

## 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.

### Solution#

1- Created script file and push to repo in github

```
echo "# JenkinsTask2" >> README.md
```

```
git init
```

```
git add README.md
```

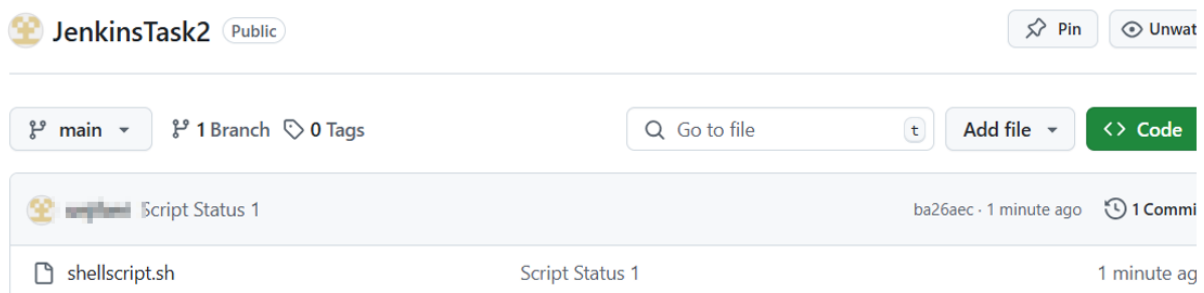
```
git commit -m "first commit"
```

```
git branch -M main
```

```
git remote add origin https://github.com/unjilani/JenkinsTask2.git
```

```
git push -u origin main
```

script uploaded



The screenshot shows the GitHub interface for a repository named "JenkinsTask2", which is marked as "Public". At the top right, there are buttons for "Pin" and "Unwatch". Below the repository name, the branch "main" is selected, showing "1 Branch" and "0 Tags". A search bar "Go to file" and buttons "Add file" and "Code" are visible. The commit history shows a single commit titled "Script Status 1" by user "unjilani" (indicated by a profile icon), with commit hash "ba26aec" and timestamp "1 minute ago". The commit message is "Script Status 1". The file "shellscript.sh" is listed as part of this commit, with a file icon to its left.

## 2- Create Freestyle project in Jenkins

### Source Code Management

☐ None

☒ Git ?

Repositories ?

Repository URL ?

https://github.com/unjilani/JenkinsTask2.git

Credentials ?

unjilani/\*\*\*\*\* (Git-repo)

### Build Triggers

☐ Build after other projects are built ?

☐ Build periodically ?

☒ GitHub hook trigger for GITScm polling ?

☐ Poll SCM ?

☐ Quiet period ?

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

## Configure Email notification when commit happens

### Post-build Actions

≡ **E-mail Notification** ?

Recipients

Whitespace-separated list of recipient addresses. May reference build parameters like \$PARAM. E-mail will be sent when a build fails, becomes unstable or returns to stable.

d95378752@gmail.com

☒ Send e-mail for every unstable build

?

☒ Send separate e-mails to individuals who broke the build

Pipeline script from SCM

SCM ?

Git

Repositories ?

Repository URL ?

https://github.com/unjilani/JenkinsTask2.git

Credentials ?

unjilani/\*\*\*\*\* (Git-repo)

+ Add

Advanced

Add Repository

Save file

## Select Repository in Github and link webhook

unjilani / JenkinsTask2

Issues Pull requests Actions Projects Wiki Security Insights Settings

General

Access

Collaborators

Moderation options

Code and automation

Branches

Tags

Rules

Actions

Webhooks

Environments

Codespaces

Pages

General

Repository name

JenkinsTask2

Rename

☐ Template repository

Template repositories let users generate new repositories with the same direc

☐ Require contributors to sign off on web-based commits

Enabling this setting will require contributors to sign off on commits made th contributors to affirm that their commit complies with the repository's terms, [more about signing off on commits.](#)

Default branch

The default branch is considered the "base" branch in your repository automatically made, unless you specify a different branch.

main

## Webhooks

Add webhook

## Webhooks

Webhooks allow external services to be notified when certain events happen. When the specified events happen, Jenkins sends a POST request to each of the URLs you provide. Learn more in our [Webhooks Guide](#).

✓ [http://3.145.79.200:8080/github-we...](http://3.145.79.200:8080/github-webhook/) (all events)

Last delivery was successful.

Go to dashboard-> manage-> system verify the link is there

GitHub

GitHub Servers ?

Add GitHub Server

### By default

This plugin doesn't do anything with the GitHub API unless you add a configuration with credentials. So if you don't want to add any configuration, you can set up hooks for this Jenkins instance manually. In this mode, in addition to configuring projects with "GitHub hook trigger for GITScm polling", you need to ensure that Jenkins gets a POST to its <http://3.145.79.200:8080/github-webhook/>.

### If you set up credentials

In this mode, Jenkins will add/remove hook URLs to GitHub based on the project configuration. Jenkins has a single post-commit hook URL for all the repositories, and this URL will be added to all the GitHub repositories Jenkins is interested in. You should provide credentials with scope **admin:repo\_hook** for every repository which should be managed by Jenkins. It needs to read the current list of hooks, create new hooks and remove old hooks.

The Hook URL is <http://3.145.79.200:8080/github-webhook/>, and it needs to be accessible from the internet. If you have a firewall and such between GitHub and Jenkins, you can set up a reverse proxy or override the hook URL that Jenkins registers to GitHub, by checking "override hook URL" in the advanced configuration and specify to which URL GitHub should POST.

## SMTP configuration

### Extended E-mail Notification

SMTP server

smtp.gmail.com

SMTP Port

465


### Credentials

d953 [redacted] gmail.com/\*\*\*\*\*

+ Add

☒ Use SSL

## When commit happens via Github then build triggered automatically and send email to configured email ID

  JenkinsTask2

8 min 18 sec [#7](#)

1 day 18 hr [#2](#)

0.4 sec



### JenkinsTask2

Create a simple script file and push it to repo. Create .  
output must be shared to me via email.

#### Permalinks

- [Last build \(#7\)](#), 3 min 30 sec ago
- [Last stable build \(#7\)](#), 3 min 30 sec ago
- [Last successful build \(#7\)](#), 3 min 30 sec ago
- [Last failed build \(#2\)](#), 1 day 18 hr ago
- [Last unsuccessful build \(#2\)](#), 1 day 18 hr ago
- [Last completed build \(#7\)](#), 3 min 30 sec ago

### #7 (Dec 9, 2024, 5:51:32 AM)



Started by [GitHub push by unjilani](#)



This run spent:

- 8.2 sec waiting;
- 0.4 sec build duration;
- 8.6 sec total from scheduled to completion.



**Revision:** 2438719c55bb216d6473c53da49fe26c533921b7

**Repository:** <https://github.com/unjilani/JenkinsTask2.git>

- [refs/remotes/origin/main](#)



Changes


1. 15th Edition ([details](#) / [githubweb](#))

## Console output : Email sent to configured email ID after commit successful on Github


### ✓ Console Output


```
Started by GitHub push by unjilani
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/JenkinsTask2
Selected Git installation does not exist. Using Default
The recommended git tool is: NONE
using credential unjilani
> /usr/bin/git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/JenkinsTask2/.git # timeout=10
Fetching changes from the remote Git repository
> /usr/bin/git config remote.origin.url https://github.com/unjilani/JenkinsTask2.git # timeout=10
Fetching upstream changes from https://github.com/unjilani/JenkinsTask2.git
> /usr/bin/git --version # timeout=10
> git --version # 'git version 2.40.1'
using GIT_ASKPASS to set credentials Git-repo
> /usr/bin/git fetch --tags --force --progress -- https://github.com/unjilani/JenkinsTask2.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> /usr/bin/git rev-parse refs/remotes/origin/main^{commit} # timeout=10
Checking out Revision 2438719c55bb216d6473c53da49fe26c533921b7 (refs/remotes/origin/main)
> /usr/bin/git config core.sparsecheckout # timeout=10
> /usr/bin/git checkout -f 2438719c55bb216d6473c53da49fe26c533921b7 # timeout=10
Commit message: "15th Edition"
> /usr/bin/git rev-list --no-walk b77b248a4656abf3aac1867ebf50e13942680195 # timeout=10
No emails were triggered.
Email was triggered for: Always
Sending email for trigger: Always
Warning: user (id: unjilani, email: unjilani@yahoo.com) is not a recognized user, but sending mail anyway
Sending email to: unjilani@yahoo.com d95f1b1b2@gmail.com
Finished: SUCCESS
```

## Github Commit status

 JenkinsTask2 Public Pin Unwatch

main 1 Branch 0 Tags  Add file Code

 unjilani 15th Edition 2438719 · 5 minutes ago 16 Commits

 shellscrip.sh

15th Edition

5 minutes ago