**GITOPS**

pipeline{

agent any

tools{

jdk 'jdk17

}

environment {

SCANNER\_HOME=tool 'sonar-scanner'

GIT\_REPO\_NAME = ""

GIT\_USER\_NAME = "" # change your Github Username here

}

stages {

stage('clean workspace'){ #

steps{

cleanWs()

}

}

stage('Checkout from Git'){

steps{

git branch: 'main', url: '

}

}

stage("Sonarqube Analysis "){

steps{

withSonarQubeEnv('sonar-server') {

sh ''' $SCANNER\_HOME/bin/sonar-scanner -Dsonar.projectName= \

-Dsonar.projectKey= ' name of repo

}

}

}

stage("quality gate"){

steps {

script {

waitForQualityGate abortPipeline: false, credentialsId: 'Sonar-token'

}

}

}

stage('Install Dependencies') {

steps {

sh ""

}

}

stage("Docker Build & Push"){ # based on projects push image in different register

steps{

script{

withDockerRegistry(credentialsId: 'docker', toolName: 'docker'){

sh "docker build -t ."

sh "docker tag nameimage:latest "

sh "docker push imagename:latest "

}

}

}

}

stage('Checkout Code') { /# update the deployment file automatically in GitHub

steps {

git branch: 'main', url: ''

}

}

stage('Update Deployment File') {

steps {

script {

withCredentials([string(credentialsId: 'github', variable: 'GITHUB\_TOKEN')]) {

NEW\_IMAGE\_NAME = "sevenajay/tetrisv1:latest" #update your image here

sh "sed -i 's|image: .\*|image: $NEW\_IMAGE\_NAME|' deployment.yml"

sh 'git add deployment.yml'

sh "git commit -m 'Update deployment image to $NEW\_IMAGE\_NAME'"

sh "git push https://${GITHUB\_TOKEN}@github.com/${GIT\_USER\_NAME}/${GIT\_REPO\_NAME} HEAD:main"

}

}

}

}

}

}

https://argo-cd.readthedocs.io/en/stable/getting\_started/

setup doc

<https://archive.eksworkshop.com/intermediate/290_argocd/install/>

