

Setting Up Jenkins Pipeline to Deploy Docker Swarm.

DESCRIPTION

Project objective:

You have to develop an environment for Docker networking.

Jenkins pipeline

```
node{
    def buildNumber=BUILD_NUMBER

    stage("Git Clone"){
        git branch: 'master', url: 'https://github.com/MithunTechnologiesDevOps/java-web-app-docker.git'
    }

    stage("Maven clean package"){
        def mavenHome= tool name: "Maven-3.8.6", type: "maven"
        def mavenCMD="${mavenHome}/bin/mvn"
        sh "${mavenCMD} clean package"
    }

    stage("Build Docker Image"){

        sh "docker build -t arvin2906/docker-jenkins:${buildNumber} ."
    }

    stage("Push Docker Image"){

        sh "docker login -u arvin2906 -p Catchemall2803!"
        sh "docker push arvin2906/docker-jenkins:${buildNumber} "
```

```
}
```

```
stage("Deploy Docker service in docker swarm cluster"){
```

```
    sshagent(['Swarm_manager']) {
```

```
        // some block
```

```
        sh "ssh -o StrictHostKeyChecking=no ubuntu@172.31.90.38 sudo docker service rm dockerjenkins || true"
```

```
        sh "ssh -o StrictHostKeyChecking=no ubuntu@172.31.90.38 sudo docker service create --name dockerjenkins --replicas 2 -p 80:80 httpd "
```

```
    }
```

```
}
```

```
}
```