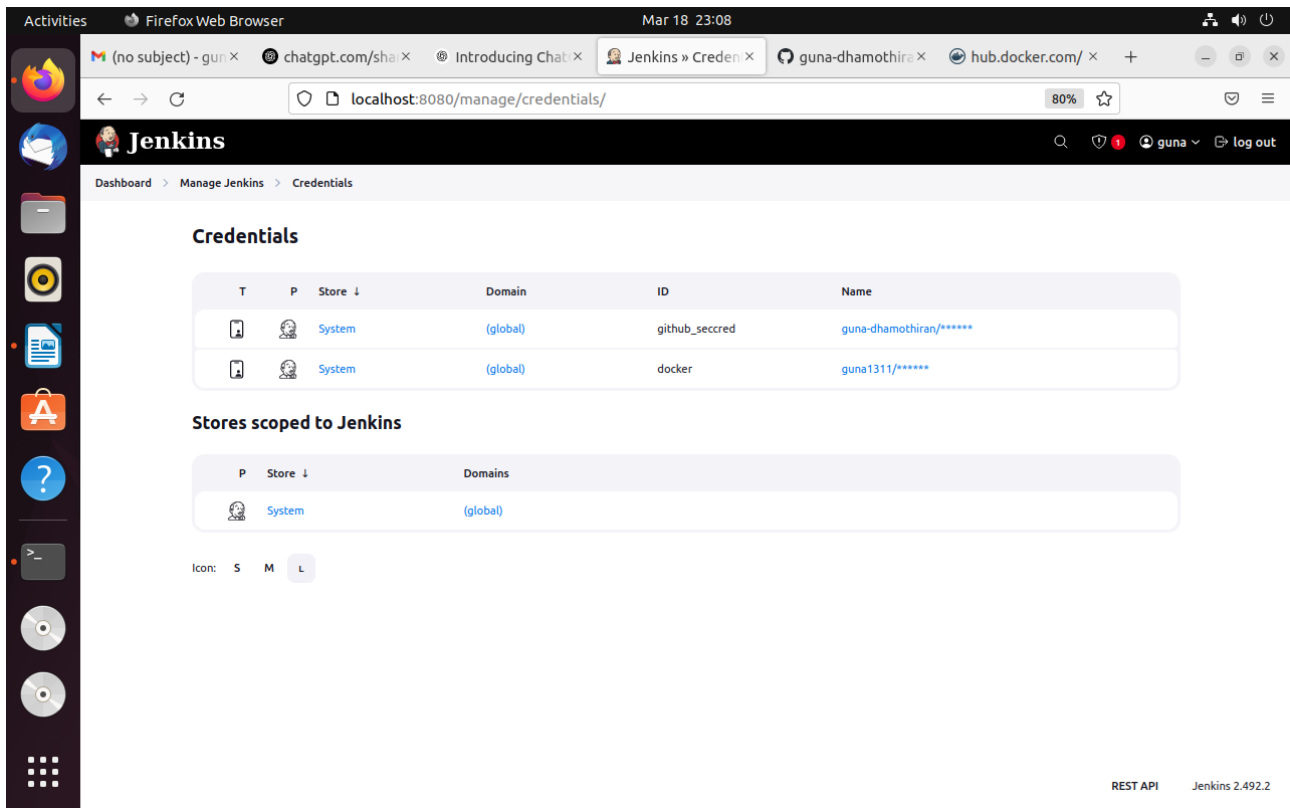


## DAY-2(TASK-2)

### PIPELINE SETUP



### PIPELINE SCRIPT

```
pipeline {  
  
  agent any  
  
  tools {  
  
    jdk 'jdk17'  
  
    nodejs 'node20'  
  
  }  
  
  stages {  
  
    stage('Clean Workspace') {  
  
      steps {
```

```
script {  
    echo "Cleaning workspace..."  
    deleteDir() // Deletes everything in the Jenkins workspace before starting  
}  
}  
}
```

```
stage('Git Checkout') {  
    steps {  
        script {  
            git branch: 'main',  
                credentialsId: 'github_seccred',  
                url: 'https://github.com/guna-dhamothiran/day2-devops.git'  
        }  
    }  
}
```

```
stage('Install Node') {  
    steps {  
        script {  
            sh ""  
            if [ -f package.json ]; then  
                echo "package.json found. Running npm install..."  
                npm install  
            else
```

```
    echo "ERROR: package.json is missing. Skipping npm install."

    exit 1

fi

""

}

}

}
```

```
stage('Docker Build & Push') {

    steps {

        script {

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

                def imageName = "guna1311/devops"

                def tag = "latest"

                sh "docker build -t ${imageName} ."

                sh "docker tag ${imageName} ${imageName}:${tag}"

                sh "docker push ${imageName}:${tag}"

            }

        }

    }

}

stage('Deploy Docker Container') {

    steps {

        script {

            // Stop and remove the existing container if it's running
```

```
sh "docker stop jusjes_container || true"
```

```
sh "docker rm jusjes_container || true"
```

```
// Run the new container
```

```
sh "docker run -d --name jusjes_container -p 3001:3000 guna1311/devops:latest"
```

```
}
```

```
}
```

```
}
```

```
}
```

```
}
```

Activities Firefox Web Browser Mar 18 23:14

(no subject) - guni X chatgpt.com/sha X Introducing Chat X task2\_devops [Je X guna-dhamothire X hub.docker.com/ X

localhost:8080/job/task2\_devops/ 80%

# Jenkins

Dashboard > task2\_devops >

Status task2\_devops [Add description](#)

</> Changes  
▶ Build Now  
⚙️ Configure  
🗑️ Delete Pipeline  
🔍 Full Stage View  
📁 Stages  
✎️ Rename  
🔗 Pipeline Syntax

**Builds**

Filter

Today

- #12 10:45 PM
- #11 10:22 PM

## Stage View

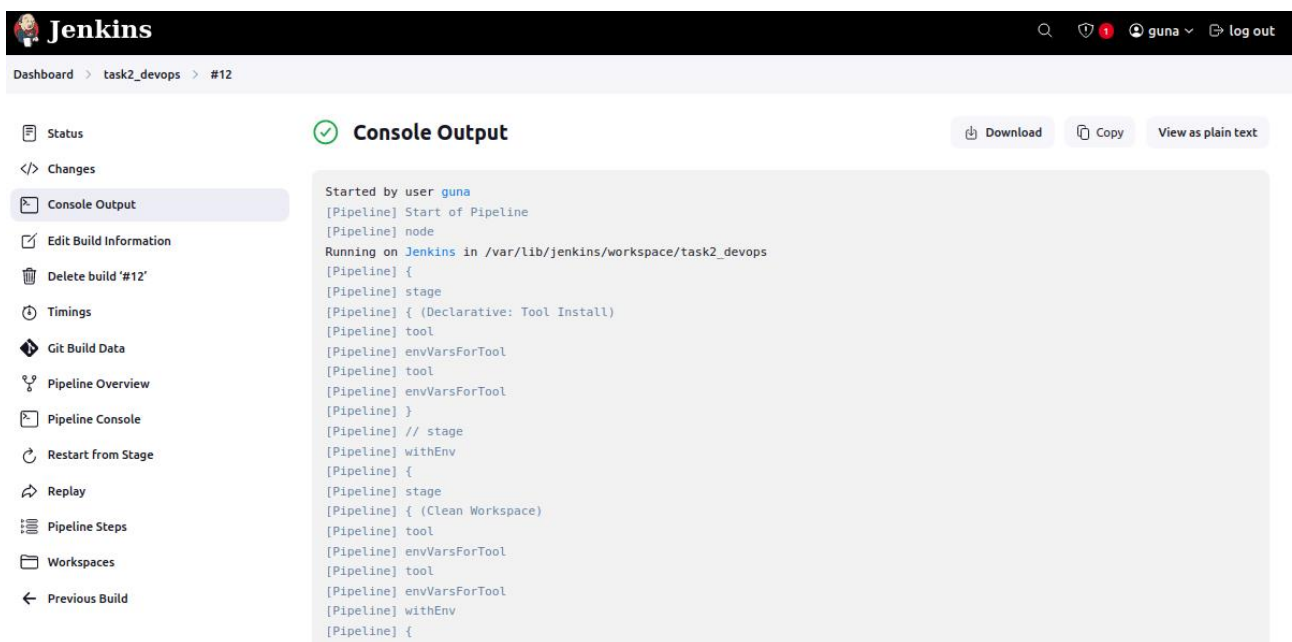
Average stage times: (full run time: ~8min 6s)

	Declarative: Tool Install	Clean Workspace	Git Checkout	Install Node	Docker Build & Push	Deploy Docker Container
#12 22:45 No Changes	934ms	12s	5s	3min 35s	3min 57s	8s
#11 22:22 No Changes	1s	14s	7s	5min 15s	4min 26s failed	955ms failed

## Permalinks

- Last build (#12), 29 min ago
- Last stable build (#12), 29 min ago
- Last successful build (#12), 29 min ago
- Last failed build (#11), 52 min ago
- Last unsuccessful build (#11), 52 min ago
- Last completed build (#12), 29 min ago

REST API Jenkins 2.492.2



<http://localhost:3001/>

