Installation on linux:

Please follow the following link to install JIRA on linux

<https://confluence.atlassian.com/adminjiraserver/installing-jira-applications-on-linux-938846841.html>

<https://my.atlassian.com/product>

Select DATACentre product and generate licence.

<https://my.atlassian.com/license/evaluation?_ga=2.33993189.591460940.1529673412-1332576115.1523517645>

Integrating with Jenkins:

Part 1: Setting up the environment:

Installing Jenkins using docker

<https://www.jenkins.io/doc/book/installing/docker/>

| docker run --name jenkins-docker --rm --detach --privileged --network jenkins --network-alias docker --env DOCKER\_TLS\_CERTDIR=/certs --volume jenkins-docker-certs:/certs/client --volume jenkins-data:/var/jenkins\_home docker:dind |
| --- |

| docker run --name jenkins-blueocean --rm --detach --network jenkins --env DOCKER\_HOST=tcp://docker:2376 --env DOCKER\_CERT\_PATH=/certs/client --env DOCKER\_TLS\_VERIFY=1 --volume jenkins-data:/var/jenkins\_home --volume jenkins-docker-certs:/certs/client:ro --publish 8080:8080 --publish 50000:50000 myjenkins-blueocean:1.1 |
| --- |

| [root@ip-172-31-93-22 ~]# docker exec 69c5f3fc30e4 cat /var/jenkins\_home/secrets/initialAdminPassword |
| --- |

**Integration of jenkins and JIRA:**

<https://confluence.atlassian.com/adminjiracloud/integrate-jira-software-cloud-with-jenkins-972355471.html>

**Integration of JIRA with Github:**

<https://support.atlassian.com/jira-cloud-administration/docs/integrate-with-github/>

Demo:

<https://github.com/testdevops11/git-jenkins-jira>

Step:

1.Create a multibranch pipeline in jenkins.

2. Add github Repo

3. Give Jenkinsfile

4. Commit the changes with issue-id (eg: DT-7) -very important

4. Run the pipeline

5. Check the github portal.

a

| pipeline {  agent any  stages{  stage('Build') {  steps {  echo 'Building...'  }  post {  always {  jiraSendBuildInfo site: 'testing-devops123.atlassian.net'    }    }    }  }  } |
| --- |