

# CC Lab 6

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SRN - PES2UG23CS485

Class - 6H

ss1

```
[rithvik@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  winstomp.Logger#logInternal: Beginning extraction from war file
2026-02-17 09:12:31.851+0000 [id=1] WARNING o.e.j.ee9.nested.ContextHandler$setContextPath: Empty contextPath
2026-02-17 09:12:31.922+0000 [id=1] INFO  org.eclipse.jetty.server.Server#doStart: jetty-12.1.5; built: 2025-12-03T22:18:24.732Z; git: 4905d09d7b6801e792d7b73946cf7
b66a4be25d6; java-21.0.9+10-LTS
2026-02-17 09:12:32.953+0000 [id=1] INFO  o.e.j.e.w.StandardDescriptorProcessor#visitServlet: NO JSP Support for /, did not find org.eclipse.jetty.ee9.jsp.JettyJspS
envlet
2026-02-17 09:12:33.039+0000 [id=1] INFO  o.e.j.s.DefaultSessionIdManager#doStart: Session workerName=node0
2026-02-17 09:12:33.514+0000 [id=1] INFO  hudson.WebAppMain#contextInitialized: Jenkins home directory: /var/jenkins_home found at: EnvVars.masterEnvVars.get("JENKI
NS_HOME")
2026-02-17 09:12:33.749+0000 [id=1] INFO  o.e.j.s.handler.ContextHandler#doStart: Started oej9n.ContextHandler$CoreContextHandler@3681037{[Jenkins v2.541.1,/,b=file
://var/jenkins_home/war/,a:AVAILABLE,h=oej9n.ContextHandler$CoreContextHandler$CoreToNestedHandler@2459319c:[STARTED]}
2026-02-17 09:12:33.782+0000 [id=1] INFO  o.e.j.server.AbstractConnector#doStart: Started oej9s.ServerConnector@79c80215{HTTP/1.1, ([http://1.1])}10.0.0.0:8088}
2026-02-17 09:12:33.784+0000 [id=1] INFO  org.eclipse.jetty.server.Server#doStart: Started oej9s.Server@53a6565ad:[STARTING][12.1.5,st=0] @1863ms
2026-02-17 09:12:33.795+0000 [id=40] INFO  winstomp.Logger#logInternal: Winstomp 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.Retriger#start: Attempt #1 to do the action check updates server
2026-02-17 09:12:36.194+0000 [id=50] INFO  jenkins.install.SetupWizard#init:
[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]> 157199ab203a4a3d83b9a712bd79138c
[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.Retriger#start: Performed the action check updates server successfully at the attempt #1
[rithvik@PES2UG23CS485 cc-lab-6]$
```

Ss2

The screenshot shows the Jenkins user profile page for 'Rithvik Rajesh Matta - PES2UG23CS485'. The top navigation bar includes a search icon, a gear icon, and a user icon. The main content area displays the user's Jenkins User ID as 'rtk'. On the left, a sidebar lists various Jenkins management options: Profile (selected), Builds, My Views, Account, Appearance, Preferences, Security, Experiments, and Credentials. At the bottom right of the page, there are links for 'REST API' and 'Jenkins 2.54.1'.

Ss3

The screenshot shows the Jenkins build console for build #12 of the 'PES2UG23CS485-backend...' project. The top navigation bar includes a search icon, a gear icon, and a user icon. The main content area has tabs for 'Status' (selected), 'Console' (active), 'Download', 'Copy', and 'View as plain text'. The 'Console' tab displays the build log output:

```
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

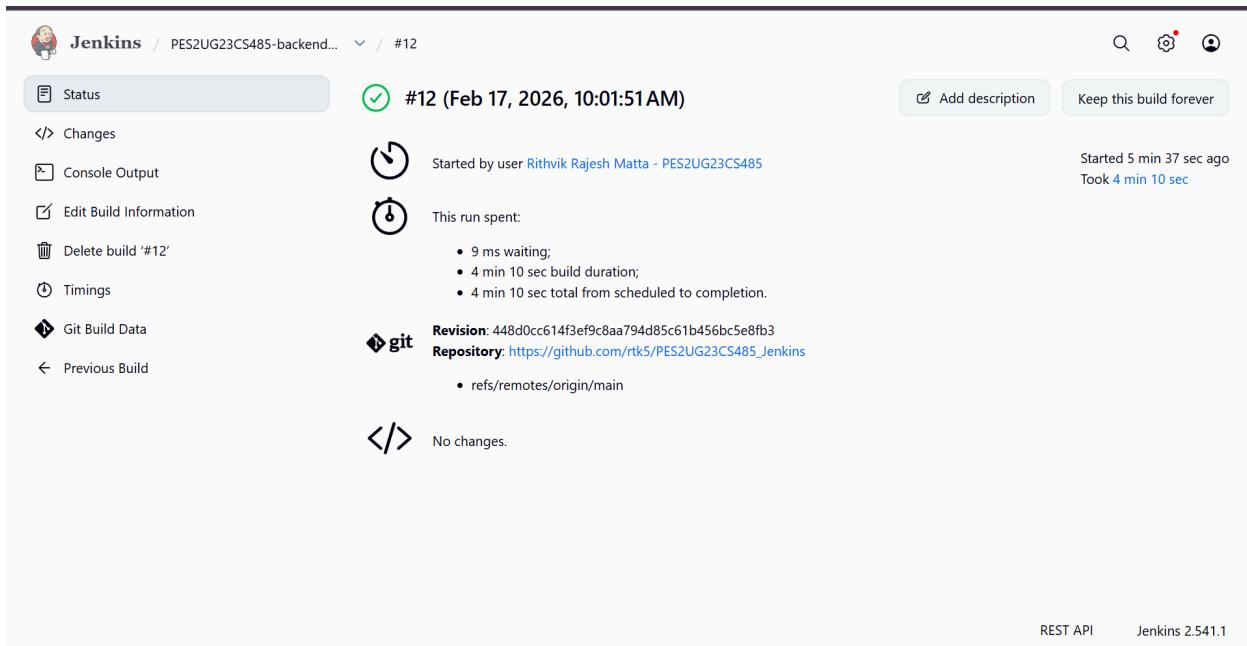
Status #12 (Feb 17, 2026, 10:01:51 AM)

Started by user Rithvik Rajesh Matta - PES2UG23CS485 Started 5 min 37 sec ago  
Took 4 min 10 sec

</> Changes  
Console Output  
Edit Build Information  
Delete build '#12'  
Timings  
Git Build Data  
git Revision: 448d0cc614f3ef9c8aa794d85c61b456bc5e8fb3 Repository: https://github.com/rk5/PES2UG23CS485\_Jenkins  
Previous Build

</> No changes.

REST API Jenkins 2.54.1



## Ss5

Jenkins / PES2UG23CS485-backend... ▾

Project PES2UG23CS485-backend-build

This build requires parameters:

Backend\_Count

1

Build Cancel

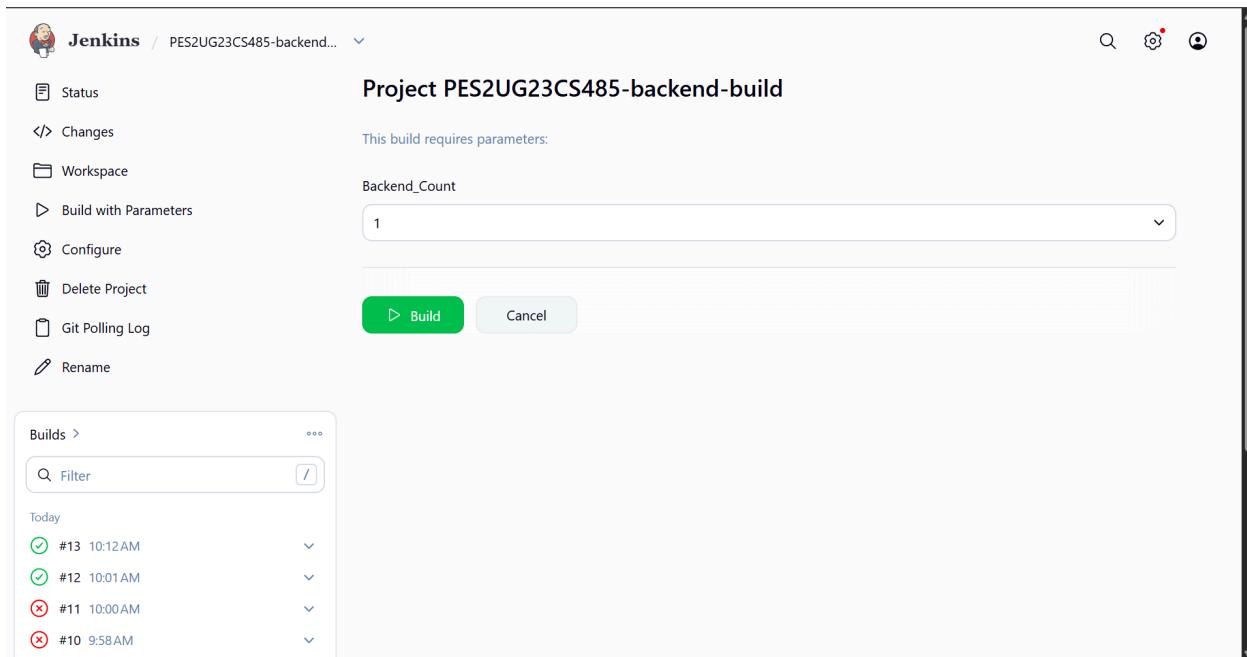
</> Changes  
Workspace  
Build with Parameters  
Configure  
Delete Project  
Git Polling Log  
Rename

Builds >

Filter

Today

- #13 10:12 AM
- #12 10:01 AM
- #11 10:00 AM
- #10 9:58 AM



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

2

Build Cancel

Builds > Filter /

Today

- #13 10:12AM
- #12 10:01 AM
- #11 10:00 AM
- #10 9:58 AM

The screenshot shows the Jenkins interface for the project 'PES2UG23CS485-backend-build'. On the left, there's a sidebar with links like Status, Changes, Workspace, and Configure. The main area is titled 'Project PES2UG23CS485-backend-build' and displays a parameter named 'Backend\_Count' with the value '2'. Below this are 'Build' and 'Cancel' buttons. A large section on the right lists recent builds, with four entries visible under the heading 'Today': #13 at 10:12AM, #12 at 10:01 AM, #11 at 10:00 AM, and #10 at 9:58 AM. Each build entry has a small green checkmark icon next to it.

Ss6

**Jenkins** / PES2UG23CS485-backend... #13

**Console**

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

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**Jenkins** / PES2UG23CS485-backend... #14

**Console**

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

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

Graph

```

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

Rerun

Search

Post Actions

90ms Started 1m 1s ago Jenkins

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

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

localhost:8080

Console

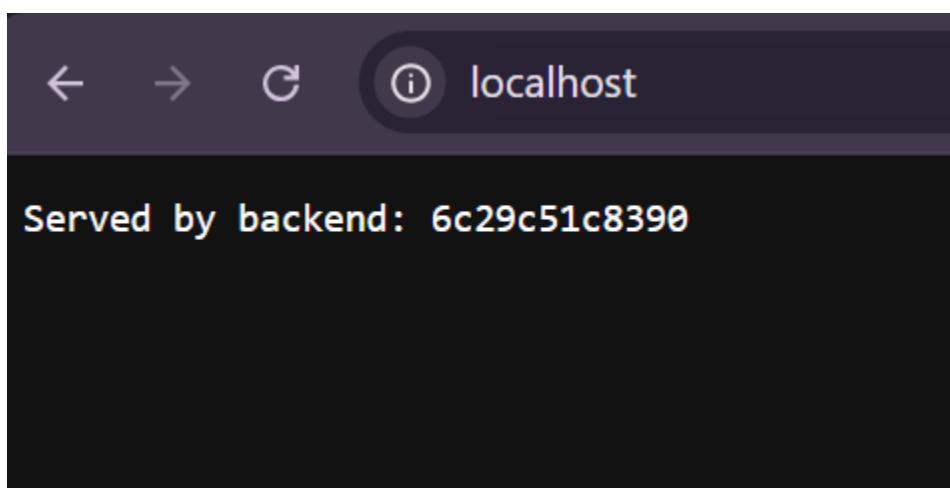
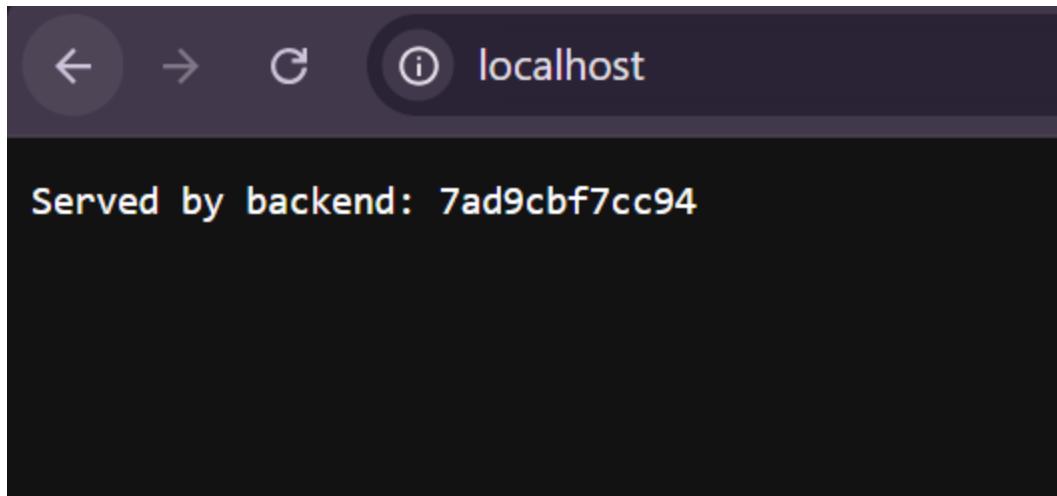
Download Copy View as plain text

```

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 148d0cc614f3aef0-8aa79a495c61b45fb-faefb3 (refs/remotes/origin/main)

```

Ss9 - round robin



Ss10 - ip hash

