

Assignment 2_1

BlueOcean:- A better User Interface(UI) of Jenkins with high standard of design.

● **Installation of Blue Ocean:-**

- i. *Select **Manage jenkins** followed by **Manage Plugins***
- ii. *Search for **Blue Ocean** plugin and install it subsequently.*
- iii. *Restart **Jenkins***
- iv. *Now to experience new UI ,select tag called **Open Blue Ocean**.*

● **Integrating Github private repository with Jenkins-:**

- *Create a private repository in github(if u don't have one) by getting **Student Developer Pack** by providing your college email address,otherwise it's a paid process.*
- *Create a freestyle project in jenkins.*
- *Select the option **Git** in Source code management.*
- *Paste the URL of private repository which you created.*

- *Add the necessary credentials of github account as the repository is private, so that jenkins can access this private repository.*

Configuration of Git SCM poll-:

*Configure the created project by selecting **GitHub hook trigger**(for Git SCM poll) .*

- *Select Settings in created private repository and choose Integrations & Services .*
- *Add **Jenkins(GitHub)** service*
- *Add **public** jenkins hook url which can be obtained using **ngrok**(as url which jenkins is using is local url) and url typically would be something like this:*

<http://f1153c9c.ngrok.io>

- *This allows github to make request to jenkins whenever commit is made.*

● *Post Built Action using Email Notification:-*

Configuring Email-:

- *Select E-mail Notification in Configure Systems.*
- *Provide SMTP server details.*

- *Provide credentials of the email for which you want to receive notifications.*
- *Select SSL port.*
- *Test configure by sending test email.*
- *If succeeded, then apply and save the configuration.*

Configuring Post-build action-:

- *Add Post-Build Action in configuration of project*
- *Select E-mail Notification and provide corresponding email-address as recipient and save the updated configuration .*

Application-: *As post-build action is completed ,the corresponding email id will receive notifications whenever the build is failed or failed build is successful.*

