Dkdjdk

Notification

Deploying k8 yaml

Connect to K8

Push to repo

Docker stage

Sonar stage

Maven build

Repo download

Jenkins

https://malleshdevops2021@bitbucket.org/malleshdevops2021/createat-task.git

Pre-requisistes:

1. Jenkins should be up and running.
2. Git repo should be available
3. Dockerfile should be return
4. Sonar server details should be available
5. K8 cluster should be up and running
6. K8 yaml files should be available

Stage: Repo download:

* Git installed into Jenkins
* Wirte the stage to clone the git repo

Stage: maven build

* Maven should be installed in Jenkins server and respective configurated should be updated in Jenkins.
* Write the stage to do the maven build.
* Mvn clean package

Stage: Sonar validation

* Sonar integration with Jenkins
* Wirte the stage code for sonar run

Stage: Docker image build

* Docker installation in Jenkins server
* Authentication to docker hub account
* Stage code for docker build

Docker build -t imagename:version .

Docker push imagename:version

Stage: Connect to the k8 cluster

* Copy the config file of k8 cluster into Jenkins server in the Jenkins user.
* Kubectl should be installed in jenkins
* Kubectl get ns

Stage: Deploy the application

* Deployment yaml should be written

Stage: notification

* Post block in Jenkins.