

Blue Ocean : I

Installing blue ocean:

(for an existing Jenkins instance)

1. login to jenkins
2. From the Jenkins home page , select Manage Jenkins on the left and then Manage Plugins in the center.
3. Click the Available tab and type **blue ocean** into the Filter text box.
4. Select the Blue Ocean plugin's check box near the top of the Install column and then click the Download now.

Private Github Repo build and using Git SCM Poll:

(First get access to create a private repository in github(free using student github pack))

- 1.Login to jenkins.
2. Go to "New items" to create a free style project. Give a name to the project and proceed.
- 3.Under "Source code management" select "git". A popdown appears .Under "repository URL" give the private repository's url which you have already made . Select the add button. A dropdown menu pops up. Select jenkins.
- 4.After this a popup should appear asking for the details. Don't change the default domain and kind .Under username and password give details of related to you github account. (because we are using private repository it cannot access directly) .
- 5.Under "build triggers" select "Poll SCM".
6. Under "build" select "execute shell".
7. save it.

Git SCM Poll(continuation)

1. install ngrok in terminl and copy paste the forwarding for local host: 80 in jenkins hook url.
 - 2.select the active check box(if not) and click on add service button.
- Now github should make a request to the jenkins webhook whenever the commit is made.

POST BUILD ACTIONS(email notifications):

- 1.On Jenkins dashboard,click on manage jenkins and go to configure system.
- 2.Go to "email notification" and select on "advanced".
- 3.Enter details such as username and password,select use smt authentication.
- 4.Select use SSL and specify the SMTP port(usually 465).
- 5.Go to project configurations.Go to post build actions.
- 6.Give email address of recipient and select send email for every unstable build.Click on save.
- 7.This means that for every unstable build, an email will be set to the recipient.