

Devops

Assignment – 2

STEPS:

Step 1: Open Jenkins and click "New Item."

Step 2: Enter a project name, select "Pipeline," then click OK.

Step 3: In the General tab, scroll down to the "Pipeline" section.

Step 4: Under "Definition," select "Pipeline script from SCM."

Step 5: In the SCM field, choose "Git," then enter your GitHub repository URL.

Step 6: Ensure your GitHub repository contains the following files:

- app.py (Application code)
- Dockerfile (Instructions to build the Docker image)
- docker-compose.yml (For container orchestration)
- Jenkinsfile (Defines the pipeline stages.
- requirements.txt (Dependencies for the application)

Step 7: Click "Save" to apply the configuration.

Step 8: On the project page, click "Build Now" to start the job.

Step 9: The build status will appear in the Build History panel (left-side panel).

Dashboard > Demo4 > #6

Status

Changes

Console Output

Edit Build Information

Timings

Open Blue Ocean

Pipeline Overview

Pipeline Console

Thread Dump

Pause/resume

Replay

Pipeline Steps

Workspaces

Previous Build

Console Output

Started by user POONTAMILSELVAN PA

Obtained Jenkinsfile from git git@github.com:Pootamilselvan7/Devops.git

[Pipeline] Start of Pipeline

[Pipeline] node

Running on Jenkins in /var/jenkins_home/workspace/Demo4

[Pipeline] {

[Pipeline] stage

[Pipeline] { (Declarative: Checkout SCM)

[Pipeline] checkout

The recommended git tool is: git

No credentials specified

Cloning the remote Git repository

Cloning repository git@github.com:Pootamilselvan7/Devops.git

> git init /var/jenkins_home/workspace/Demo4 # timeout=10

Fetching upstream changes from git@github.com:Pootamilselvan7/Devops.git

> git --version # timeout=10

> git --version # 'git version 2.39.5'

> git fetch --tags --force --progress -- git@github.com:Pootamilselvan7/Devops.git +refs/heads/*:refs/remotes/origin/* # timeout=10

> git config remote.origin.url git@github.com:Pootamilselvan7/Devops.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/main^{commit} # timeout=10

Checking out Revision c2b7821111fb908427fa8329e85ea4326b72b899 (refs/remotes/origin/main)

Dashboard > Demo4 > #6

Pipeline Steps

Workspaces

Previous Build

Console Output

> git --version # timeout=10

> git --version # 'git version 2.39.5'

> git fetch --tags --force --progress -- git@github.com:Pootamilselvan7/Devops.git +refs/heads/*:refs/remotes/origin/* # timeout=10

> git config remote.origin.url git@github.com:Pootamilselvan7/Devops.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/main^{commit} # timeout=10

Checking out Revision c2b7821111fb908427fa8329e85ea4326b72b899 (refs/remotes/origin/main)

> git config core.sparsecheckout # timeout=10

> git checkout -f c2b7821111fb908427fa8329e85ea4326b72b899 # timeout=10

Commit message: "Create Jenkinsfile"

First time build. Skipping changelog.

[Pipeline] }

[Pipeline] // stage

[Pipeline] withEnv

[Pipeline] {

[Pipeline] stage

[Pipeline] { (Build)

[Pipeline] echo

Building...

[Pipeline] }

[Pipeline] // stage

[Pipeline] stage

[Pipeline] { (Test)

[Pipeline] echo

Testing...

[Pipeline] }

[Pipeline] // stage

[Pipeline] stage (hide)

[Pipeline] { (Deploy)

Dashboard > Demo4 > #6

```
[Pipeline] stage
[Pipeline] { (Build)
[Pipeline] echo
Building...
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Test)
[Pipeline] echo
Testing...
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Deploy)
[Pipeline] echo
Deploying...
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```

REST API Jenkins 2.498

15:32 22-03-2025