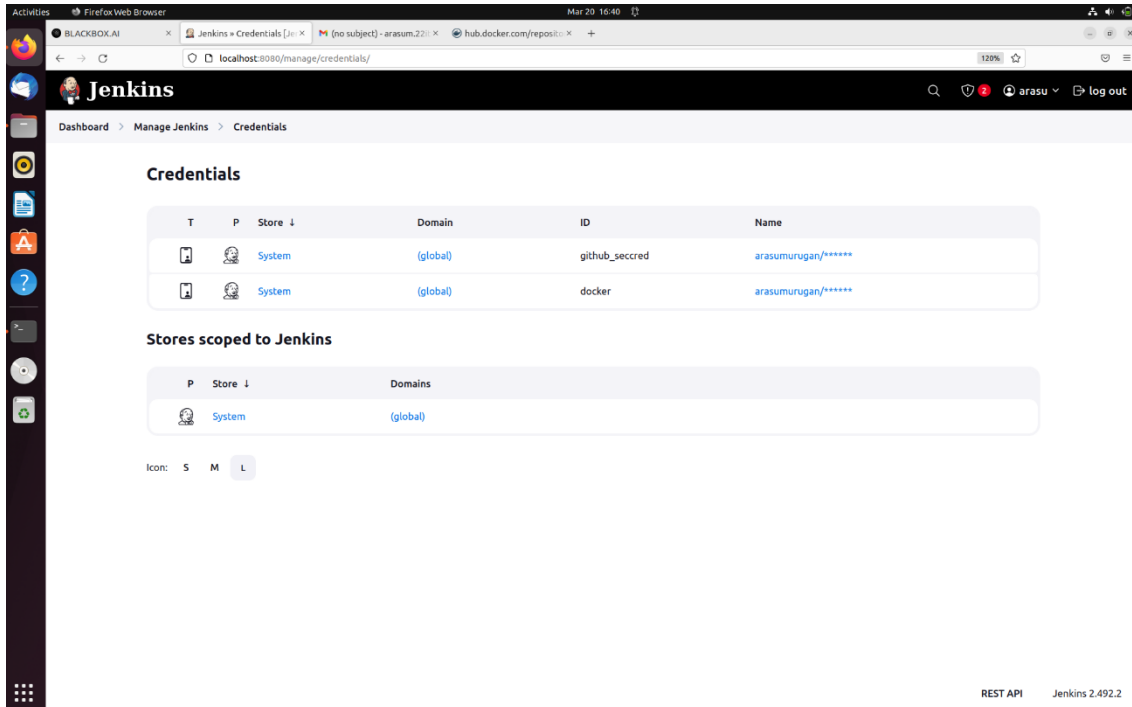


## DAY-2(TASK-2)

## 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_secured',

            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 20 16:38

BLACKBOX.AI x pipeline1 [Jenkins] x (no subject) - arasun.22 x hub.docker.com/repos... x

localhost:8080/job/pipeline1/ 120%

# Jenkins

Dashboard > pipeline1 >

Status pipeline1 Add description

Changes

Build Now

Configure

Delete Pipeline

Full Stage View

Stages

Rename

Pipeline Syntax

Buils

Filter

March 19, 2025

#20 1:29 PM

#19 12:50 PM

## Stage View

Average stage times: (full run time: ~8min 54s)

	Declarative: Tool Install	Clean Workspace	Git Checkout	Install Node	Docker Build & Push	Deploy Docker Container
12s	4s	5s	3min 15s	3min 8s	3s	
Mar 19 13:29 No Changes	24s	3s	4s	3min 41s	4min 31s	6s
Mar 19 12:50 2 commits	1s	4s	6s	2min 49s	1min 45s failed	237ms failed

## Permalinks

- Last build (#20), 1 day 2 hr ago
- Last stable build (#20), 1 day 2 hr ago
- Last successful build (#20), 1 day 2 hr ago
- Last failed build (#19), 1 day 3 hr ago
- Last unsuccessful build (#19), 1 day 3 hr ago
- Last completed build (#20), 1 day 2 hr ago

REST API Jenkins 2.492.2

# Jenkins

Dashboard > task2\_devops > #12

Status Console Output Download Copy View as plain text

Changes

Console Output

Edit Build Information

Delete build '#12'

Timings

Git Build Data

Pipeline Overview

Pipeline Console

Restart from Stage

Replay

Pipeline Steps

Workspaces

Previous Build

```

Started by user guna
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in /var/lib/jenkins/workspace/task2_devops
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Declarative: Tool Install)
[Pipeline] tool
[Pipeline] envVarsForTool
[Pipeline] tool
[Pipeline] envVarsForTool
[Pipeline] }
[Pipeline] // stage
[Pipeline] withEnv
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Clean Workspace)
[Pipeline] tool
[Pipeline] envVarsForTool
[Pipeline] tool
[Pipeline] envVarsForTool
[Pipeline] withEnv
[Pipeline] {

```

http://localhost:3001/

