Assignment2_1 – Jenkins

Installing Blue ocean:

1. Start jenkins using the command

   sudo systemctl start jenkins

2. Login into the jenkins using your credentials before navigating to localhost:8080.

3. Go to Manage Jenkins > Manage plugins.

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

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

6. After restarting the Blue ocean will activate and a button will appear on the left of jenkins dashboard.

• Building a Private Repository:

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

2.Under source code management select git.

3.Provide the private github repository URL in URL Repository section.

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

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

• Getting a Public URL for Jenkins:

1. The tool ngrok helps us achieve this.

2. Once installed, enter ./ngrok http 8080 in your terminal. This will give you a public URL which has a secure link to the page on port 8080 of your localhost.

3. You should see something like Forwarding https://ad33c62e.ngrok.io ->localhost:8080. The *.ngrok.io URL is the corresponding public URL.

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.