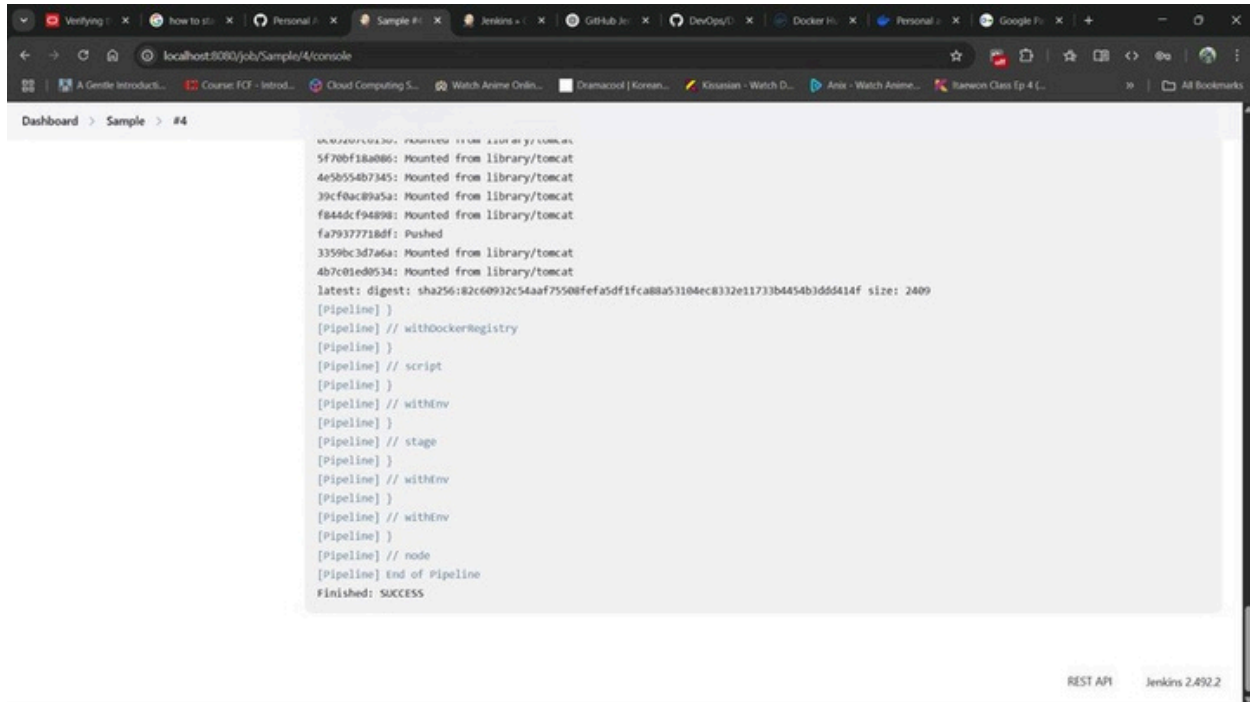


Mugesh V – 22CSR124 III CSE C DevOps Day 2 – Automation using Jenkins push image from github to docker hub using jenkins automation



docker

# sudo apt install docker.io -y

# sudo service docker restart

# sudo service docker status

# sudo usermod -aG docker \$USER

docker images

docker ps

```
# sudo chmod 666 /var/run/docker.sock
```

```
curl -LO https://dl.k8s.io/release/v1.32.0/bin/linux/amd64/kubectl
```

```
sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl
```

```
chmod +x kubectl
```

```
mkdir -p ~/.local/bin
```

```
mv ./kubectl ~/.local/bin/kubectl
```

```
kubectl version --client
```

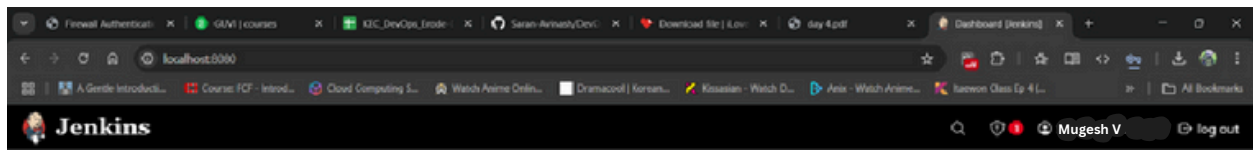
```
udo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl
```

```
chmod +x kubectl
```

```
mkdir -p ~/.local/bin
```

```
mv ./kubectl ~/.local/bin/kubectl
```

```
kubectl version --client
```



Dashboard >

[+ New Item](#)[Add description](#)

Build History

Project Relationship

Check File Fingerprint

Manage Jenkins

My Views

Open Blue Ocean

Build Queue

Build Executor Status

S	W	Name	Last Success	Last Failure	Last Duration	F
		Sample	1 day 16 hr #4	1 day 16 hr #3	53 sec	

Icons: S M L

REST API Jenkins 2.402.2

localhost:8080/simple-web-app/configure

Dashboard > Simple-web-app > Configuration

### Configure

- General
- Triggers
- Pipeline
- Advanced

### Pipeline

Define your Pipeline using Groovy directly or pull it from source control.

Definition

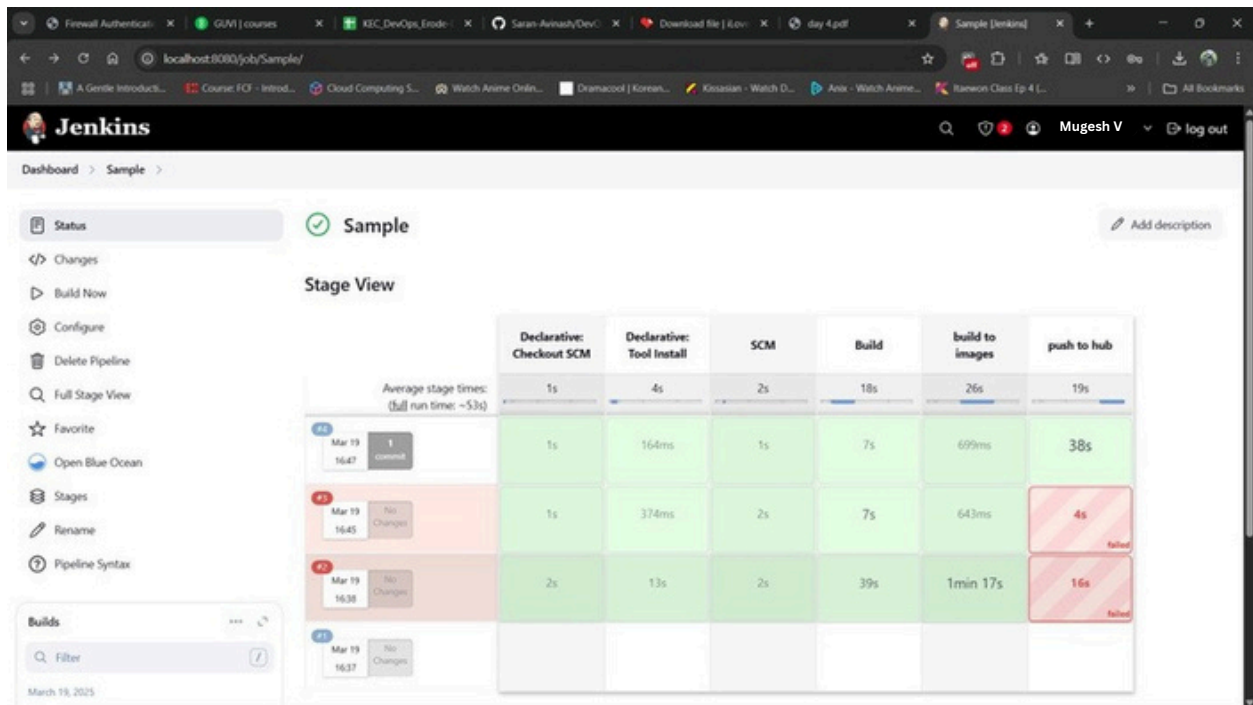
Pipeline script

```
Script ?
33- stage('Run Docker Container') {
34-   steps {
35-     script {
36-       bat "docker run -d -p 8888:8080 --name war-container ${DOCKER_HUB_USERNAME}/warimage-jenkins:latest"
37-     }
38-   }
39- }
40-
41- stage('Push to Docker Hub') {
42-   steps {
43-     script {
44-       withDockerRegistry(credentialsId: 'docker-hub-credentials', url: 'https://index.docker.io/v1/') {
45-         // Push the correctly tagged image
46-         bat "docker push ${DOCKER_HUB_USERNAME}/warimage-jenkins:latest"
47-       }
48-     }
49-   }
50- }
```

☒ Use Groovy Sandbox ?

[Pipeline Syntax](#)

Save Apply



Pipeline code

```
pipeline {
    agent any
    tools {maven "maven"}
    stages {
        stage('SCM') {
            steps {
                git branch: 'master', url: 'https://github.com/Saran-Avinash/DevOps.git'
            }
        }
        stage('Build') {
            steps {
                sh 'mvn clean package'
            }
        }
    }
}
```

```
}  
  
stage ( ' b u i l d   t o   i m a g e s ' ) {  
  steps {  
    script {  
      sh 'docker build -t saranavinashb/webapp1 .'  
    }  
  }  
}  
  
stage('push to hub') {  
  steps {  
    script {  
      withDockerRegistry(credentialsId: 'docker_cred', toolName: 'docker', url:  
'https://index.docker.io/v1/') {  
        sh 'docker push saranavinashb/webapp1'  
      }  
    }  
  }  
}  
  
}  
}
```

Upload file - Mugesha04/Dockerfile

docker hub - Search

Docker Hub

https://hub.docker.com/repositories/mugesha04

New Introducing our new CEO Don Johnson - Read More

dockerhub

ExploreMy Hub

Search Docker Hub

CSHAK

mugesha04

Docker Personal

Repositories

Settings

Default privacy

Notifications

Billing

Usage

Pulls

Storage

Repositories

All repositories within the mugesha04 namespace.

Search by repository name

All content

Create a repository

Name	Last Pushed	Contains	Visibility	Scout
mugesha04/guxidevopsday1	about 3 hours ago	image	Public	Inactive
mugesha04/warimage-jenkins	about 22 hours ago	image	Public	Inactive

1 - 2 of 2

https://hub.docker.com/repositories/

ENG IN

07:57 PM 19-03-2025