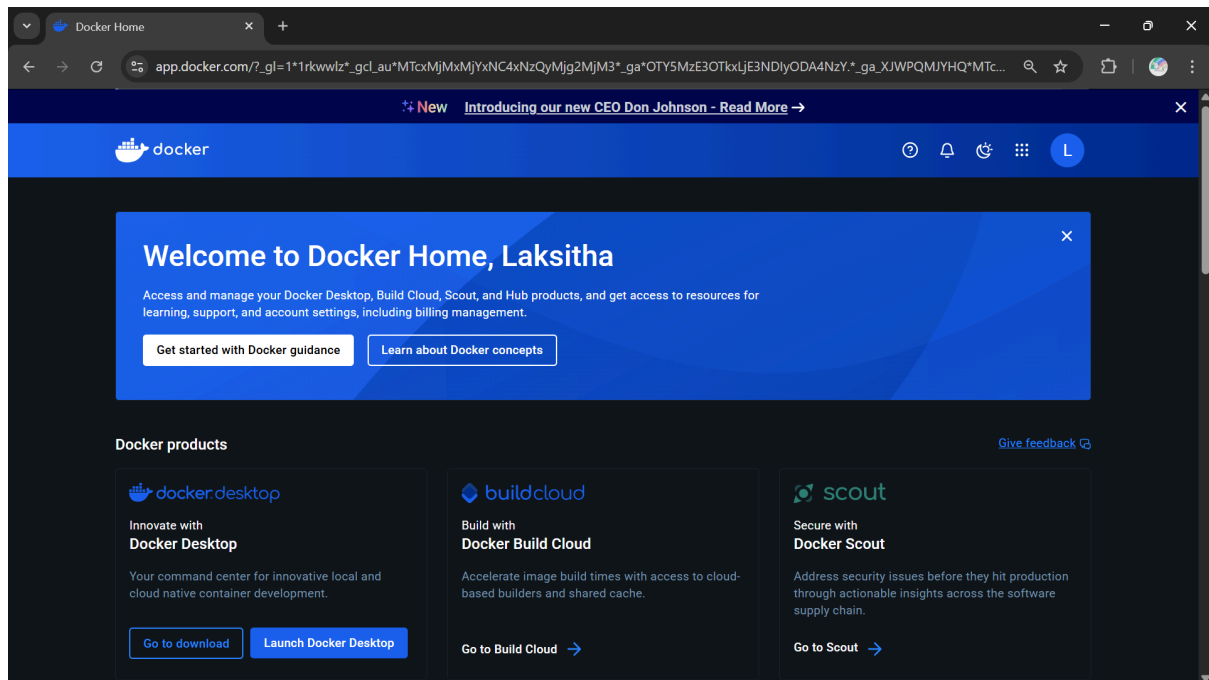


DAY 2



2.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_seccred2',
            url: https://github.com/Laksitha11/Devops\_class.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
    }
    }
}
stage('Docker Build & Push') {
    steps {
        script {
            withDockerRegistry(credentialsId: 'docker2', toolName: 'docker') {
                def imageName = "laksitha11/task2"
                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 5001:5000 laksitha11/task2:latest"
    }
  }
}
}
}
}
}

```

3. TOOLS CONFIG:

Java

Nodejs

Docker

4.Plugins:

Nodejs

Docker related(except build)

Eclipse

Pipeline

5.credentials:

Github&docker

For docker build &deploy

Sudo usemod -aG docker Jenkins

Sudo chmod 666 /var/run/docker.sock

Sudo systemctl restart Jenkins

Sudo systemctl status Jenkins

laksi_pipeline [Jenkins]

Hotstar

Notepad link /wtl.wp - F

Inbox (2,233) - kapeesh

Groovy Syntax Error Fix

Firewall Authentication

localhost:8080/job/laksi_pipeline/

Jenkins

Kapeesh log out

Dashboard > laksi_pipeline >

Status

Changes

Build Now

Configure

Delete Pipeline

Full Stage View

Stages

Rename

Pipeline Syntax

Builds

Filter

Today

#15 9:10 PM

#14 3:57 PM

laksi_pipeline

Add description

Stage View

Average stage times:
(full run time: ~3min 3s)

	Declarative: Tool Install	Clean Workspace	Git Checkout	Install Node	Docker Build & Push	Deploy Docker Container
21:10 No Changes	230ms	374ms	4s	47s	2min 5s	2s
15:57 No Changes						
15:47 No Changes						

Permalinks

Last build (#14), 5 hr 12 min ago

Last failed build (#14), 5 hr 12 min ago

Last unsuccessful build (#14), 5 hr 12 min ago

Last completed build (#14), 5 hr 12 min ago

REST API Jenkins 2.492.2

laksi_pipeline #15 [Jen]

Hotstar

Notepad.link /wttLwp

Inbox (2,233) - kapeesh

Groovy Syntax Error Fix

Firewall Authentication

localhost:8080/job/laksi_pipeline/15/

Jenkins

Dashboard > laksi_pipeline > #15

Status

Changes

Console Output

Edit Build Information

Delete build '#15'

Timings

Git Build Data

Pipeline Overview

Pipeline Console

Restart from Stage

Replay

Pipeline Steps

Workspaces

Previous Build

#15 (Mar 19, 2025, 9:10:30 PM)

Started by user Kapeesh

This run spent:

- 19 ms waiting;
- 3 min 3 sec build duration;
- 3 min 3 sec total from scheduled to completion.

Revision: ce4654582d3a48192af2ce487008ef4989fa32bb
Repository: https://github.com/Laksitha11/Devops_class.git

- refs/remotes/origin/main

No changes.

Add description

Keep this build forever

Started 17 min ago
Took 3 min 3 sec

REST API Jenkins 2.492.2

laksi_pipeline #15 Console

Hotstar

Notepad.link /wttLwp

Inbox (2,233) - kapeesh

Groovy Syntax Error Fix

Firewall Authentication

localhost:8080/job/laksi_pipeline/15/console

Dashboard > laksi_pipeline > #15

```
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Deploy Docker Container)
[Pipeline] tool
[Pipeline] envVarsForTool
[Pipeline] tool
[Pipeline] envVarsForTool
[Pipeline] withEnv
[Pipeline] {
[Pipeline] script
[Pipeline] {
[Pipeline] sh
+ docker stop jusjes_container
jusjes_container
[Pipeline] sh
+ docker rm jusjes_container
jusjes_container
[Pipeline] sh
+ docker run -d --name jusjes_container -p 5001:5000 laksitha11/task2:latest
bdae1820bc5cbb784678be10fc18beb666dbdd434f2f79b2b5da0e07067702f3
[Pipeline] }
[Pipeline] // script
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```

REST API Jenkins 2.492.2

localhost:3001

