

CC Lab 6

Name - Rithvik Rajesh Matta

SRN - PES2UG23CS485

\Class - 6H

ss1

```
[rtk@PES2UG23CS485 cc-lab-6]$ docker logs jenkins
Running from: /usr/share/jenkins/jenkins.war
webroot: /var/jenkins_home/war
2026-02-17 09:12:28.333+0000 [id=1] INFO winstone.Logger#logInternal: Beginning extraction from war file
2026-02-17 09:12:31.851+0000 [id=1] WARNING o.e.j.ee9.nested.ContextHandler#setContextPath: Empty contextPath
2026-02-17 09:12:31.922+0000 [id=1] INFO org.eclipse.jetty.server.Server#doStart: jetty-12.1.5; built: 2025-12-03T22:18:24.732Z; git: 4905d09d7b6801e792d7b73946cf7b66a4be25d6; jvm 21.0.9+10-LTS
2026-02-17 09:12:32.953+0000 [id=1] INFO o.e.j.e.w.StandardDescriptorProcessor#visitServlet: NO JSP Support for /, did not find org.eclipse.jetty.ee9.jsp.JettyJspServlet
2026-02-17 09:12:33.039+0000 [id=1] INFO o.e.j.s.DefaultSessionIdManager#doStart: Session workerName=node0
2026-02-17 09:12:33.514+0000 [id=1] INFO hudson.WebAppMain#contextInitialized: Jenkins home directory: /var/jenkins_home found at: EnvVars.masterEnvVars.get("JENKINS_HOME")
2026-02-17 09:12:33.749+0000 [id=1] INFO o.e.j.s.handler.ContextHandler#doStart: Started oeje9n.ContextHandler$CoreContextHandler@3681037{Jenkins v2.541.1,/,b=file:///var/jenkins_home/war/,a=AVAILABLE,h=oeje9n.ContextHandler$CoreContextHandler$CoreToNestedHandler@2459319c{STARTED}}
2026-02-17 09:12:33.782+0000 [id=1] INFO o.e.j.server.AbstractConnector#doStart: Started oejs.ServerConnector@79c80215{HTTP/1.1,(http/1.1)}[0.0.0.0:8080]
2026-02-17 09:12:33.784+0000 [id=1] INFO org.eclipse.jetty.server.Server#doStart: Started oejs.Server@653a665ad{STARTING}[12.1.5,sto=0] @1863ms
2026-02-17 09:12:33.785+0000 [id=40] INFO winstone.Logger#logInternal: Winstone Servlet Engine running: controlPort=disabled
2026-02-17 09:12:33.983+0000 [id=39] INFO jenkins.model.Jenkins#<init>: Starting version 2.541.1
2026-02-17 09:12:34.131+0000 [id=48] INFO jenkins.InitReactorRunner$1#onAttained: Started initialization
2026-02-17 09:12:34.151+0000 [id=52] INFO jenkins.InitReactorRunner$1#onAttained: Listed all plugins
2026-02-17 09:12:35.575+0000 [id=58] INFO jenkins.InitReactorRunner$1#onAttained: Prepared all plugins
2026-02-17 09:12:35.583+0000 [id=49] INFO jenkins.InitReactorRunner$1#onAttained: Started all plugins
2026-02-17 09:12:35.584+0000 [id=52] INFO jenkins.InitReactorRunner$1#onAttained: Augmented all extensions
2026-02-17 09:12:35.763+0000 [id=59] INFO jenkins.InitReactorRunner$1#onAttained: System config loaded
2026-02-17 09:12:35.764+0000 [id=47] INFO jenkins.InitReactorRunner$1#onAttained: System config adapted
2026-02-17 09:12:35.764+0000 [id=47] INFO jenkins.InitReactorRunner$1#onAttained: Loaded all jobs
2026-02-17 09:12:35.765+0000 [id=46] INFO jenkins.InitReactorRunner$1#onAttained: Configuration for all jobs updated
2026-02-17 09:12:35.812+0000 [id=75] INFO hudson.util.Retrier#start: Attempt #1 to do the action check updates server
2026-02-17 09:12:36.194+0000 [id=58] INFO jenkins.install.SetupWizard#init:
[LF]>
[LF]> *****
[LF]> *****
[LF]> *****
[LF]>
[LF]> Jenkins initial setup is required. An admin user has been created and a password generated.
[LF]> Please use the following password to proceed to installation:
[LF]>
[LF]> 157199ab203a4a3d83b9a712bd79138c
[LF]>
[LF]> This may also be found at: /var/jenkins_home/secrets/initialAdminPassword
[LF]>
[LF]> *****
[LF]> *****
[LF]> *****
2026-02-17 09:12:43.013+0000 [id=50] INFO jenkins.InitReactorRunner$1#onAttained: Completed initialization
2026-02-17 09:12:43.036+0000 [id=39] INFO hudson.lifecycle.Lifecycle#onReady: Jenkins is fully up and running
2026-02-17 09:12:45.392+0000 [id=75] INFO h.m.DownloadService$Downloadable#load: Obtained the updated data file for hudson.tasks.Maven.MavenInstaller
2026-02-17 09:12:45.392+0000 [id=75] INFO hudson.util.Retrier#start: Performed the action check updates server successfully at the attempt #1
[rtk@PES2UG23CS485 cc-lab-6]$
```

Ss2

Jenkins / Rithvik Rajesh Matta - PES...

Rithvik Rajesh Matta - PES2UG23CS485
Add description

Profile

Builds

My Views

Account

Appearance

Preferences

Security

Experiments

Credentials

Jenkins User ID: rtk

REST API Jenkins 2.541.1

Ss3

Jenkins / PES2UG23CS485-backend... / #12

Status

Changes

Console Output

Edit Build Information

Delete build '#12'

Timings

Git Build Data


Previous Build

Console
Download
Copy
View as plain text




```

Started by user Rithvik Rajesh Matta - PES2UG23CS485
Running as SYSTEM
Building in workspace /var/jenkins_home/workspace/PES2UG23CS485-backend-build
The recommended git tool is: NONE
No credentials specified
> git rev-parse --resolve-git-dir /var/jenkins_home/workspace/PES2UG23CS485-backend-build/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/rtk5/PES2UG23CS485_Jenkins # timeout=10
Fetching upstream changes from https://github.com/rtk5/PES2UG23CS485_Jenkins
> git --version # timeout=10
> git --version # 'git version 2.47.3'
> git fetch --tags --force --progress -- https://github.com/rtk5/PES2UG23CS485_Jenkins
+refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/main^{commit} # timeout=10
Checking out Revision 448d0cc614f3ef9c8aa794d85c61b456bc5e8fb3 (refs/remotes/origin/main)
> git config core.sparsecheckout # timeout=10
> git checkout -f 448d0cc614f3ef9c8aa794d85c61b456bc5e8fb3 # timeout=10
Commit message: "Fix Docker build context and update NGINX config path"
> git rev-list --no-walk 448d0cc614f3ef9c8aa794d85c61b456bc5e8fb3 # timeout=10
[PES2UG23CS485-backend-build] $ /bin/sh -xe /tmp/jenkins4265340413110964982.sh
+ docker build -t backend-app backend
#0 building with "default" instance using docker driver
          
```

Ss4

 Jenkins

PES2UG23CS485-backend... #12



Status

</> Changes

Console Output


Edit Build Information


Delete build '#12'

Timings


Git Build Data


Previous Build

 #12 (Feb 17, 2026, 10:01:51 AM)


 Add description

Keep this build forever


 Started by user [Rithvik Rajesh Matta - PES2UG23CS485](#)

 This run spent:

- 9 ms waiting;
- 4 min 10 sec build duration;
- 4 min 10 sec total from scheduled to completion.

 **Revision:** 448d0cc614f3ef9c8aa794d85c61b456bc5e8fb3
Repository: https://github.com/rtk5/PES2UG23CS485_Jenkins


- refs/remotes/origin/main

 No changes.




Started 5 min 37 sec ago
Took 4 min 10 sec

REST API Jenkins 2.541.1

Ss5

 Jenkins

PES2UG23CS485-backend...



Status

</> Changes

Workspace

Build with Parameters

Configure

Delete Project

Git Polling Log

Rename

Project PES2UG23CS485-backend-build

This build requires parameters:

Backend_Count

1


▶ Build


Cancel


Builds >


Filter


Today

 #13 10:12 AM

 #12 10:01 AM

 #11 10:00 AM

 #10 9:58 AM

 Jenkins

PES2UG23CS485-backend...

Search

Settings

User

Status

Changes

Workspace

Build with Parameters

Configure

Delete Project

Git Polling Log

Rename

Project PES2UG23CS485-backend-build

This build requires parameters:

Backend_Count

2

Build

Cancel

Builds >

Filter

Today


✓ #13 10:12 AM

✓ #12 10:01 AM

✗ #11 10:00 AM

✗ #10 9:58 AM

Ss6

 Jenkins

PES2UG23CS485-backend... #13

Status

Changes

Console Output

Edit Build Information

Delete build '#13'

Parameters

Timings

Git Build Data

Previous Build

Console

DownloadCopyView as plain text

Started by user Rithvik Rajesh Matta - PES2UG23CS485

Running as SYSTEM

Building in workspace /var/jenkins_home/workspace/PES2UG23CS485-backend-build

The recommended git tool is: NONE

No credentials specified

> git rev-parse --resolve-git-dir /var/jenkins_home/workspace/PES2UG23CS485-backend-build/.git # timeout=10

Fetching changes from the remote Git repository

> git config remote.origin.url https://github.com/rtk5/PES2UG23CS485_Jenkins # timeout=10

Fetching upstream changes from https://github.com/rtk5/PES2UG23CS485_Jenkins

> git --version # timeout=10

> git --version # 'git version 2.47.3'

> git fetch --tags --force --progress -- https://github.com/rtk5/PES2UG23CS485_Jenkins +refs/heads/*:refs/remotes/origin/* # timeout=10

> git rev-parse refs/remotes/origin/main^{commit} # timeout=10

Checking out Revision 448d0cc614f3ef9c8aa794d85c61b456bc5e8fb3 (refs/remotes/origin/main)

> git config core.sparsecheckout # timeout=10

> git checkout -f 448d0cc614f3ef9c8aa794d85c61b456bc5e8fb3 # timeout=10


Commit message: "Fix Docker build context and update NGINX config path"

> git rev-list --no-walk 448d0cc614f3ef9c8aa794d85c61b456bc5e8fb3 # timeout=10

[PES2UG23CS485-backend-build] \$ /bin/sh -xe /tmp/jenkins18056820130968195359.sh

+ docker rm -f backend1 backend2

Error response from daemon: No such container: backend1

 Jenkins

PES2UG23CS485-backend... #14

Status

Changes

Console Output

Edit Build Information

Delete build '#14'

Parameters

Timings

Git Build Data

Previous Build

Console

DownloadCopyView as plain text

Started by user Rithvik Rajesh Matta - PES2UG23CS485

Running as SYSTEM

Building in workspace /var/jenkins_home/workspace/PES2UG23CS485-backend-build

The recommended git tool is: NONE

No credentials specified

> git rev-parse --resolve-git-dir /var/jenkins_home/workspace/PES2UG23CS485-backend-build/.git # timeout=10

Fetching changes from the remote Git repository

> git config remote.origin.url https://github.com/rtk5/PES2UG23CS485_Jenkins # timeout=10

Fetching upstream changes from https://github.com/rtk5/PES2UG23CS485_Jenkins

> git --version # timeout=10

> git --version # 'git version 2.47.3'

> git fetch --tags --force --progress -- https://github.com/rtk5/PES2UG23CS485_Jenkins +refs/heads/*:refs/remotes/origin/* # timeout=10

> git rev-parse refs/remotes/origin/main^{commit} # timeout=10

Checking out Revision 448d0cc614f3ef9c8aa794d85c61b456bc5e8fb3 (refs/remotes/origin/main)

> git config core.sparsecheckout # timeout=10

> git checkout -f 448d0cc614f3ef9c8aa794d85c61b456bc5e8fb3 # timeout=10

Commit message: "Fix Docker build context and update NGINX config path"

> git rev-list --no-walk 448d0cc614f3ef9c8aa794d85c61b456bc5e8fb3 # timeout=10

[PES2UG23CS485-backend-build] \$ /bin/sh -xe /tmp/jenkins17234028996464249671.sh

+ docker rm -f backend1 backend2

backend1

backend2

Ss7

Jenkins / LAB6-PIPELINE-NGINX / #3 / Stages

✓ #3 Rerun ⚙️

Started by Rithvik Rajesh Matta - PES2UG23CS485 ⌚ Started 1 min 15 sec ago ⌚ Queued 61 ms ⌚ Took 15 sec

Graph

```

graph LR
    Start((Start)) --> Checkout[Checkout SCM]
    Checkout --> Build[Build Backend Image]
    Build --> DeployBackend[Deploy Backend...]
    DeployBackend --> DeployLoad[Deploy NGINX Load...]
    DeployLoad --> PostActions[Post Actions]
    PostActions --> End((End))
  
```

Search

- ✓ Checkout SCM 1s
- ✓ Build Backend Image 4s
- ✓ Deploy Backend Containers 2s
- ✓ Deploy NGINX Load Balancer 1s

Post Actions 90ms Started 1m 1s ago Jenkins

✓ Pipeline executed successfully. NGINX load balancer is running. 35ms

0 Pipeline executed successfully. NGINX load balancer is running.

↑ ↓

ss8

Jenkins / LAB6-PIPELINE-NGINX / #3

Status Changes Console Output Edit Build Information Delete build '#3' Timings Git Build Data Pipeline Overview Restart from Stage Replay Pipeline Steps Workspaces

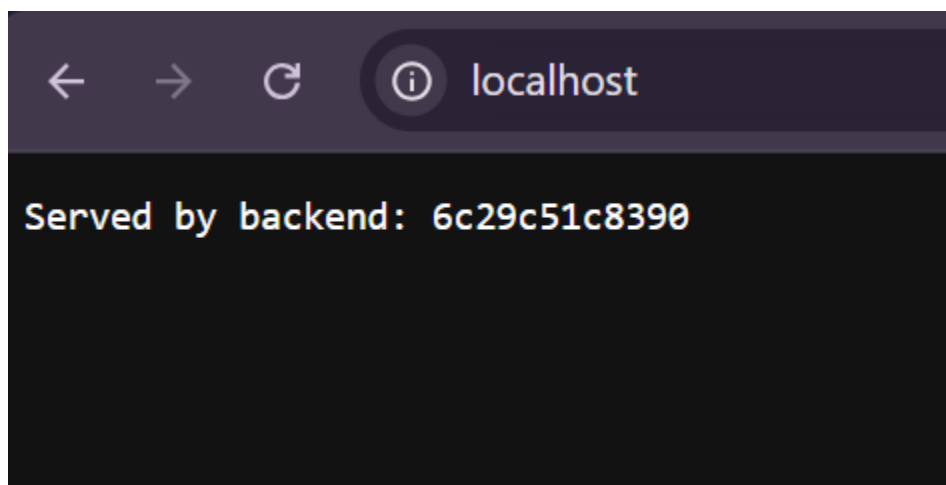
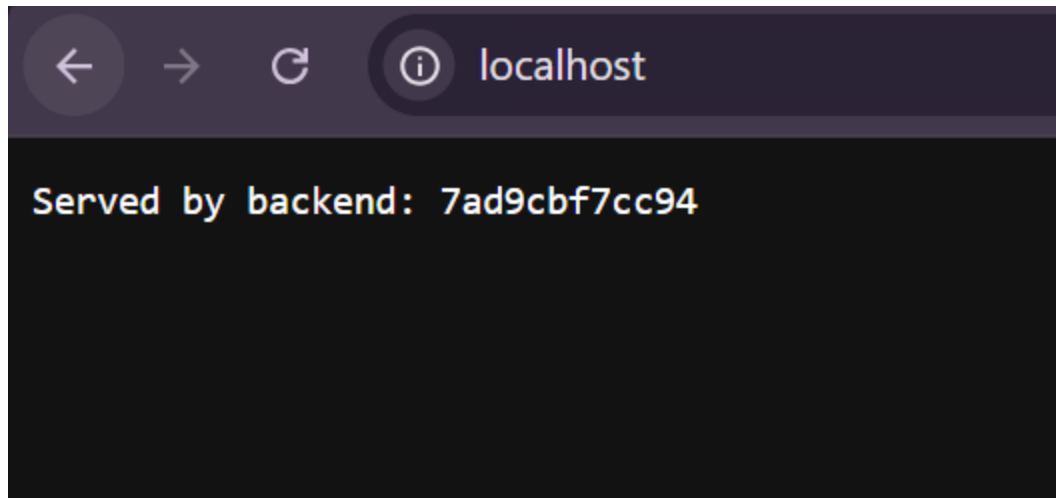
Console Download Copy View as plain text

```

Started by user Rithvik Rajesh Matta - PES2UG23CS485
Obtained Jenkinsfile from git https://github.com/rtk5/PES2UG23CS485_Jenkins
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in /var/jenkins_home/workspace/LAB6-PIPELINE-NGINX
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Declarative: Checkout SCM)
[Pipeline] checkout
Selected Git installation does not exist. Using Default
The recommended git tool is: NONE
No credentials specified
> git rev-parse --resolve-git-dir /var/jenkins_home/workspace/LAB6-PIPELINE-NGINX/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/rtk5/PES2UG23CS485_Jenkins # timeout=10
Fetching upstream changes from https://github.com/rtk5/PES2UG23CS485_Jenkins
> git --version # timeout=10
> git --version # 'git version 2.47.3'
> git fetch --tags --force --progress -- https://github.com/rtk5/PES2UG23CS485_Jenkins
+refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/main^{commit} # timeout=10
Checking out Revision 448d8cc61463aef9c8aa794d85c61b456bc5a2fb3 (refs/remotes/origin/main)
  
```

localhost:8080

Ss9 - round robin



Ss10 - ip hash

