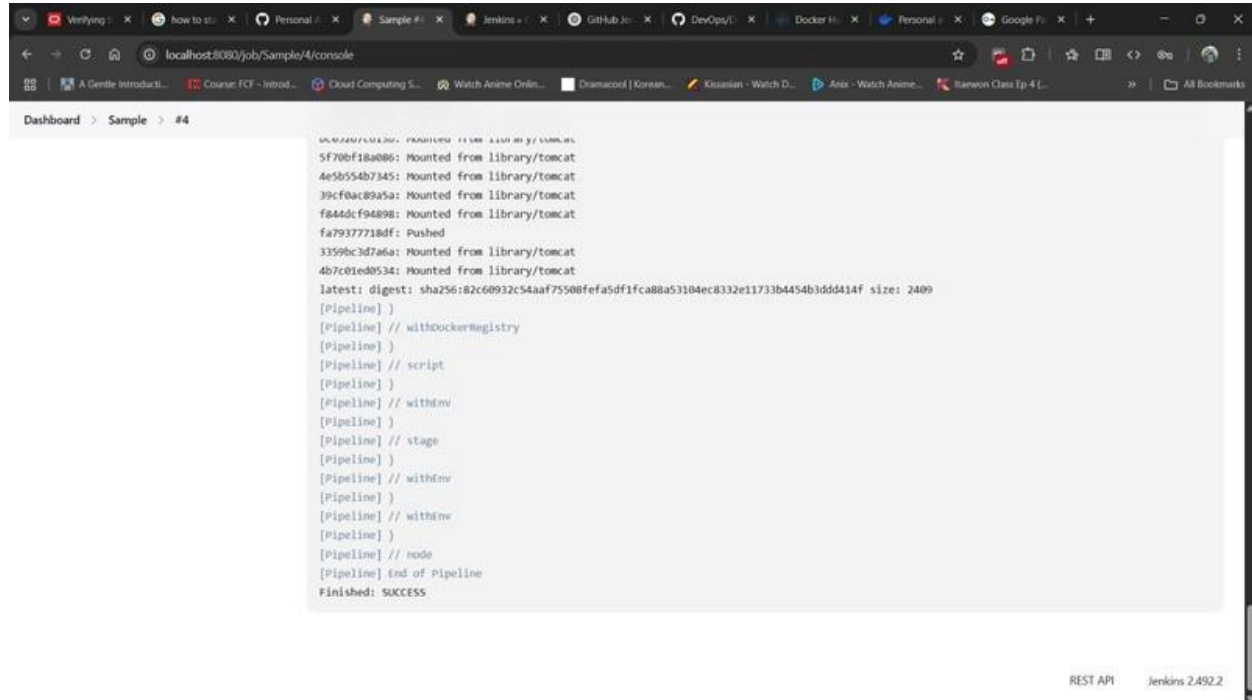


Sachinsandron S – 22CSR165 III CSE C DevOps Day 2 – Automation using Jenkins push image from github to docker hub using jenkins automation



```
560220750120: Mounted from library/tomcat
5F70bf18a086: Mounted from library/tomcat
4e5b554b7345: Mounted from library/tomcat
39cf0ac89a5a: Mounted from library/tomcat
f844dcf94898: Mounted from library/tomcat
fa79377718df: Pushed
3359bc3d7a6a: Mounted from library/tomcat
4b7c0ed0534: Mounted from library/tomcat
latest: digest: sha256:82c60932c54aaf75508fefa5df1fca88a53104ec8332e11733b4454b3ddd414f size: 2409
[Pipeline] }
[Pipeline] // withDockerRegistry
[Pipeline] }
[Pipeline] // script
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] end of Pipeline
Finished: SUCCESS
```

REST API Jenkins 2.492.2

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
```

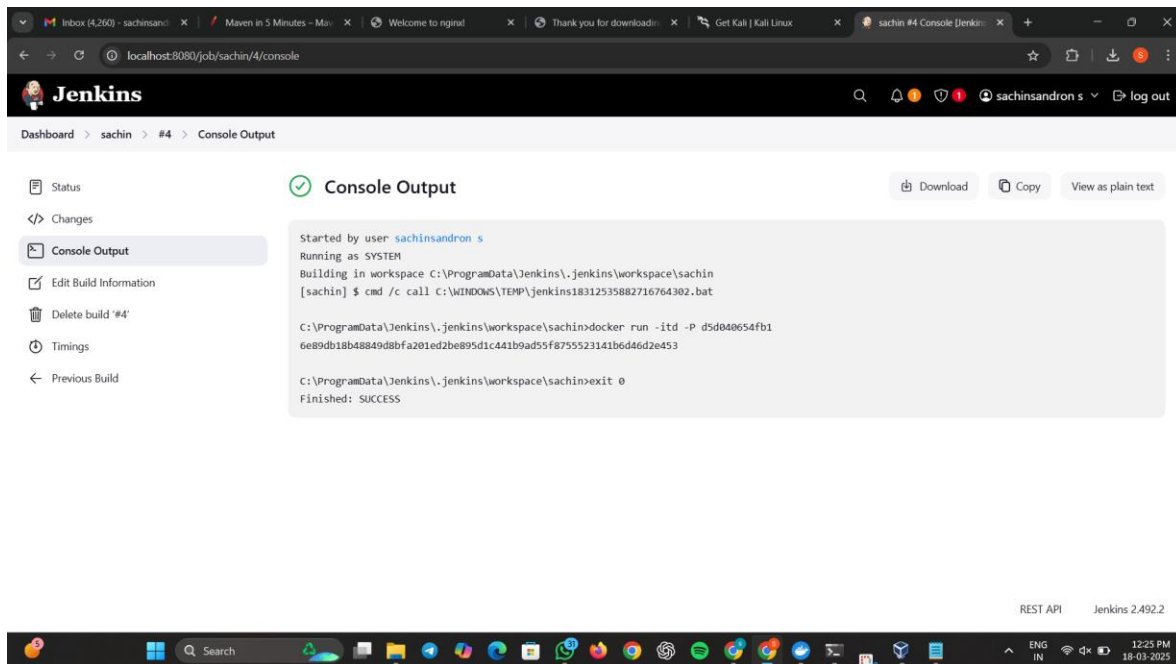
```
/usr/local/bin/kubectl chmod +x kubectl mkdir -p ~/.local/bin
```

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

kubectl version --client

The screenshot displays the Jenkins web interface in a browser. The top navigation bar includes the Jenkins logo, a search icon, notification icons, and a user profile 'sachinsandron' with a 'log out' link. The main content area is titled 'Dashboard' and features a sidebar on the left with links for 'New Item', 'Build History', 'Manage Jenkins', and 'My Views'. The central panel shows a table of build history with columns for status (S), icon (W), name, last success, last failure, and last duration. Two builds are listed: 'sachin' (successful, 0.75 sec) and 'simple-web app' (failed, 11 min). Below the table, there are sections for 'Build Queue' (empty) and 'Build Executor Status' (0/2). The bottom of the image shows a Windows taskbar with various application icons and a system clock indicating 02:27 PM on 21-03-2025.

S	W	Name ↓	Last Success	Last Failure	Last Duration
✓	✓	sachin	3 days 1 hr #4	3 days 1 hr #3	0.75 sec
✗	✓	simple-web app	2 days 22 hr #7	2 days 21 hr #6	11 min



```

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('build to images') {
      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'  
        }  
    }  
}  
}
```

