

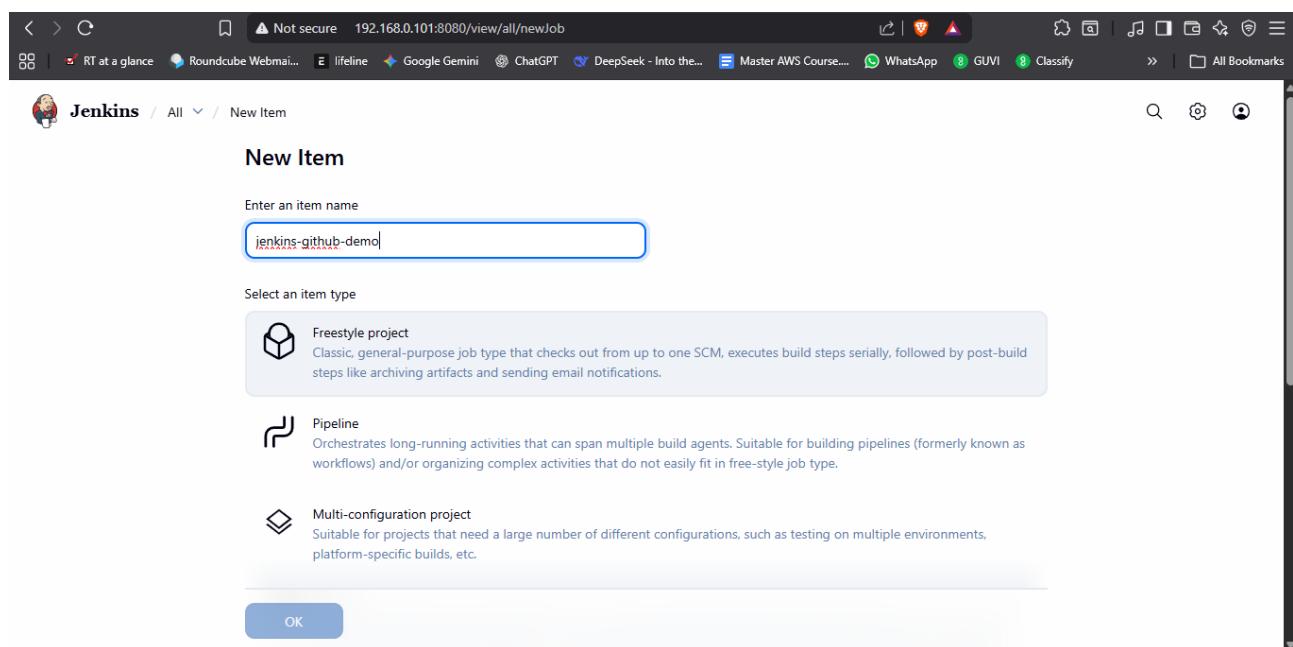
Jenkins Task-2

Task Description:

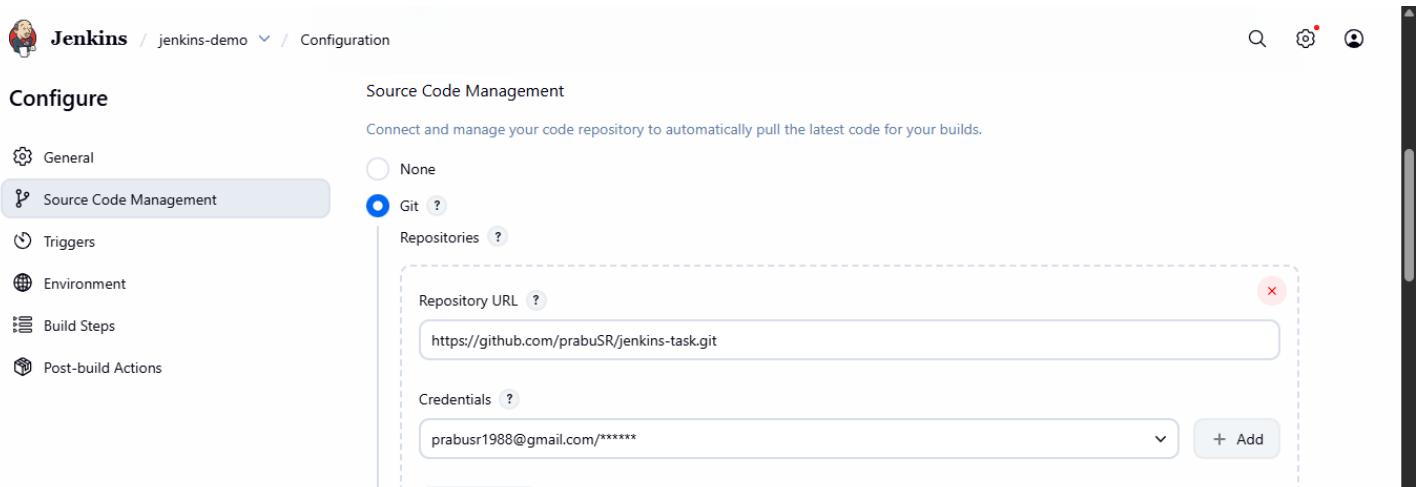
Create a simple script file and push it to repo. Create a project in Jenkins connected to your GitHub repository. When a commit is made to your repo, automatically build must get triggered from Jenkins and the output must be shared to me via email.

1. i created a new repository in github <https://github.com/prabuSR/jenkins-task.git>

2. i created a +newitem (job) in jenkins as **jenkins-demo**



The screenshot shows the Jenkins 'New Item' creation interface. The 'Item name' field contains 'jenkins-github-demo'. The 'Item type' dropdown is set to 'Freestyle project', which is described as a '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.' Below this, there are options for 'Pipeline' and 'Multi-configuration project'. At the bottom is an 'OK' button.



The screenshot shows the Jenkins 'Configuration' page for the 'jenkins-demo' job. The 'Source Code Management' tab is active, showing 'Git' selected. The 'Repository URL' is set to 'https://github.com/prabuSR/jenkins-task.git' and the 'Credentials' are set to 'prabusr1988@gmail.com/*****'. Other tabs like 'General', 'Triggers', 'Environment', 'Build Steps', and 'Post-build Actions' are visible on the left.

Configure

Build Steps

Automate your build process with ordered tasks like code compilation, testing, and deployment.

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

Execute Windows batch command

Command

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

```
echo "Build triggered by GitHub commit"
echo "Current time: %DATE% %TIME%" > build-output.txt
```

[Advanced](#) ▾

+ Add build step

[Save](#)

[Apply](#)

Configure

Post-build Actions

Define what happens after a build completes, like sending notifications, archiving artifacts, or triggering other jobs.

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

Editable Email Notification

Allows the user to disable the publisher, while maintaining the settings

Disable Extended Email Publisher

Project From

Project Recipient List

Comma-separated list of email address that should receive notifications for this project.

```
prabusr1988@gmail.com
```

Configure

Project Reply-To List

Comma-separated list of email address that should be in the Reply-To header for this project.

\$DEFAULT_REPLYTO

Content Type

Default Content Type

Default Subject

Build \${BUILD_STATUS}: \${JOB_NAME} #\${BUILD_NUMBER}

Default Content

```
The build has finished.
Status: ${BUILD_STATUS}
Check console output at ${BUILD_URL}
```

Jenkins / jenkins-demo / Configuration

Configure

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

Advanced Settings ^

Pre-send Script ?
\$DEFAULT_PRESEND_SCRIPT

Post-send Script ?
\$DEFAULT_POSTSEND_SCRIPT

Additional groovy classpath ?
+ Add

Save to Workspace ?

This screenshot shows the Jenkins configuration interface for a job named 'jenkins-demo'. The left sidebar lists various configuration sections. The 'Post-build Actions' section is currently selected and highlighted in grey. On the right, under 'Advanced Settings', there are fields for 'Pre-send Script' containing '\$DEFAULT_PRESEND_SCRIPT' and 'Post-send Script' containing '\$DEFAULT_POSTSEND_SCRIPT'. Below these are sections for 'Additional groovy classpath' with a '+ Add' button and an option to 'Save to Workspace'.

Jenkins / jenkins-demo / Configuration

Configure

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

Failure - Any ?

Send To

Developers ?

+ Add

Advanced ▾

Success ?

Send To

Recipient List ?

+ Add

This screenshot continues the Jenkins configuration for the 'jenkins-demo' job. It shows two sections for sending notifications: 'Failure - Any?' and 'Success?'. Both sections have 'Send To' fields. The 'Failure' section is set to 'Developers?' and the 'Success' section is set to 'Recipient List?'. Each section has a '+ Add' button and an 'Advanced' dropdown menu.

Jenkins / jenkins-demo / Configuration

Configure

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

Recipient List ?

+ Add

Advanced ▾

+ Add Trigger

+ Add post-build action

Save Apply

This screenshot shows the Jenkins configuration interface again. It displays the 'Recipient List ?' section from the previous screen, along with an 'Advanced' dropdown and a '+ Add Trigger' button. At the bottom, there are 'Save' and 'Apply' buttons. A '+ Add post-build action' button is also visible, indicating that more actions can be added to the pipeline.

4. configure jenkins system setting -> go to manage jenkins

5. meanwhile i configured webhook in github as i run my jenkins in localhost, it will not sync with github , so i used to install ranok to convert localhost to online with new online link in port 8080

The screenshot shows the GitHub settings interface for a repository named 'jenkins-task'. The left sidebar has a 'Webhooks' section selected. A single webhook is listed with the URL 'https://nonrecoiling-dax-solfataric.n... (push)'. The status indicates 'Last delivery was successful.' with an 'Edit' and 'Delete' button.

The screenshot shows the Jenkins management interface at 'http://192.168.0.101:8080/manage/configure'. Under the 'System' tab, there is a 'GitHub' configuration section. It shows a 'GitHub Server' entry with the name 'Github' and API URL 'https://api.github.com'. The 'Credentials' dropdown is set to 'Token for Jenkins-GitHub integration'. A 'Test connection' button is visible at the bottom right of the form.

Extended E-mail Notification

SMTP server

SMTP Port



Advanced ▾ Edited

Default user e-mail suffix ?

Default Subject ?

Maximum Attachment Size ?

Default Content ?

Check console output at \$BUILD_URL to view the results.

Default Pre-send Script ?

SMTP Port

Advanced ▾ Edited

Credentials



+ Add

Use SSL

Use TLS

Use OAuth 2.0

Advanced Email Properties

Jenkins / Manage Jenkins / System

E-mail Notification

SMTP server

Default user e-mail suffix ?

Advanced ^ Edited

Use SMTP Authentication ?

User Name

Password

Change Password

Jenkins / Manage Jenkins / System

prabusr1988@gmail.com

Password

Change Password

Use SSL ?

Use TLS

SMTP Port ?

Reply-To Address

Charset

Test configuration by sending test e-mail

Save **Apply**

5. i tryied to push a demo.txt file in github.com

6. it was triggerd in jenkins and i receive a gmail notification of that build log

Jenkins / All / Build History

+ New Item

Build History

Build Queue

No builds in the queue.

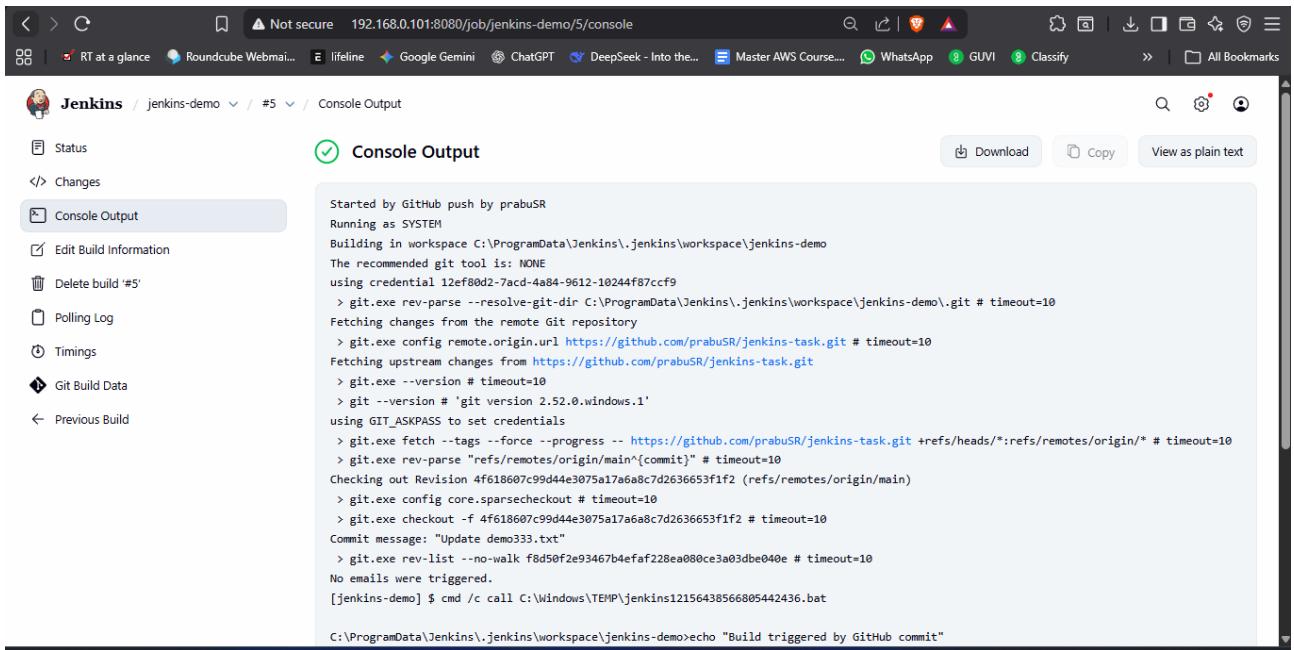
Build Executor Status

(0 of 2 executors busy)

Build History of Jenkins

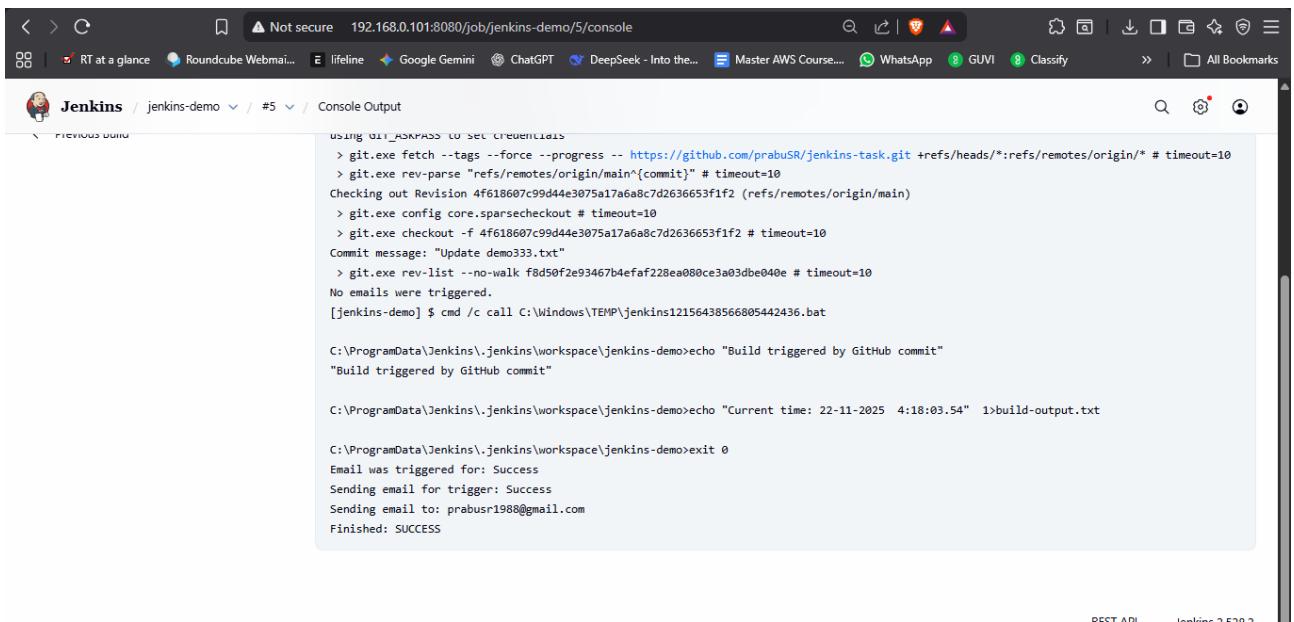
S	Build	Time Since	Status
✓	jenkins-demo #5	1 hr 13 min	stable
✓	jenkins-demo #4	1 hr 22 min	stable
✓	jenkins-demo #3	2 hr 38 min	stable
✓	jenkins-demo #2	2 hr 54 min	stable
✓	jenkins-demo #1	3 hr 16 min	stable

Icon: S M L



Started by GitHub push by prabuSR
Running as SYSTEM
Building in workspace C:\ProgramData\Jenkins\jenkins-demo
The recommended git tool is: NONE
using credential 12ef80d2-7acd-4a84-9612-10244f87ccf9
> git.exe rev-parse --resolve-git-dir C:\ProgramData\Jenkins\jenkins-demo\.git # timeout=10
Fetching changes from the remote Git repository
> git.exe config remote.origin.url https://github.com/prabuSR/jenkins-task.git # timeout=10
Fetching upstream changes from https://github.com/prabuSR/jenkins-task.git
> git.exe --version # timeout=10
> git --version # 'git version 2.52.0.windows.1'
using GIT_ASKPASS to set credentials
> git.exe fetch --tags --force --progress -- https://github.com/prabuSR/jenkins-task.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git.exe rev-parse "refs/remotes/origin/main^{commit}" # timeout=10
Checking out Revision 4f618607c99d44e3075a17a6a8c7d2636653f1f2 (refs/remotes/origin/main)
> git.exe config core.sparsecheckout # timeout=10
> git.exe checkout -f 4f618607c99d44e3075a17a6a8c7d2636653f1f2 # timeout=10
Commit message: "Update demo333.txt"
> git.exe rev-list --no-walk f8d50f2e93467b4efaf228ea080ce3a03dbe040e # timeout=10
No emails were triggered.
[jenkins-demo] \$ cmd /c call C:\Windows\TEMP\jenkins12156438566805442436.bat

C:\ProgramData\Jenkins\jenkins-demo>echo "Build triggered by GitHub commit"



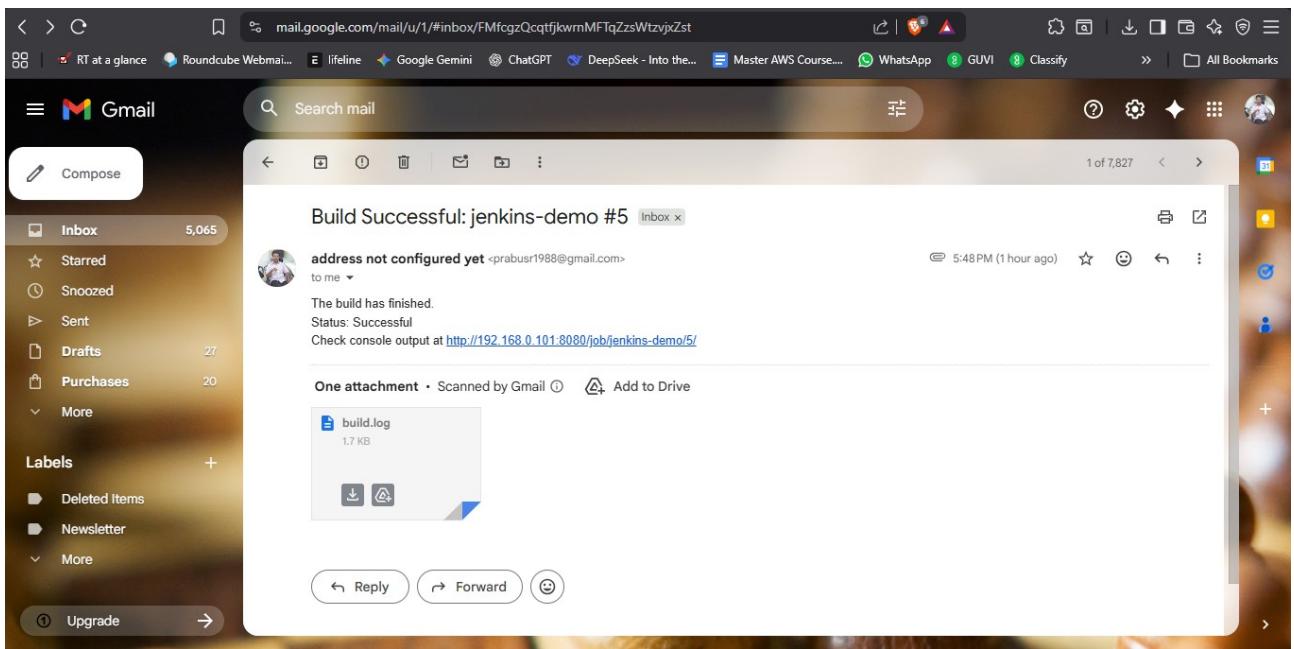
Using GIT_ASKPASS to set credentials
> git.exe fetch --tags --force --progress -- https://github.com/prabuSR/jenkins-task.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git.exe rev-parse "refs/remotes/origin/main^{commit}" # timeout=10
Checking out Revision 4f618607c99d44e3075a17a6a8c7d2636653f1f2 (refs/remotes/origin/main)
> git.exe config core.sparsecheckout # timeout=10
> git.exe checkout -f 4f618607c99d44e3075a17a6a8c7d2636653f1f2 # timeout=10
Commit message: "Update demo333.txt"
> git.exe rev-list --no-walk f8d50f2e93467b4efaf228ea080ce3a03dbe040e # timeout=10
No emails were triggered.
[jenkins-demo] \$ cmd /c call C:\Windows\TEMP\jenkins12156438566805442436.bat

C:\ProgramData\Jenkins\jenkins-demo>echo "Build triggered by GitHub commit"
"Build triggered by GitHub commit"

C:\ProgramData\Jenkins\jenkins-demo>echo "Current time: 22-11-2025 4:18:03.54" 1>build-output.txt

C:\ProgramData\Jenkins\jenkins-demo>exit 0
Email was triggered for: Success
Sending email for trigger: Success
Sending email to: prabusr1988@gmail.com
Finished: SUCCESS

REST API Jenkins 2.528.2



Successfully jenkins process worked!!!!