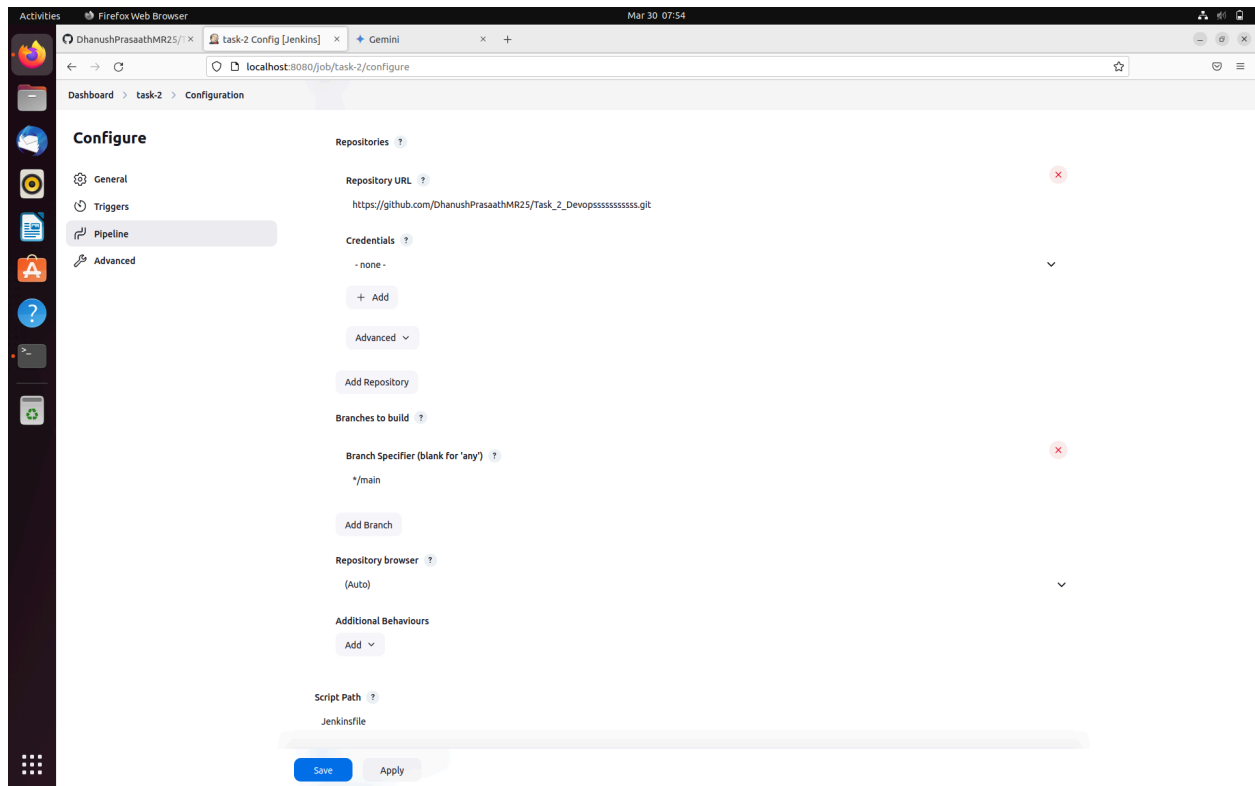


Devops_Task 2

Steps:

1. Open Jenkins and click “New Item”
2. Enter a project name, select “Pipeline” then click OK.
3. In the General tab, scroll down to the “Pipeline” section.
4. Under “Definition” select Pipeline script from SCM.
5. In the SCM field, choose “Git” then enter your GitHub repository URL.



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)
7. Click “Save” to apply the configuration.
8. On the project page, click “Build Now” to start the job.
9. The build status will appear in the Build History panel (left-side panel).
10. Click on the latest build (#1, #2, etc.) and select “Console Output” to view logs and

Results.

Activities Firefox Web Browser Mar 30 07:53

DhanushPrasaathMR25 task-2 #2 Console [Jen] Gemini localhost:8080/job/task-2/console

Jenkins

Dashboard > task-2 > #2

Status Console Output Download Copy View as plain text

Changes Console Output Edit Build Information Timings Pipeline Overview Pipeline Console Thread Dump Pause/resume Replay Pipeline Steps Workspaces Previous Build

Console Output

```
Started by user Dhanush Prasaath MR
Obtained Jenkinsfile from git https://github.com/DhanushPrasaathMR25/Task_2_Devopssssssssss.git
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in /var/lib/jenkins/workspace/task-2
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Declarative: Checkout SCM)
[Pipeline] checkout
Selected Git installation does not exist. Using Default
The recommended git tool is: NONE
No credentials specified
> git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/task-2/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/DhanushPrasaathMR25/Task_2_Devopssssssssss.git # timeout=10
Fetching upstream changes from https://github.com/DhanushPrasaathMR25/Task_2_Devopssssssssss.git
> git --version # timeout=10
> git --version # 'git version 2.34.1'
> git fetch --tags --force --progress -- https://github.com/DhanushPrasaathMR25/Task_2_Devopssssssssss.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/main^{commit} # timeout=10
Checking out Revision ece0fe44276f82d1339d6fb17de5d00218baeb59 (refs/remotes/origin/main)
> git config core.sparsecheckout # timeout=10
> git checkout -f ece0fe44276f82d1339d6fb17de5d00218baeb59 # timeout=10
Commit message: "Update docker-compose.yml"
> git rev-list --no-walk ece0fe44276f82d1339d6fb17de5d00218baeb59 # timeout=10
[Pipeline] }
[Pipeline] // stage
[Pipeline] withEnv
[Pipeline] {
[Pipeline] withEnv
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Checkout Code)
[Pipeline] git
Selected Git installation does not exist. Using Default
The recommended git tool is: NONE
using credential Githubb
> git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/task-2/.git # timeout=10
```

Activities Firefox Web Browser Mar 30 07:52

DhanushPrasaathMR25 task-2 #2 Console [Jen] Gemini localhost:8080/job/task-2/console

Jenkins

Dashboard > task-2 > #2

```
#0 CACHED
#9 [4/5] RUN pip install --no-cache-dir -r requirements.txt
#9 CACHED
#10 [5/5] COPY . /app
#10 CACHED
#11 exporting to image
#11 exporting layers done
#11 writing image sha256:8078b26b3a76ff6b3f767178f13349a0848efa2f44499197cea716237e62ee0 0.1s done
#11 naming to docker.io/library/task-2_app
#11 naming to docker.io/library/task-2_app 0.1s done
#11 DONE 0.3s
Image for service app was built because it did not already exist. To rebuild this image you must use `docker-compose build` or `docker-compose up --build`.
Creating task-2_redis_1 ...
Creating task-2_db_1 ...
Creating task-2_redis_1 ... done
Creating task-2_db_1 ... done
Creating task-2_app_1 ...
Creating task-2_app_1 ... done
[Pipeline] }
[Pipeline] // script
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Declarative: Post Actions)
[Pipeline] echo
Pipeline executed successfully!
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```

REST API Jenkins 2.492.2