

1) Install git and httpd -

The screenshot shows a terminal window titled "2. 35.154.75.65 (ec2-user)". The window has a toolbar with icons for Session, Servers, Tools, Games, Sessions, View, Split, MultiExec, Tunneling, Packages, Settings, and Help. A message bar at the top says "SSH-browser : ✓" and "X11-forwarding : ✘ (disabled or not supported by server)". Below the message bar is a "Quick cor" sidebar with icons for file operations like copy, paste, and move. The main terminal area displays the following command-line session:

```
[ec2-user@ip-172-31-41-244 ~]$ sudo su -
[root@ip-172-31-41-244 ~]# yum install git httpd -y
Amazon Linux 2023 Kernel Livepatch repository      259 kB/s | 31 kB     00:00
Last metadata expiration check: 0:00:01 ago on Thu Feb  5 22:03:54 2026.
Dependencies resolved.
=====
Package          Arch    Version        Repository      Size
=====
Installing:
git              x86_64  2.50.1-1.amzn2023.0.1  amazonlinux   53 k
httpd            x86_64  2.4.66-1.amzn2023.0.1  amazonlinux   47 k
Installing dependencies:
apr              x86_64  1.7.5-1.amzn2023.0.4  amazonlinux   129 k
apr-util         x86_64  1.6.3-1.amzn2023.0.2  amazonlinux   97 k
apr-util-lmdb    x86_64  1.6.3-1.amzn2023.0.2  amazonlinux   13 k
generic-logos-httpd noarch  18.0.0-12.amzn2023.0.3  amazonlinux   19 k
git-core         x86_64  2.50.1-1.amzn2023.0.1  amazonlinux   4.9 M
git-core-doc     noarch  2.50.1-1.amzn2023.0.1  amazonlinux   2.8 M
httpd-core       x86_64  2.4.66-1.amzn2023.0.1  amazonlinux   1.4 M
httpd-filesystem noarch  2.4.66-1.amzn2023.0.1  amazonlinux   13 k
httpd-tools      x86_64  2.4.66-1.amzn2023.0.1  amazonlinux   81 k
libbrotli        x86_64  1.0.9-4.amzn2023.0.2  amazonlinux  315 k
```

2)Getting apache tomcat 10.1.51 zip file and unzip shown

```
2.35.154.75.65 (ec2-user)
che-tomcat-10.1.52.zip
Resolving dlcndn.apache.org (dlcdn.apache.org)... 151.101.2.132, 2a04:4e42::644
Connecting to dlcndn.apache.org (dlcdn.apache.org)|151.101.2.132|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 14869727 (14M) [application/zip]
Saving to: 'apache-tomcat-10.1.52.zip'

apache-tomcat-10.1.5 100%[=====] 14.18M --.-KB/s in 0.04s

2026-02-05 22:05:49 (332 MB/s) - 'apache-tomcat-10.1.52.zip' saved [14869727/14869727]

[root@ip-172-31-41-244 server]# ll
total 14524
-rw-r--r--. 1 root root 14869727 Jan 23 19:35 apache-tomcat-10.1.52.zip
[root@ip-172-31-41-244 server]# unzip apache-tomcat-10.1.52.zip
Archive: apache-tomcat-10.1.52.zip
  creating: apache-tomcat-10.1.52/
  creating: apache-tomcat-10.1.52/bin/
  creating: apache-tomcat-10.1.52/conf/
  creating: apache-tomcat-10.1.52/lib/
  creating: apache-tomcat-10.1.52/logs/
  creating: apache-tomcat-10.1.52/temp/
  creating: apache-tomcat-10.1.52/webapps/
  creating: apache-tomcat-10.1.52/webapps/ROOT/
  creating: apache-tomcat-10.1.52/webapps/ROOT/WEB-INF/
  creating: apache-tomcat-10.1.52/webapps/docs/
  creating: apache-tomcat-10.1.52/webapps/docs/META-INF/
  creating: apache-tomcat-10.1.52/webapps/docs/WEB-INF/
  creating: apache-tomcat-10.1.52/webapps/docs/WEB-INF/jsp/
  creating: apache-tomcat-10.1.52/webapps/docs/annotationapi/
  creating: apache-tomcat-10.1.52/webapps/docs/api/
  creating: apache-tomcat-10.1.52/webapps/docs/appdev/
  creating: apache-tomcat-10.1.52/webapps/docs/appdev/sample/
  creating: apache-tomcat-10.1.52/webapps/docs/appdev/sample/docs/
```

3)Get Jenkins war file and start tomcat

```
35.154.75.65 (ec2-user)
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
Quick cor 2. 35.154.75.65 (ec2-user) ×
inflating: apache-tomcat-10.1.52/webapps/manager/images/asf-logo.svg
inflating: apache-tomcat-10.1.52/webapps/manager/images/favicon.ico
inflating: apache-tomcat-10.1.52/webapps/manager/images/tomcat.svg
inflating: apache-tomcat-10.1.52/webapps/manager/index.jsp
inflating: apache-tomcat-10.1.52/webapps/manager/status.xsd
inflating: apache-tomcat-10.1.52/webapps/manager/xform.xsl
[root@ip-172-31-41-244 server]# ll
total 14540
drwxr-xr-x. 9 root root 16384 Jan 23 19:29 apache-tomcat-10.1.52
-rw-r--r--. 1 root root 14869727 Jan 23 19:35 apache-tomcat-10.1.52.zip
[root@ip-172-31-41-244 server]# rm -rf apache-tomcat-10.1.52
[root@ip-172-31-41-244 server]# chmod 777 -R apache-tomcat-10.1.52
[root@ip-172-31-41-244 server]# cd apache-tomcat-10.1.52/
[root@ip-172-31-41-244 apache-tomcat-10.1.52]# ll
total 184
-rwxrwxrwx. 1 root root 25374 Jan 23 19:29 BUILDING.txt
-rwxrwxrwx. 1 root root 6260 Jan 23 19:29 CONTRIBUTING.md
-rwxrwxrwx. 1 root root 61536 Jan 23 19:29 LICENSE
-rwxrwxrwx. 1 root root 2401 Jan 23 19:29 NOTICE
-rwxrwxrwx. 1 root root 3287 Jan 23 19:29 README.md
-rwxrwxrwx. 1 root root 6949 Jan 23 19:29 RELEASE-NOTES
-rwxrwxrwx. 1 root root 16582 Jan 23 19:29 RUNNING.txt
drwxrwxrwx. 2 root root 16384 Jan 23 19:29 bin
drwxrwxrwx. 2 root root 16384 Jan 23 19:29 conf
drwxrwxrwx. 2 root root 16384 Jan 23 19:29 lib
drwxrwxrwx. 2 root root 6 Jan 23 19:29 logs
drwxrwxrwx. 2 root root 30 Jan 23 19:29 temp
drwxrwxrwx. 7 root root 81 Jan 23 19:29 webapps
drwxrwxrwx. 2 root root 6 Jan 23 19:29 work
[root@ip-172-31-41-244 apache-tomcat-10.1.52]# cd webapps/
[root@ip-172-31-41-244 webapps]# wget https://get.jenkins.io/war-stable/2.541.1/jenkins.war
--2026-02-05 22:07:05-- https://get.jenkins.io/war-stable/2.541.1/jenkins.war
Resolving get.jenkins.io (get.jenkins.io)... 128.24.70.119, 2603:1030:408:3::2bd
Connecting to get.jenkins.io (get.jenkins.io)|128.24.70.119|:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://mirror.del.albony.in/jenkins/war-stable/2.541.1/jenkins.war [full
```

4)Github – index file in repo1 and 2026Q1 branch

```

1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <title>Repo1 2026Q1</title>
6
7      <!-- Google Font -->
8      <link href="https://fonts.googleapis.com/css2?family=Poppins:wght@500,700&display=swap" rel="stylesheet">
9
10     <style>
11         body {
12             margin: 0;
13             height: 100vh;
14             display: flex;
15             align-items: center;
16             justify-content: center;
17             background: linear-gradient(135deg, #1e3c72, #2a5298);
18             font-family: 'Poppins', sans-serif;
19         }
20

```

5)after hit Jenkins url on 8080 port create jobs with credential

Configure

- General
- Source Code Management**
- Triggers
- Environment
- Build Steps
- Post-build Actions

Credentials

ec2-user/****** (mytoken)

Advanced

Branches to build

Branch Specifier (blank for 'any') ? *2026Q3

Repository browser

(Auto)

Save **Apply**

6)Build steps

The screenshot shows the Jenkins job configuration page for 'job3'. The left sidebar has 'Configure' selected under 'Build Steps'. The main area shows a 'Build Steps' section with a 'Execute shell' step. The command is set to:

```
service httpd start
rm -rf /var/www/html/*
cp -r index.html /var/www/html/index.html
chmod -R 777 /var/www/html/index.html
```

Below the command is an 'Advanced' dropdown and a '+ Add build step' button. At the bottom are 'Post-build Actions' buttons for 'Save' and 'Apply'.

7)Build success

The screenshot shows the Jenkins job console output for 'job1'. The log output is as follows:

```
using credential mytoken
Cloning the remote Git repository
Cloning repository https://github.com/pratiksha-awsdevops5/repo1.git
> git init /root/.jenkins/workspace/job1 # timeout=10
Fetching upstream changes from https://github.com/pratiksha-awsdevops5/repo1.git
> git --version # timeout=10
> git --version # 'git version 2.50.1'
using GIT_ASKPASS to set credentials mytoken
> git fetch --tags --force --progress -- https://github.com/pratiksha-awsdevops5/repo1.git +refs/heads/*:refs/remotes/origin/*
> git config remote.origin.url https://github.com/pratiksha-awsdevops5/repo1.git # timeout=10
> git config --add remote.origin.fetch +refs/heads/*:refs/remotes/origin/* # timeout=10
Avoid second fetch
> git rev-parse refs/remotes/origin/2026Q1^{commit} # timeout=10
Checking out Revision ce22af14b330006a0776fc995661d0fcc04a8c02 (refs/remotes/origin/2026Q1)
> git config core.sparsecheckout # timeout=10
> git checkout -f ce22af14b330006a0776fc995661d0fcc04a8c02 # timeout=10
Commit message: "Create index.html"
> git rev-list --no-walk ce22af14b330006a0776fc995661d0fcc04a8c02 # timeout=10
[job1] $ /bin/sh -xe /mnt/server/apache-tomcat-10.1.52/temp/jenkins15544046908381454057.sh
+ service httpd start
Redirecting to /bin/systemctl start httpd.service
+ cp -r index.html /var/www/html/index.html
+ chmod -R 777 /var/www/html/index.html
Finished: SUCCESS
```

8)All 3 jobs created

The screenshot shows the Jenkins dashboard with three jobs listed:

S	W	Name	Last Success	Last Failure	Last Duration
Green circle	Cloud icon	job1	1 hr 5 min #3	1 hr 22 min #1	1.3 sec
Green circle	Sun icon	job2	28 min #4	N/A	1.1 sec
Green circle	Sun icon	job3	44 sec #4	N/A	1.1 sec

9)index file shown on browser

The screenshot shows a browser window displaying the content of index.html from the Repo1 2026Q1 branch. The page has a dark blue background with a white text area containing the message:

Hello from Repo1 2026Q1 branch

10)Repo 2 branch 2026Q2

The screenshot shows a browser window with several tabs open. The active tab is 'repo2/index.html at 2026Q2 · p...'. The page displays the contents of 'index.html' from the 'repo2' repository. The code is as follows:

```

1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <title>Repo2 2026Q2</title>
6
7   <!-- Google Font -->
8   <link href="https://fonts.googleapis.com/css2?family=Poppins:wght@500;700&display=swap" rel="stylesheet">
9
10 <style>
11   body {
12     margin: 0;
13     height: 100vh;
14     display: flex;

```

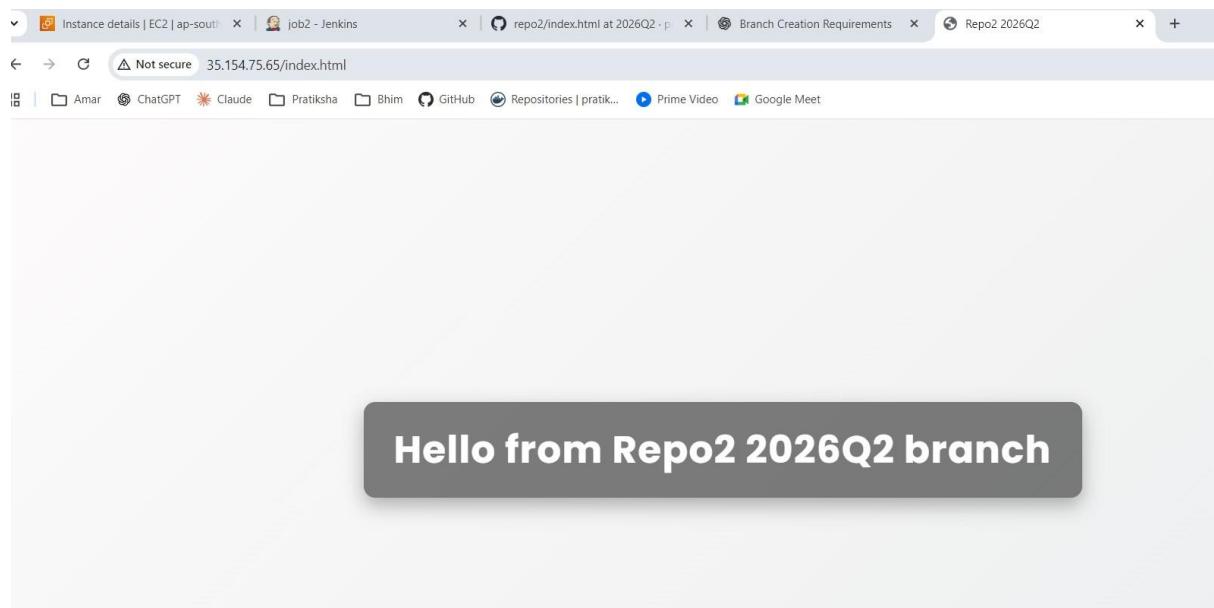
11)job-2

The screenshot shows the Jenkins job configuration for 'job2'. The 'Source Code Management' section is selected. The configuration includes:

- Credentials:** ec2-user/***** (mytoken)
- Advanced:** (dropdown menu)
- Add Repository:** + Add Repository
- Branches to build:**
 - Branch Specifier (blank for 'any'):** */2026Q2
 - Add Branch:** + Add Branch
- Repository browser:** (Auto)

At the bottom, there are 'Save' and 'Apply' buttons.

12) index file from job2 hit on browser



13) index file from repo3 branch 2026Q3 hit

