

## DEVOPS DOCKER AND JENKINS DAY-2

Dashboard > docker >

Changes  
Build Now  
Configure  
Delete Pipeline  
Full Stage View  
Stages  
Rename  
Pipeline Syntax

### Stage View

Average stage times:  
(full run time: ~34min 12s)

	Declarative: Tool Install	Clean Workspace	Git Checkout	Install Node	Docker Build & Push	Deploy Docker Container
#29	351ms	4s	6s	2min 15s	31min 39s	2s

100% No Changes

### Permalinks

- Last build (#29), 34 min ago
- Last failed build (#28), 1 hr 7 min ago
- Last unsuccessful build (#28), 1 hr 7 min ago
- Last completed build (#28), 1 hr 7 min ago

**Builds**

Filter

Today

- #29 4:36 AM
- #28 4:03 AM
- #27 3:46 AM
- #26 3:20 AM
- #25 3:16 AM

Dashboard >

+ New Item  
Build History  
Project Relationship  
Check File Fingerprint  
Manage Jenkins  
My Views

Build Queue  
No builds in the queue.

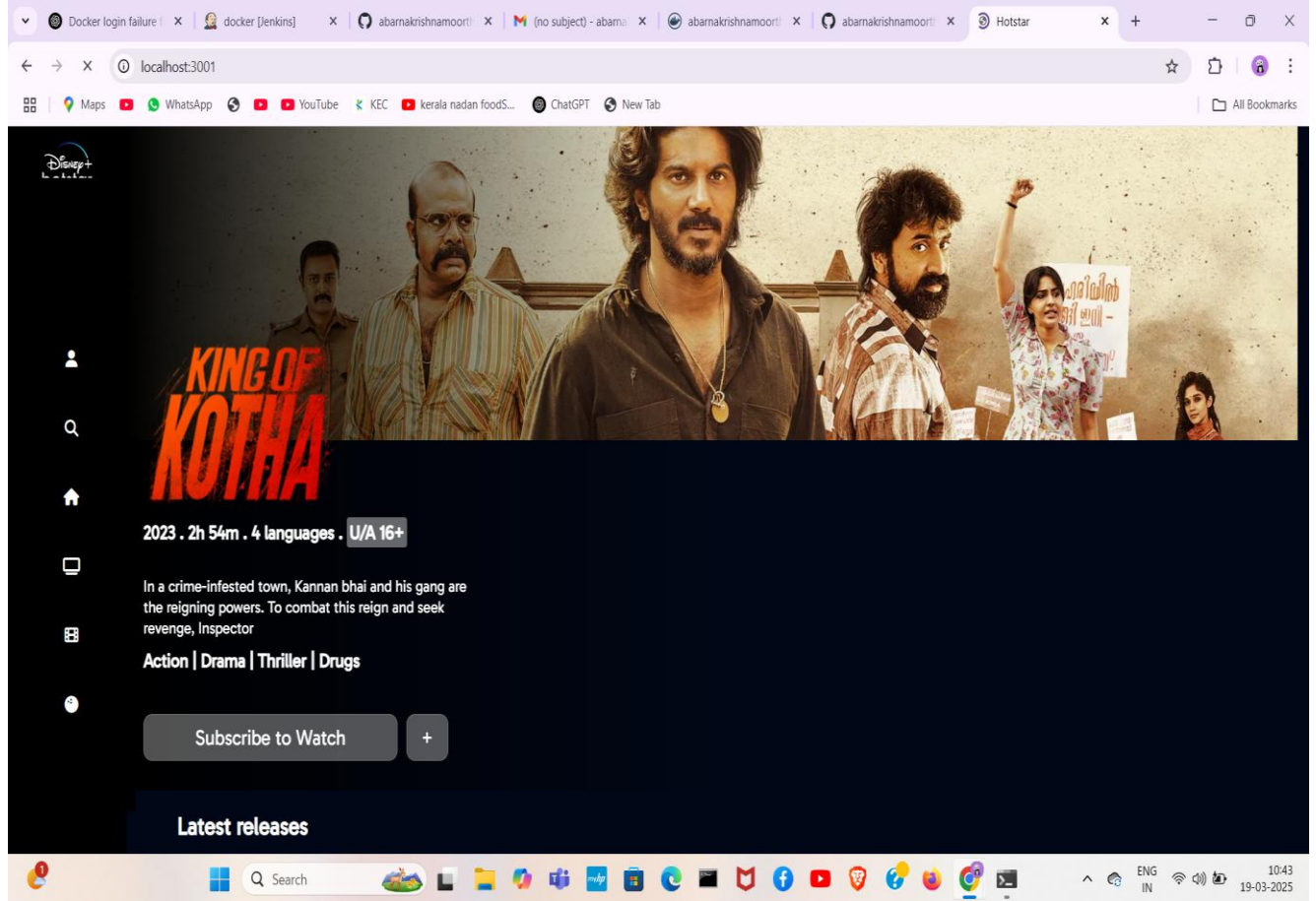
Build Executor Status  
0/2

All +

S	W	Name ↓	Last Success	Last Failure	Last Duration
✓	☁	docker	37 min #29	1 hr 10 min #28	34 min
✓	☀	engineers pipeline	20 hr #1	N/A	10 sec

Icon: S M L

REST API Jenkins 2.492.2



```
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/abarnakrishnamoorthi/repo-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 = "abarnakrishnamoorthi/my-repo1"

                        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 hotstar_container || true"
            sh "docker rm hotstar_container || true"

            // Run the new container
            sh "docker run -d --name hotstar_container -p 3001:3000 abarnakrishnamoorthi/my-repo1:latest"
        }
    }
}
}
```