

Blue Ocean

- 1) Go to Manage Jenkins -> Manage Plugins.
- 2) Install Blue Ocean (BlueOcean Aggregator) plugin from the list of Available plugins. All the dependencies will be installed automatically.
- 3) Restart Jenkins by checking the Restart after Installation Check Box.
- 4) Upon restart, enable the Blue Ocean option from the GUI on the left menu.

Private repository as FreeStyle Project

- 1) Setup a new freestyle project by choosing New Item -> Freestyle project.
- 2) Set Source Code Management to Git.
- 3) Either create a private repository on GitHub or use an existing one.
- 4) Provide the private repository link in Repository URL field.
- 5) To permit Jenkins to access the Private Github repository, please update the credentials (your GitHub credentials) by choosing Add -> Credentials -> Jenkins and then update.
- 6) Set this as the Credentials.
- 7) Update the branch (if required). The default is : */master.

Git SCM Poll

- Mapping 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 ./ngrok http 8080 (map your Jenkins port (8080) to a public IP).
 - The public URL [http://\[something\].ngrok.io](http://[something].ngrok.io) should be used as the Webhook.
- Setup
 - Navigate to Settings -> Webhooks -> Add webhook in your GitHub repository.
 - Update the Payload URL to the Public IP [http://\[something\].ngrok.io/github-webhook/](http://[something].ngrok.io/github-webhook/).
 - Set Content type as application/json.
 - Update Which events would you like to trigger this webhook?
 - Ensure that the Active option is selected.

Post-build Actions

- 1) Select the project and navigate to Configure -> Post-build Actions
- 2) In Add post-build action choose Git Publisher.
- 3) Check the 'Push only if build succeeds' option.
- 4) Select other options as necessary (You can give force push option, add tags, comments, etc).
- 5) Save the changes.