

Demo Jenkins app:Basic freestyle project

The screenshot shows the Jenkins Configuration page for a project named 'Demo-app'. The left sidebar contains a 'Configure' section with a list of tabs: General, Source Code Management (selected), Build Triggers, Build Environment, Build Steps, and Post-build Actions. The main content area is titled 'Configure' and shows the 'Git' source code management option selected. Under 'Repositories', there is a text input for 'Repository URL' containing 'https://github.com/nkheria/sample-java-app.git' and a dropdown for 'Credentials' set to '- none -'. Below these is an 'Add Repository' button. The 'Branches to build' section has a 'Branch Specifier (blank for \'any\')' input. At the bottom are 'Save' and 'Apply' buttons.

Dashboard > Mayusha Rathod > My Views > All > Demo-app > Configuration

Configure

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

☐ None

☒ Git ?

Repositories ?

Repository URL ?
https://github.com/nkheria/sample-java-app.git

Credentials ?
- none -

+ Add

Advanced

Add Repository

Branches to build ?

Branch Specifier (blank for 'any') ?

Save Apply

Give repo url along with .git

The screenshot shows the Jenkins Configuration page for the same 'Demo-app' project, but now the 'Build Triggers' tab is selected in the sidebar. The 'Build Triggers' section has three checkboxes: 'Trigger builds remotely (e.g., from scripts)', 'Build after other projects are built', and 'Build periodically' (which is checked). Below the 'Build periodically' checkbox is a 'Schedule' input field containing '*/* 2 * * *'. A warning message is displayed below the schedule field, advising to use 'H/2 * * * *' instead of '*/* 2 * * *'. At the bottom of the 'Build Triggers' section are checkboxes for 'GitHub hook trigger for GITScm polling' and 'Poll SCM'. Below this is the 'Build Environment' section, which is currently empty. 'Save' and 'Apply' buttons are at the bottom.

Dashboard > Mayusha Rathod > My Views > All > Demo-app > Configuration

Configure

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

Build Triggers

☐ Trigger builds remotely (e.g., from scripts) ?

☐ Build after other projects are built ?

☒ Build periodically ?

Schedule ?
*/2 * * * *

⚠ Spread load evenly by using 'H/2 * * * *' rather than '*/2 * * * *'
Would last have run at Tuesday, 23 July, 2024 at 10:12:21 AM India Standard Time; would next run at Tuesday, 23 July, 2024 at 10:12:21 AM India Standard Time.

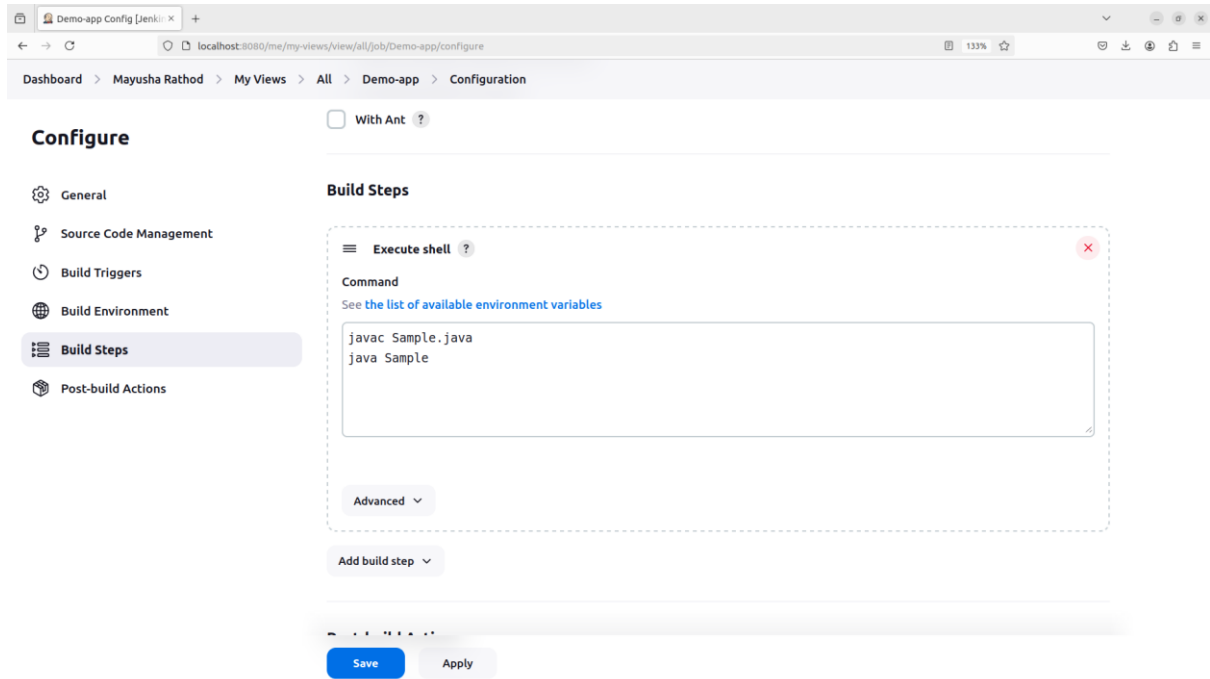
☐ GitHub hook trigger for GITScm polling ?

☐ Poll SCM ?

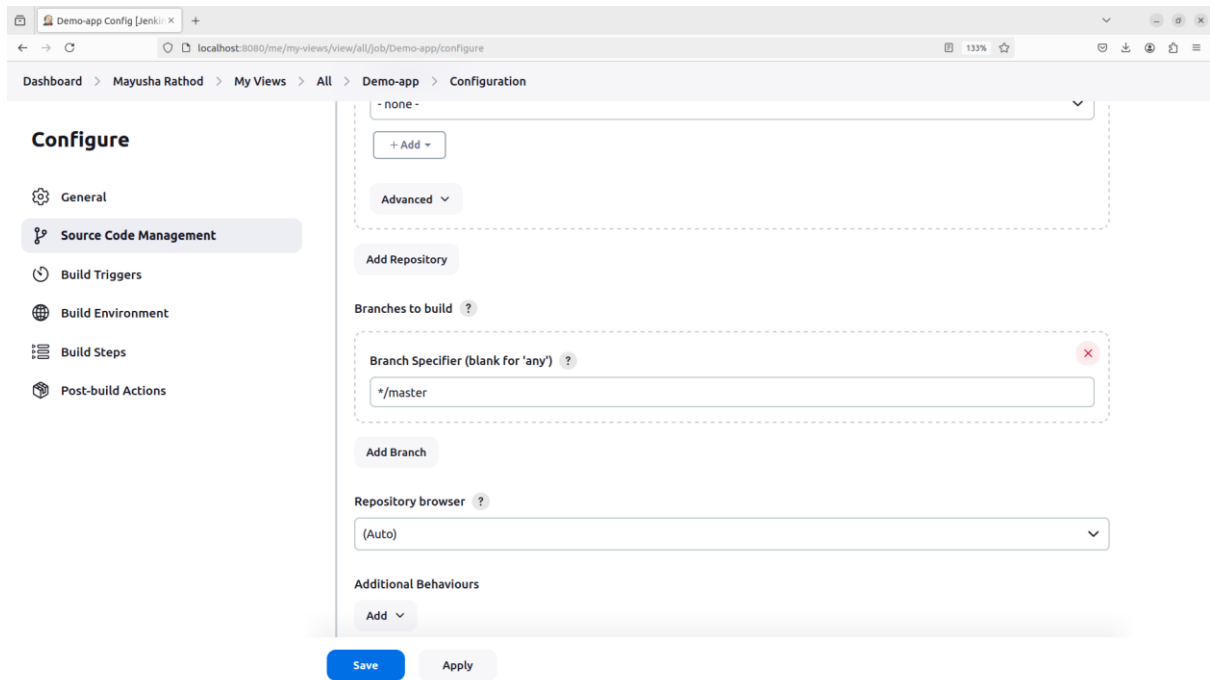
Build Environment

Save Apply

Cron job schedule



Commands to exec



Branch to build.

Demo-app #13 [Jenkins] x +

localhost:8080/me/my-views/view/all/job/Demo-app/13/

Jenkins

Search (CTRL+K)

Mayusha Rathod log out

Dashboard > Mayusha Rathod > My Views > All > Demo-app > #13

Status

Changes

Console Output

Edit Build Information

Delete build '#13'

Timings

Git Build Data

Previous Build

Next Build

#13 (Jul 22, 2024, 5:56:13 PM)

No changes.

Started by timer (4 times)

This run spent:

- 1.6 sec waiting;
- 1.4 sec build duration;
- 3.1 sec total from scheduled to completion.

Revision: 7a0556222eb7f62251ed9fb890289f5ad27f0dae
Repository: <https://github.com/nkheria/sample-java-app.git>

- refs/remotes/origin/master

Keep this build forever

Add description Started 16 hr ago Took 1.4 sec

REST API Jenkins 2.452.3

Demo-app #13 Console | x +

localhost:8080/me/my-views/view/all/job/Demo-app/13/console

Dashboard > Mayusha Rathod > My Views > All > Demo-app > #13 > Console Output

Status

Changes

Console Output

View as plain text

Edit Build Information

Delete build '#13'

Timings

Git Build Data

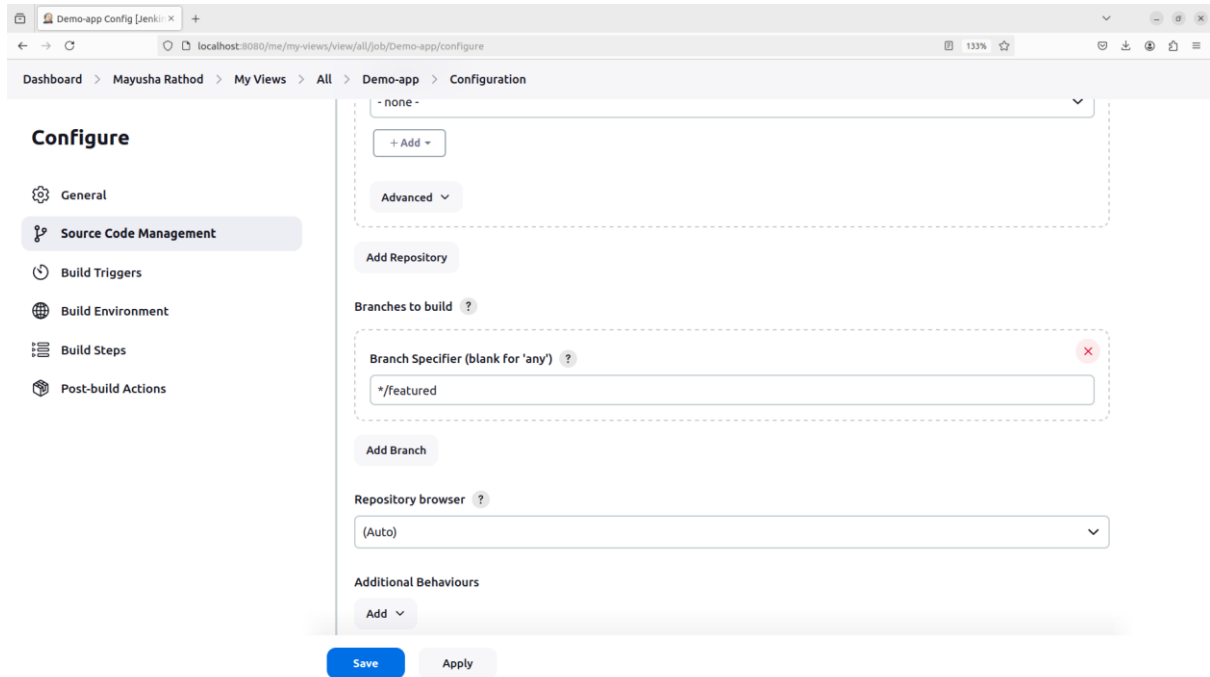
Previous Build

Next Build

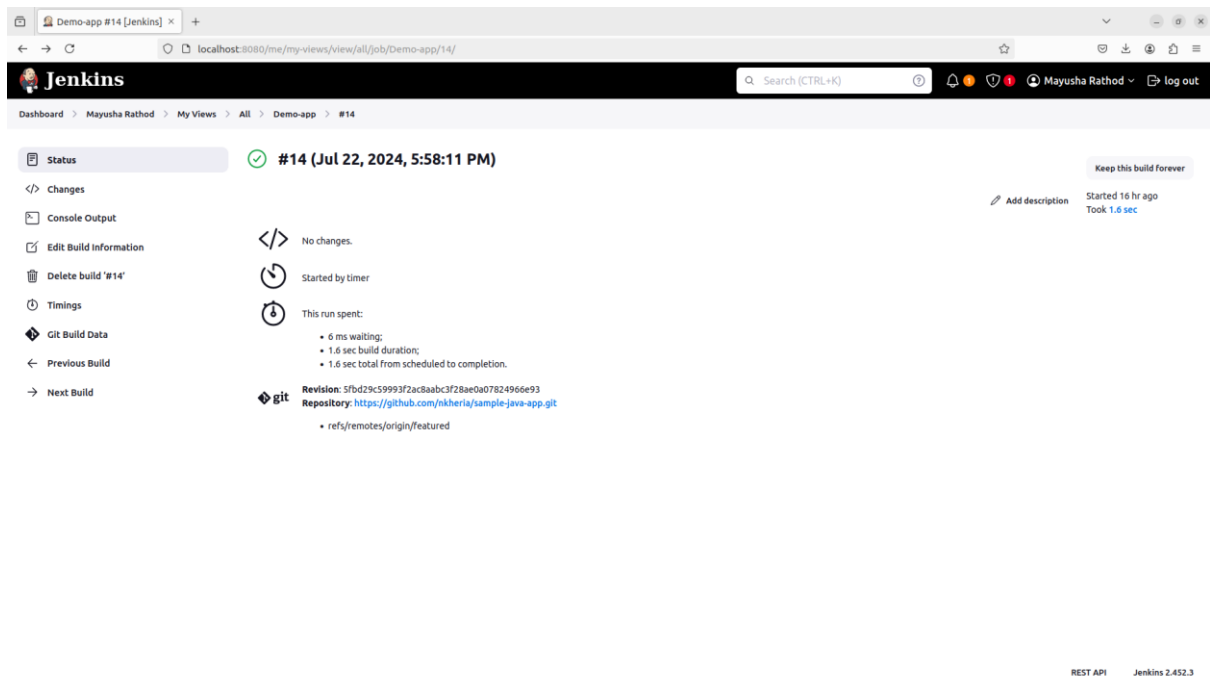
Console Output

```
Started by timer
Started by timer
Started by timer
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/Demo-app
The recommended git tool is: NONE
No credentials specified
> git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/Demo-app/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/nkheria/sample-java-app.git # timeout=10
Fetching upstream changes from https://github.com/nkheria/sample-java-app.git
> git --version # timeout=10
> git --version # 'git version 2.34.1'
> git fetch --tags --progress -- https://github.com/nkheria/sample-java-app.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/master^{commit} # timeout=10
Checking out Revision 7a0556222eb7f62251ed9fb890289f5ad27f0dae (refs/remotes/origin/master)
> git config core.sparsecheckout # timeout=10
> git checkout -f 7a0556222eb7f62251ed9fb890289f5ad27f0dae # timeout=10
Commit message: "Update Sample.java"
> git rev-list --no-walk 7a0556222eb7f62251ed9fb890289f5ad27f0dae # timeout=10
[Demo-app] $ /bin/sh -xe /tmp/jenkins1605144578485586770.sh
+ javac Sample.java
+ java Sample
1
2
3
4
5
6
7
8
9
10
Finished: SUCCESS
```

Output for master branch build



Another branch featured



Demo-app #14 Console | +

localhost:8080/me/my-views/view/all/job/Demo-app/14/console

Jenkins

Search (CTRL+K)

Mayusha Rathod

log out

Dashboard > Mayusha Rathod > My Views > All > Demo-app > #14 > Console Output

Status

Changes

Console Output

View as plain text

Edit Build Information

Delete build '#14'

Timings

Git Build Data

Previous Build

Next Build

Started by timer
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/Demo-app
The recommended git tool is: NONE
No credentials specified
> git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/Demo-app/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/nkheria/sample-java-app.git # timeout=10
Fetching upstream changes from https://github.com/nkheria/sample-java-app.git
> git --version # timeout=10
> git --version # 'git version 2.34.1'
> git fetch --tags --force --progress -- https://github.com/nkheria/sample-java-app.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/featured{commit} # timeout=10
Checking out Revision 5fbd29c59993f2ac8aabc3f28ae8a07824966e93 (refs/remotes/origin/featured)
> git config core.sparsecheckout # timeout=10
> git checkout -f 5fbd29c59993f2ac8aabc3f28ae8a07824966e93 # timeout=10
Commit message: "Delete pom.xml"
First time build. Skipping changelog.
[Demo-app] \$ /bin/sh -xe /tmp/jenkins15036006994976702177.sh
+ javac Sample.java
+ java Sample
2
3
4
3
4
5
4
5
6
Finished: SUCCESS

Output for featured branch

Demo-app [Jenkins] | +

localhost:8080/me/my-views/view/all/job/Demo-app/

Jenkins

Dashboard > Mayusha Rathod > My Views > All > Demo-app >

Build History

Filter...

#21 Jul 22, 2024, 6:12 PM

#20 Jul 22, 2024, 6:10 PM

#19 Jul 22, 2024, 6:08 PM

#18 Jul 22, 2024, 6:06 PM

#17 Jul 22, 2024, 6:04 PM

#16 Jul 22, 2024, 6:02 PM

#15 Jul 22, 2024, 6:00 PM

#14 Jul 22, 2024, 5:58 PM

#13 Jul 22, 2024, 5:56 PM

#12 Jul 22, 2024, 5:54 PM

#11 Jul 22, 2024, 5:46 PM

#10 Jul 22, 2024, 5:44 PM

#9 Jul 22, 2024, 5:42 PM

#8 Jul 22, 2024, 5:40 PM

#7 Jul 22, 2024, 5:38 PM

#6 Jul 22, 2024, 5:36 PM

#5 Jul 22, 2024, 5:34 PM

#4 Jul 22, 2024, 5:32 PM

#3 Jul 22, 2024, 5:30 PM

#2 Jul 22, 2024, 5:28 PM

#1 Jul 22, 2024, 5:28 PM

Atom feed for all

Atom feed for failures

Last successful build (#21), 16 hr ago

Last completed build (#21), 16 hr ago

REST API Jenkins 2.452.3

Continuous build using cron

Demo Jenkins app: Private repo using credentials.

Enter an item name

Private-app-demo

» Required field

Freestyle project
Classic, general-purpose job type that checks out from up to one SCM, executes build steps serially, followed by post-build steps like archiving artifacts and sending email notifications.

Pipeline
Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.

Multi-configuration project
Suitable for projects that need a large number of different configurations, such as testing on multiple environments, platform-specific builds, etc.

Folder
Creates a container that stores nested items in it. Useful for grouping things together. Unlike view, which is just a filter, a folder creates a separate namespace, so you can have multiple things of the same name as long as they are in different folders.

Multibranch Pipeline
Creates a set of Pipeline projects according to detected branches in one SCM repository.

OK

Create a new project for private git repo.

Configure

General

Source Code Management

Build Triggers

Build Environment

Build Steps

Post-build Actions

Jenkins Credentials Provider: Jenkins

Domain
Global credentials (unrestricted)

Kind
Username with password

Scope
Global (Jenkins, nodes, items, all child items, etc)

Username
ghp_1LIAMwCrDpoGufuv8FKFaUphv3NnFx3d7D1o

☒ Treat username as secret

Password

ID
private-demo-cred

Save Apply

Cred added for git repo.

Private-app-demo Config | Mayusha-R/private-samp | +

localhost:8080/job/Private-app-demo/configure 120%

Dashboard > Private-app-demo > Configuration

Configure

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

Git ?

Repositories ?

Repository URL ?

Credentials ?

+ Add

Advanced

Add Repository

Branches to build ?

Branch Specifier (blank for 'any') ?

Add Branch

Save Apply

Give repo along with credentials and branch.

Private-app-demo Config | Mayusha-R/private-samp | +

localhost:8080/job/Private-app-demo/configure 120%

Dashboard > Private-app-demo > Configuration

Configure

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

Build Steps

Execute shell ?

Command

See [the list of available environment variables](#)

```
javac Sample.java
java Sample
```

Advanced

Add build step

Post-build Actions

Add post-build action

Save Apply

Add build steps.

Private-app-demo [Jenki] x Mayusha-R/private-samp x +

localhost:8080/job/Private-app-demo/

120%

Jenkins

Search (CTRL+K)

Mayusha Rathod log out

Dashboard > Private-app-demo >

Status

Changes

Workspace

Build Now

Configure

Delete Project

Rename

Private-app-demo

Permalinks

Add description

Disable Project

Build History trend

Filter...

Jul 24, 2024, 4:53 PM

Atom feed for all Atom feed for failures

localhost:8080/job/Private-app-demo/build?delay=0sec

REST API Jenkins 2.452.3

Build project.

Private-app-demo #1 [Jenki] x Mayusha-R/private-samp x +

localhost:8080/job/Private-app-demo/1/

120%

Jenkins

Search (CTRL+K)

Mayusha Rathod log out

Dashboard > Private-app-demo > #1

Status

Changes

Console Output

Edit Build Information

Delete build '#1'

Timings

Git Build Data

#1 (Jul 24, 2024, 4:53:31 PM)

Keep this build forever

Add description

Started 38 sec ago

Took 2.4 sec

No changes.

Started by user Mayusha Rathod

This run spent:

- 12 ms waiting;
- 2.4 sec build duration;
- 2.4 sec total from scheduled to completion.

git

Revision: b1fefbd0529c888dd610bca3d941c956c1aec58b

Repository: <https://github.com/Mayusha-R/private-sample-repo.git>

- refs/remotes/origin/main

localhost:8080/job/Private-app-demo/1/

REST API Jenkins 2.452.3

Successful build using credentials.

Private-app-demo #2 [J] x Mayusha-R/private-samp x +

localhost:8080/job/Private-app-demo/2/ 120%

Jenkins

Search (CTRL+K) Mayusha Rathod log out

Dashboard > Private-app-demo > #2

Status

</> Changes


Console Output


Edit Build Information


Delete build '#2'


Timings


Previous Build

 **#2 (Jul 24, 2024, 4:55:27 PM)**

 Add description Started 5.9 sec ago Took **0.99 sec**

 Failed to determine ([log](#))

 Started by user [Mayusha Rathod](#)

 This run spent:

- 9 ms waiting;
- 0.99 sec build duration;
- 1 sec total from scheduled to completion.

Keep this build forever

REST API Jenkins 2.452.3

Build failed if credentials removed.