

JENKINS

INSTALLING BLUE OCEAN :

1. Go to Manage Jenkins → Manage Plugins.
2. Select the “Available” tab and search for BLUEOCEAN in searchbox.
3. Select the BlueOcean Aggregator plug-in. Install it and restart Jenkins.
4. Then on left side there is “Open Blue Ocean” ,click on it to use blue ocean.

Private Github Repository :

1. For private repository go to <https://education.github.com/> and join github education.
2. Fill the request form and submit it ,then you can use private repository.

Integrating Github and Jenkins :

1. Create a new private repository in github.
2. Then in jenkins create a new freestyle project.
3. In source code management select git option.
4. Enter the private repository’s URL in the Repository URL field.
5. As repository is private we need to add credentials for jenkins.
6. Click on add button and select jenkins as Credential provider in the drop down menu.
7. Enter your username and password then select the newly added credentials in dropdown menu.
8. Jenkins can now access your private repository.

Git SCM Poll :

1. In “bulid triggers” ,select “GitHub hook trigger for GITScm polling” option.
- 2 .Then in “build” select execute shell give appropriate commands.
3. Then click save changes.

Adding Jenkins webhook to GitHub :

1. Go to the settings of your GitHub repository.
2. Choose Integration and Services option.
3. Click on Add Service and select Jenkins with github plug-in from the drop down menu.
4. Now we need to get public URL of jenkins.We can get it by ngrok.
5. Go to <https://ngrok.com/download> and follow the instructions given there to install it.
6. Finally type this command in terminal ./ngrok http 8080
7. Get your public URL which is next to FORWARDING in your terminal.
8. Enter it in “Jenkins Hook URL”.
9. Click on Active check box and add service.

Post Build Actions :

1. Go to the Extended E-mail Notification section in Manage Jenkins > Configure Systems.
2. Provide the smtp server details. If you use gmail then give smtp.gmail.com
3. Select the Advanced option which is below Default user e-mail suffix.
4. Select Use SMTP Authentication.
5. Provide Username (gmail Id) and password of your gmail account.
6. Select Use SSL.
7. Provide SMTP port (It’s mostly 465).
8. Enter your gmail id in Reply-To Address field.
9. Check in Test configuration by sending test e-mail.
10. Enter your gmail id in Test e-mail recipient field.
11. Provide jenkins to access for gmail id.
12. Click on Test configuration.
13. Finally click on Apply and then Save.

Post build Action :

1. Goto configuration of the project
2. Click on Add post-build action and select E-mail Notification option in it.
3. Enter your gmail Id in Recipients and save.

Now When ever you build is failed you get a Notification to entered email-id.