

1. Repository: [https://github.com/NahidReza08/devops\\_assignment](https://github.com/NahidReza08/devops_assignment)
  - It was a private repository when the pipeline was created.
  - After completing the assignment, I made it public.
2. Jenkins Pipeline: [http://13.212.207.47:8080/job/nahid\\_reza\\_pipeline\\_project/](http://13.212.207.47:8080/job/nahid_reza_pipeline_project/)
  - I used the same Jenkin setup that was shown in the class.
  - Url: <http://13.212.207.47:8080>; Username: ostad; Password: ostad
3. Configuration:

### Triggers

Set up automated actions that start your build based on specific events, like code changes or scheduled times.

- ☐ Build after other projects are built ?
- ☐ Build periodically ?
- ☒ GitHub hook trigger for GITScm polling ?
- ☐ Poll SCM ?
- ☐ Trigger builds remotely (e.g., from scripts) ?

### Script:

```
pipeline {
  agent any

  stages {
    stage('Checkout') {
      steps {
        echo '--- Checking out the latest code from the main branch ---'
        git branch: 'main', credentialsId: 'nahid_reza', url: 'https://github.com/NahidReza08/devops_assignment.git'
      }
    }
    stage('Build') {
      steps {
        echo '--- Reading hello.txt file ---'
        sh '''
        ... cat hello.txt
        '''
      }
    }
  }
}
```

4. GitHub Webhook:

General

Access

Collaborators

Code and automation

Branches

Tags

Rules

Actions

Models

Webhooks

Codespaces

Pages

Security

Code Security

Deploy keys

Secrets and variables

Integrations

GitHub Apps

Email notifications

Webhooks / Manage webhook

SettingsRecent Deliveries

We'll send a POST request to the URL below with details of any subscribed events. You can also specify which data format you'd like to receive (JSON, x-www-form-urlencoded, etc). More information can be found in [our developer documentation](#).

Payload URL \*

http://13.212.207.47:8080/github-webhook/

Content type \*

application/json

Secret

SSL verification

By default, we verify SSL certificates when delivering payloads.

Enable SSL verification

Disable (not recommended)

Which events would you like to trigger this webhook?

Just the push event.

Send me everything.

Let me select individual events.

Active

We will deliver event details when this hook is triggered.

Update webhook

Delete webhook

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SettingsRecent Deliveries

✓		23833e30-189a-11f0-8f81-5fe823fea4f1	push	2025-04-14 01:04:35	...
✓		7c57a080-188d-11f0-850e-60e09757fe0f	push	2025-04-13 23:34:01	...
✓		75ca8352-1880-11f0-87bf-23b95ed20f8e	push	2025-04-13 23:32:17	...
✓		75ca8352-1880-11f0-87bf-23b95ed20f8e	push	2025-04-13 23:30:48	...
✓		75ca8352-1880-11f0-87bf-23b95ed20f8e	push	2025-04-13 22:48:39	...
✓		75ca8352-1880-11f0-87bf-23b95ed20f8e	push	2025-04-13 22:00:46	...
✓		3bdfbd30-187e-11f0-8755-a8c6e488e0b2	ping	2025-04-13 21:52:14	...
✓		3bdfbd30-187e-11f0-8755-a8c6e488e0b2	ping	2025-04-13 21:49:22	...
⚠		3bdfbd30-187e-11f0-8755-a8c6e488e0b2	ping	2025-04-13 21:44:50	...

5. Build log: [http://13.212.207.47:8080/job/nahid\\_reza\\_pipeline\\_project/7/console](http://13.212.207.47:8080/job/nahid_reza_pipeline_project/7/console)

```

Started by GitHub push by NahidReza08
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in /var/lib/jenkins/workspace/nahid_reza_pipeline_project
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Checkout)
[Pipeline] echo
--- Checking out the latest code from the main branch ---
[Pipeline] git
The recommended git tool is: NONE
using credential nahid_reza
> git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/nahid_reza_pipeline_project/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/NahidReza08/devops_assignment.git # timeout=10
Fetching upstream changes from https://github.com/NahidReza08/devops_assignment.git
> git --version # timeout=10
> git --version # 'git version 2.34.1'
using GIT_ASKPASS to set credentials
> git fetch --tags --force --progress -- https://github.com/NahidReza08/devops_assignment.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/main^{commit} # timeout=10
Checking out Revision 7258e1a29eb253d3a4cc1c98dc05e9921d350fc9 (refs/remotes/origin/main)
> git config core.sparsecheckout # timeout=10
> git checkout -f 7258e1a29eb253d3a4cc1c98dc05e9921d350fc9 # timeout=10
> git branch -a -v --no-abbrev # timeout=10
> git branch -D main # timeout=10
> git checkout -b main 7258e1a29eb253d3a4cc1c98dc05e9921d350fc9 # timeout=10
Commit message: "Jenkinsfile added"
> git rev-list --no-walk 548c6179d76c69b23250ac887d8c529445f9575c # timeout=10
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Build)
[Pipeline] echo
--- Reading hello.txt file ---
[Pipeline] sh
+ cat hello.txt
Hello world!

Trying to develop a GitHub Webhook to trigger the Jenkins job.

Trial 1.

Trial 2.
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS

```