

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

- **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 repository 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.**

- **Getting a Public URL for Jenkins:**

- 1.The tool ngrok helps us achieve this. It can be downloaded [here](#)
- 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.