

Triggers and Webhooks - Github

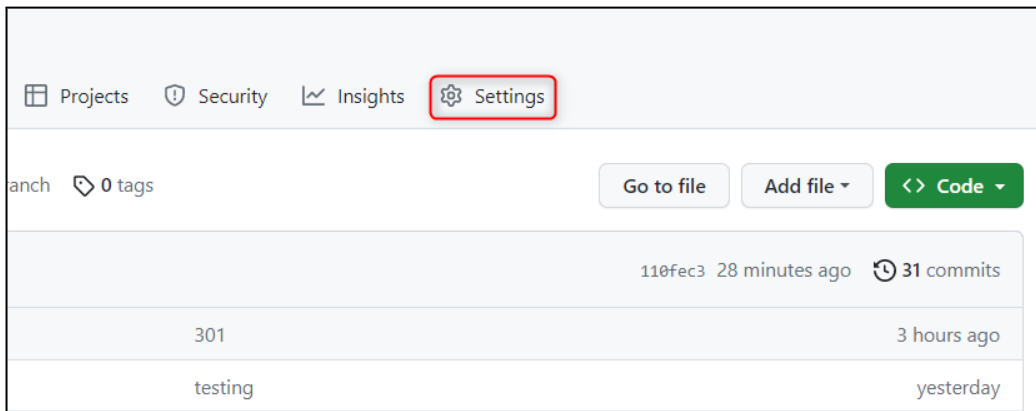
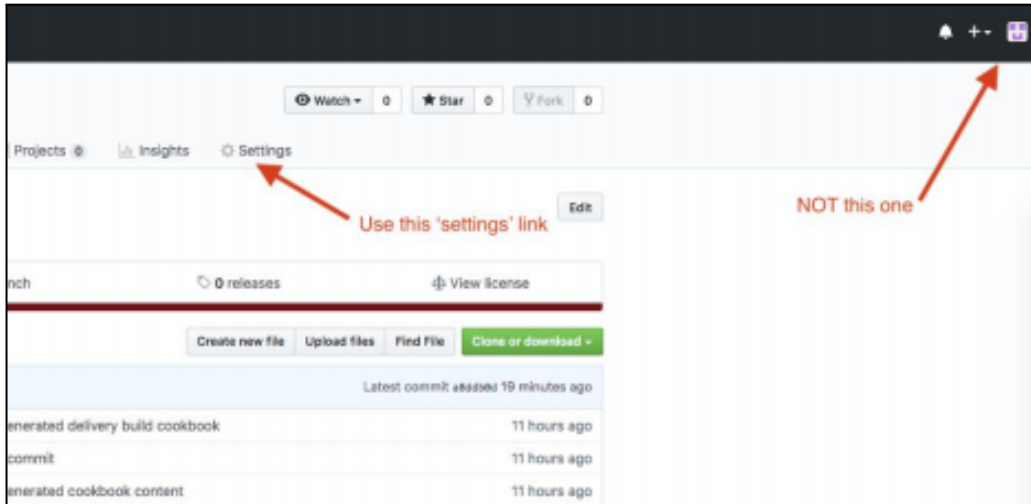
Now that our pipeline is working, the last step is to connect Github and Jenkins so that any push to Github automatically starts a build.

1. In Jenkins, configure your project to receive a Webhook notification from Github
2. In your Jenkins **ansible-pipeline** project configuration, under '**Build Triggers**', check mark '**GitHub hook trigger for GITScm polling**'

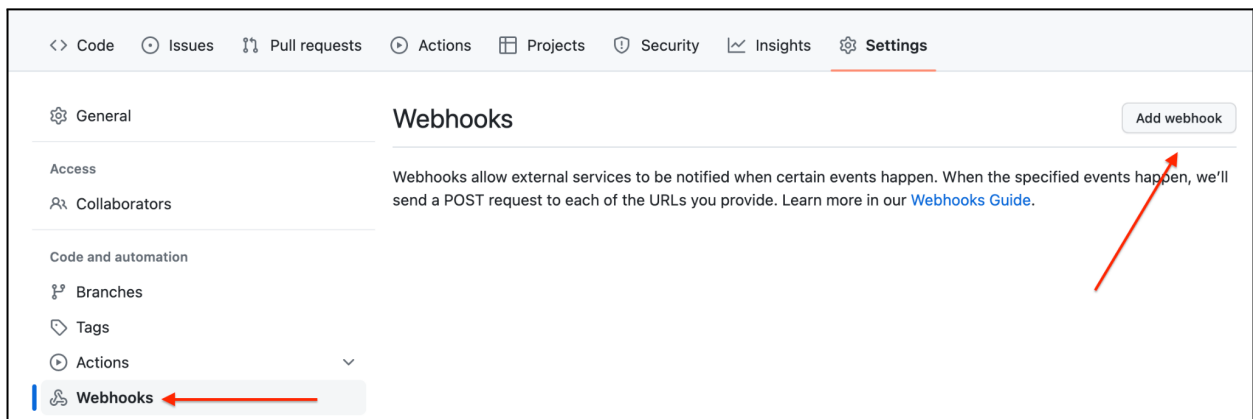
Build Triggers

- ☐ Build after other projects are built ?
- ☐ Build periodically ?
- ☒ GitHub hook trigger for GITScm polling ?
- ☐ Poll SCM ?
- ☐ Quiet period ?
- ☐ Trigger builds remotely (e.g., from scripts) ?

3. Next, save your project
4. In Github, configure your repo to send notification to Jenkins
5. Open the repo settings (not the account settings)



6. Click '**Webhooks**' and then '**Add webhook**'



7. You may be asked to authenticate
8. Payload URL: This is the hostname of your Jenkins Master, followed by /jenkins, followed by /github-webhook/

Note: the trailing slash after "github-webhook" is required

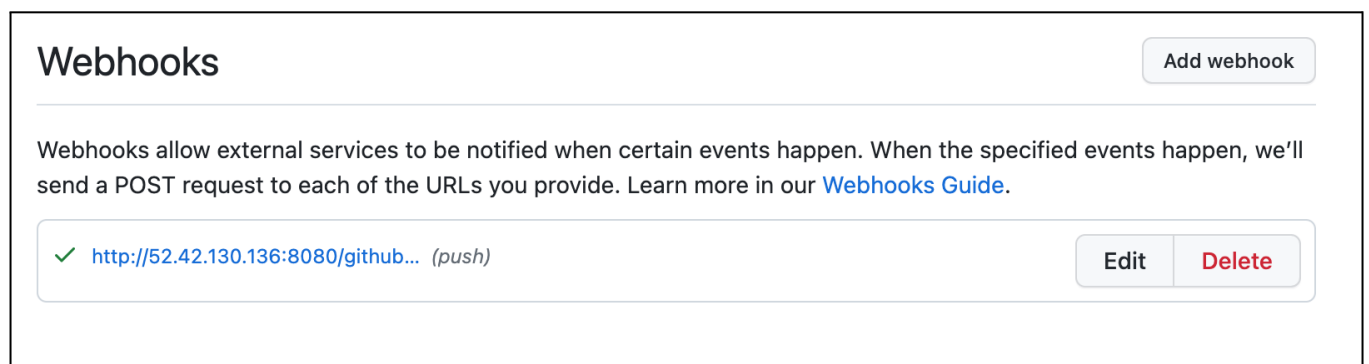
The entire Payload URL would look like:

<http://1.2.3.4:8080/github-webhook/>

9. Leave the Content type as:
application/x-www-form-urlencoded
10. Leave the 'Secret' field blank
11. Under events to trigger this webhook, leave it as '**Just the push event**'
12. Leave the '**Active**' button checked
13. Click '**Add webhook**'
14. You should see a **green checkmark** if Github was able to make a successful connection to your Jenkins Master

Note: If your webhook fails, it is best to delete it and recreate it, rather than update it. Updates to the webhook sometimes don't work.

15. The image below shows the green checkmark next to a properly configured webhook:



16. Test the end to end pipeline

- a. Open the main dashboard of your project, so you can see the Build stages
- b. Open E-mail so you can see the notification you will receive
- c. Make a change to your apache-install.yml file. Even adding just a comment to a file will be enough
- d. Save, add, commit and push to Github
- e. **Sit back and watch the Magic!**
- f. Exuberant exclamations out loud of any nature are completely acceptable at this point

Notify your instructor that you are done with the lab

END OF LAB