Assignment2_1 – Jenkins

- ## Installing Blue ocean:

1. Login to Jenkins by navigating to localhost:8080.

2. From the homepage go to Manage Jenkins > Manage plugins.

3. Click on the Available tab and search for Blue Ocean in the filter text box.

4. Select the Blueocean plugin checkbox and click on Install without Restart to install the Plugin.

- ## Building a Private Repository:

1. Create a Github private repository using github student start pack.

2. Start a new free style Project by giving an appropriate name to the project.

3. Under source code management select git.

4. Provide the private github repoitory URL in URL Repository section.

5. Since the repository is private add login credentials of you github account in the add section and save the details.

6. Then select credentials in the drop down menu.

7. Use execute shell in the build and write the commands to be executed.

- ## GIT Scm Poll:

1. Open your project and got Configurations > Build Triggers
2. Select Github hook Triggers for GitScm polling and save changes.

- ## Getting a Public URL for Jenkins:

1. To get public URL install ngrok and run the command ./ngrok http 8080.

2. This will give your localhost a public ip address which should be used at webhook in settings of jenkins.

   3. You should see something like Forwarding https://ad33c62e.ngrok.io -> localhost:8080.

   4. Use this as the payload URL on the github page of your repository described above.

- ## Post Build Actions:

1. Here , we are adding post build action. This will archived selected files.

2. Select the Project and go to Configure > Post-build actions.

3. Click Add post-build action button and select Archive the artifacts.

4. Select the files that you want to archive.

5. Click the advanced button.

6. Select :

   -> Use default excludes.

   ->Archive artifacts only if build is successful.

7. This will archive all files in the linked github repo when the build is successful.