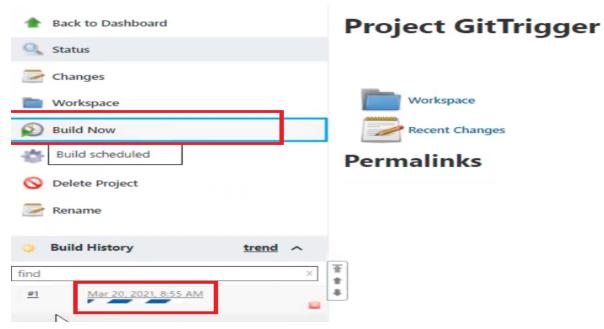
11. After writing the necessary commands, click on **Apply** and then **Save** the command, as shown in the image below.







12. Now, click on **Build Now** in the dashboard. In the build history, you can see that the project is being built.



13. Once the project has been successfully built, you can view the **Console output** as shown in the image below.







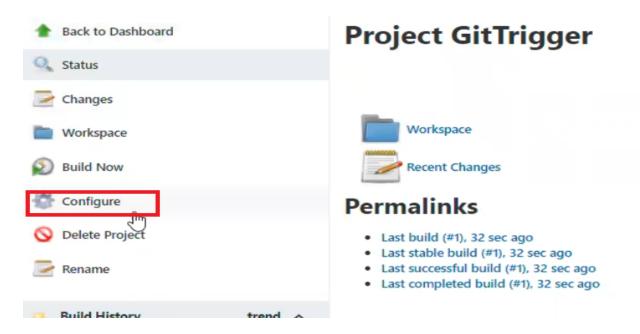
14. Next, we will configure Poll SCM to trigger this job automatically. Therefore select the **Back to Project** option on the dashboard.



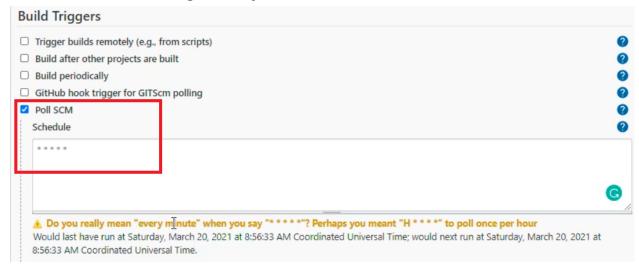
15. Then click on the **Configure** option.







- 16. Scroll down and select the **Poll SCM** option in the **Build Triggers** section.
- 17. In the **Schedule** box, you need to specify the time interval using the cron schedule expression. Here, we have entered "* * * * *", which means to check for new changes every minute.



18. In order to trigger Poll SCM, we need to make a few changes. Therefore, we will go back to the repository.



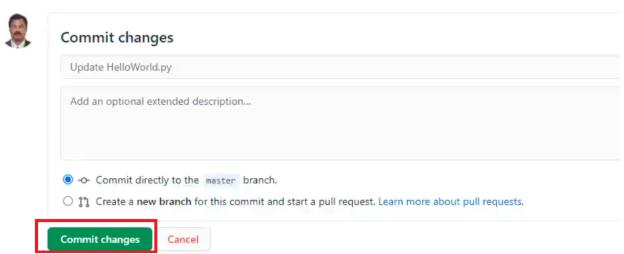




19. Then edit the file.

```
#! /usr/bin/python3
# This Phython program will print Hellow World...
print("Hello World Demo for GitHub hook trigger for GITScm polling...\n")
print("Hello World Demo for GitHub hook trigger for GITScm polling...\n")
print("Hello GitTrigger Project\n");
```

20. After making the necessary changes, commit the changes.

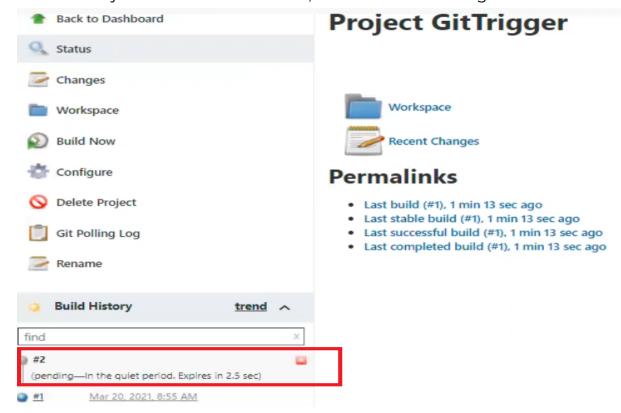


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21. Now return to the Jenkins dashboard. We can see that Jenkins will start to build the job in less than a minute, as shown in the image below.



22. Once the job is built, click on the 'build number' to see the log output.

