

Assignment - 2

Blue Ocean

1. As administrator move to Manage Jenkins -> Manage Plugins.
2. Choose Available plugins
3. Install Blue Ocean (BlueOcean Aggregator) plugin.
4. Install Blue Ocean along with the required dependencies.
5. Restart Jenkins using `bash sudo service jenkins restart`
6. Upon restart, enable the Blue Ocean option from the GUI.

Private repository as FreeStyle Project

1. Setup a new project - New Item -> Freestyle project.
2. Under Source Code Management select Git.
3. Provide the private repository's URL in Repository URL.
4. To permit Jenkins to access the Private Github repository, update the credentials under Add -> Credentials -> Jenkins.
5. Set this as the Credentials.
6. Update the branch (if required) - Default : */master.
7. Now the private repository can be used with Jenkins like any other repository.

Git SCM Poll

1. Map the [Jenkins URL](#) to a public IP address.
 - Map a Public IP to your [Jenkins URL](#) using ngrok.
 - Download and setup ngrok from [here](#).
 - Run `./ngrock http 8080` (map your Jenkins port (8080) to a public IP. The public URL `http://<foo>.ngrok.io` should be used as the Webhook.
2. Setup
 - Go to Settings -> Webhooks -> Add webhook in the repository.
 - Update the Payload URL to the Public IP `http://<foo>.ngrok.io/github-webhook/`.
 - Set Content type as `application/json`.
 - Update Which events would you like to trigger this webhook? as per requirement.
 - Ensure that the Active option is selected.

Post-build Actions

1. Select the project and go to Configure -> Post-build Actions

2. Click on Add post-build action
3. Choose Archive the artifacts.
4. Mention the files to archive (* to archive all the files).
5. In the Advanced... tab, enable Archive only if build is successful and Use default excludes.