

# DEVOPS DAY-6

react pipeline [Jenkins]

react pipeline Config [Jenkins]

abarnakrishnamoorthi/my-repo

React App

localhost:8080/job/react%20pipeline/

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Jenkins

abarna

log out

Dashboard > react pipeline >

Status

Changes

Build Now

Configure

Delete Pipeline

Full Stage View

Stages

Rename

Pipeline Syntax

react pipeline

Add description

Stage View

Average stage times:  
(full run time: ~8min 45s)

#1

21:05

No Changes

Declarative: Tool Install	Clean Workspace	Git Checkout	Install Node	Docker Build & Push	Deploy Docker Container
589ms	703ms	4s	27s	8min 3s	2s
589ms	703ms	4s	27s	8min 3s	2s

Permalinks

Last build (#1), 4 min 59 sec ago

Builds

Filter

Today

#1 3:35 PM

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21:19 21-03-2025

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localhost:3002

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localhost:8080

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Dashboard

Build HistoryProject RelationshipCheck File FingerprintManage JenkinsMy Views

Build Queue

No builds in the queue.

Build Executor Status

(0 of 2 executors busy)

S	W	Name ↓	Last Success	Last Failure	Last Duration
...	☀️	deepika-pipeline	N/A	N/A	N/A
✓	☁️	docker	2 days 7 hr #31	2 days 11 hr #28	25 min
...	☀️	docker-1	N/A	N/A	N/A
✓	☀️	engineers pipeline	2 days 7 hr #2	N/A	6.6 sec
...	☀️	java maven	N/A	N/A	N/A
✓	☀️	lipiga-pipeline	1 day 11 hr #6	N/A	6 min 40 sec
✓	☀️	react pipeline	14 min #1	N/A	8 min 45 sec
✗	☁️	us-pipeline	2 days 7 hr #1	2 days 6 hr #2	0.15 sec

Icon: S M L

react pipeline #1 Console [Jenki x github.com x DEVOPS DA6.pdf x Hotstar x Inbox (2,489) - abarnak.22it@k x +

localhost:8080/job/react%20pipeline/1/console

Jenkins

Dashboard > react pipeline > #1

Console Output

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```
Started by user abarna
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in /var/lib/jenkins/workspace/react pipeline
[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] {
[Pipeline] script
[Pipeline] f
```

3

09:05 22-03-2025

```
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/devops-react.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 {  
      def imageName = "abarnakrishnamoorthi/my-repo1" // Define image name  
      def tag = "latest1" // Define tag  
  
      withDockerRegistry(credentialsId: 'docker') {  
        sh "docker build -t ${imageName}:${tag} ." // Build Docker image  
        sh "docker push ${imageName}:${tag}" // Push Docker image to registry  
      }  
    }  
  }  
}
```

```
}  
  
}  
  
}  
  
  
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 3002:3000 abarnakrishnamoorthi/my-repo1:latest1"  
    }  
  }  
}  
  
}
```