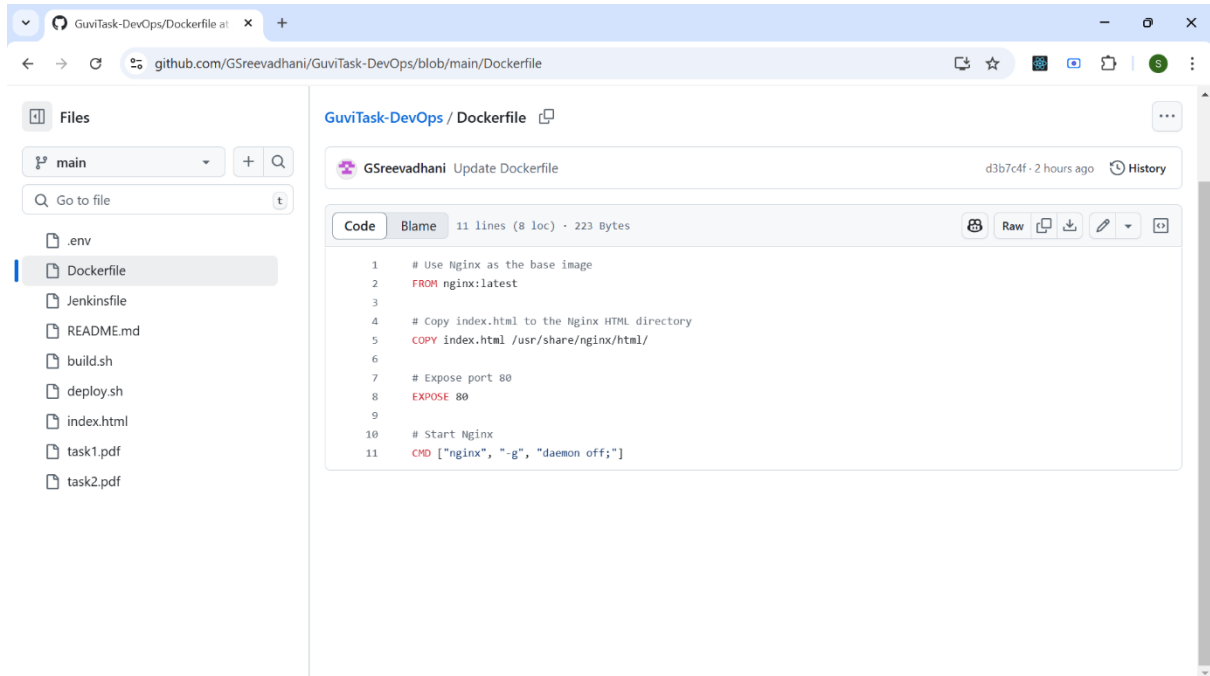


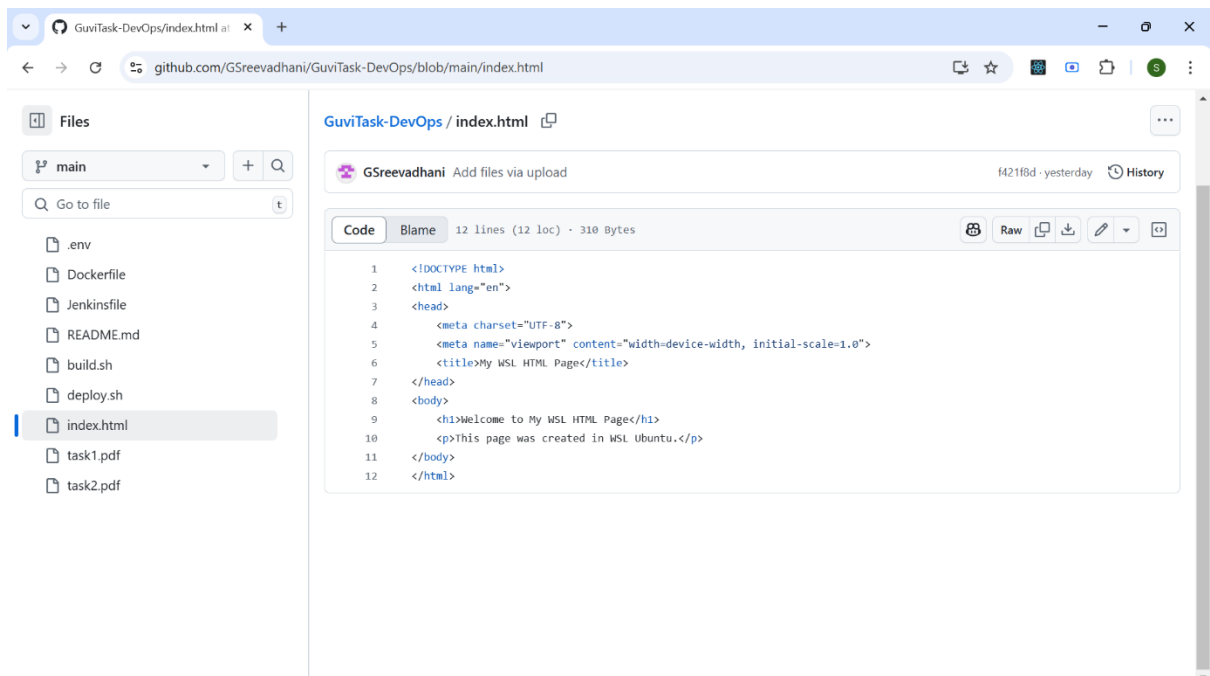
## TASK 2

### Step 1: Create a index.html , Dockerfile, Jenkinsfile, build.sh and deploy.sh files



The screenshot shows the GitHub repository page for Gsreevadhani/GuviTask-DevOps. The file Dockerfile is selected in the left sidebar. The main content area displays the Dockerfile code, which is 11 lines long (8 loc) and 223 Bytes. The code is as follows:

```
1 # Use Nginx as the base image
2 FROM nginx:latest
3
4 # Copy index.html to the Nginx HTML directory
5 COPY index.html /usr/share/nginx/html/
6
7 # Expose port 80
8 EXPOSE 80
9
10 # Start Nginx
11 CMD ["nginx", "-g", "daemon off;"]
```



The screenshot shows the GitHub repository page for Gsreevadhani/GuviTask-DevOps. The file index.html is selected in the left sidebar. The main content area displays the index.html code, which is 12 lines long (12 loc) and 310 Bytes. The code is as follows:

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>My WSL HTML Page</title>
7 </head>
8 <body>
9   <h1>Welcome to My WSL HTML Page</h1>
10  <p>This page was created in WSL Ubuntu.</p>
11 </body>
12 </html>
```

GuviTask-DevOps/Jenkinsfile at main · GSreevadhani/GuviTask-DevOps · GitHub

Files

- main
- .env
- Dockerfile
- Jenkinsfile
- README.md
- build.sh
- deploy.sh
- index.html
- task1.pdf
- task2.pdf

GuviTask-DevOps / Jenkinsfile

GSreevadhani Add files via upload a6d35c3 · 6 hours ago History

Code Blame 18 lines (13 loc) · 380 Bytes

```
1 pipeline {
2   agent any
3
4   stages {
5     stage('Build and Push Docker Image') {
6       steps {
7         // Grant executable permissions to the build script
8         sh 'chmod +x deploy.sh'
9
10        // Build the Docker image using the build script
11        sh './deploy.sh'
12
13      }
14    }
15  }
16
17 }
18 }
```

GuviTask-DevOps/build.sh at main · GSreevadhani/GuviTask-DevOps · GitHub

GSreevadhani / GuviTask-DevOps

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

Files

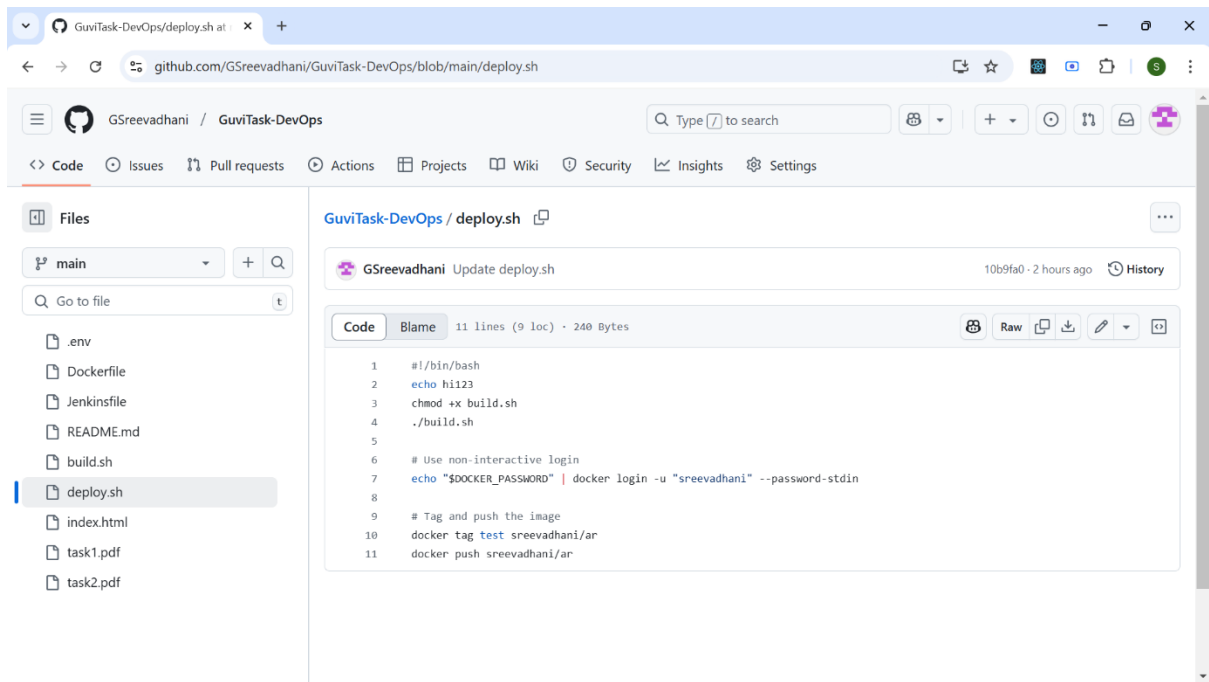
- main
- .env
- Dockerfile
- Jenkinsfile
- README.md
- build.sh
- deploy.sh
- index.html
- task1.pdf
- task2.pdf

GuviTask-DevOps / build.sh

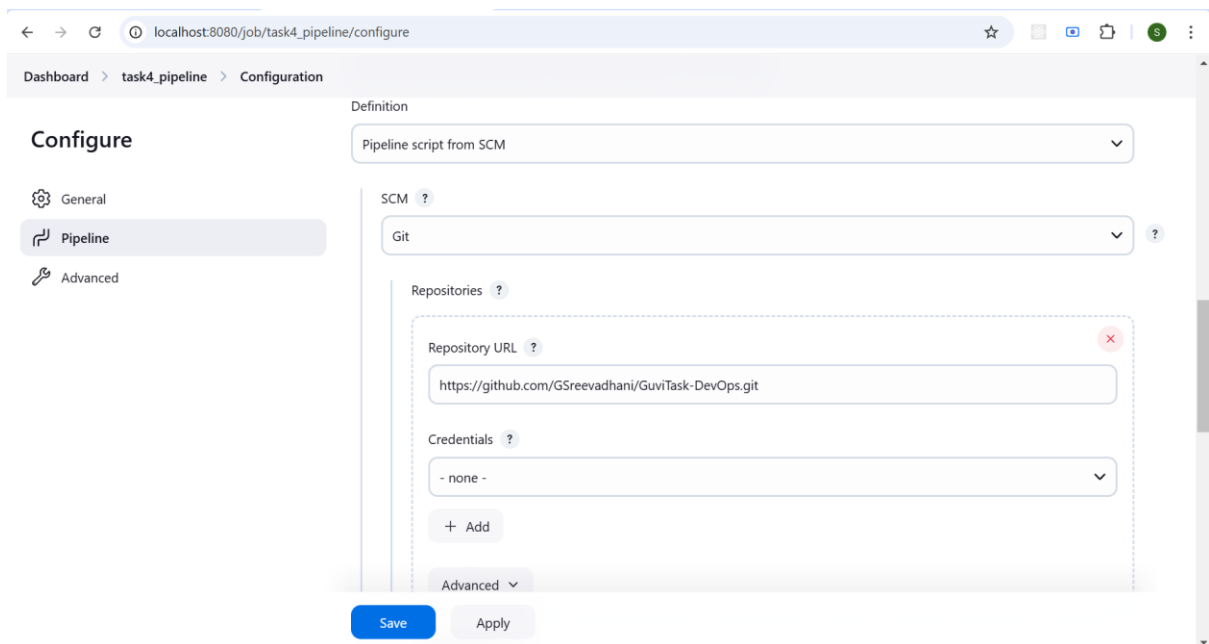
GSreevadhani Add files via upload a6d35c3 · 6 hours ago History

Code Blame 2 lines (2 loc) · 34 Bytes

```
1 #!/bin/bash
2 docker build -t test .
```



## Step 2: Check by creating a new pipeline



Dashboard > task4\_pipeline >

Build Now

Configure

Delete Pipeline

Stages

Rename

Pipeline Syntax

GitHub Hook Log

### Permalinks

- Last build (#4), 19 min ago
- Last stable build (#3), 15 hr ago
- Last successful build (#3), 15 hr ago
- Last failed build (#4), 19 min ago
- Last unsuccessful build (#4), 19 min ago
- Last completed build (#4), 19 min ago

Builds

\*\*\*

Filter

/

Today

✓

#5

7:47 AM

▼

✗

#4

7:28 AM

▼

February 4, 2025

✓

#3

4:19 PM

▼

localhost:8080/job/task4\_pipeline/5/pipeline-console/

Jenkins

Search (CTRL+K)

Sreevadhani G

log out

Dashboard > task4\_pipeline > #5 > Pipeline Console

✓ < Build #5

Rebuild

Overview

Configure

...

Success 4 min 54 sec ago in 47 sec

✓ Checkout SCM

✓ Build and Push Docker Image

Queued 0 ms

Took 40 sec

Success

Running on Jenkins

View as plain text

✓ chmod +x deploy.sh

Shell Script

0.29 sec

↗

🔗

▼

✓ ./deploy.sh

Shell Script

39 sec

↗

🔗

^

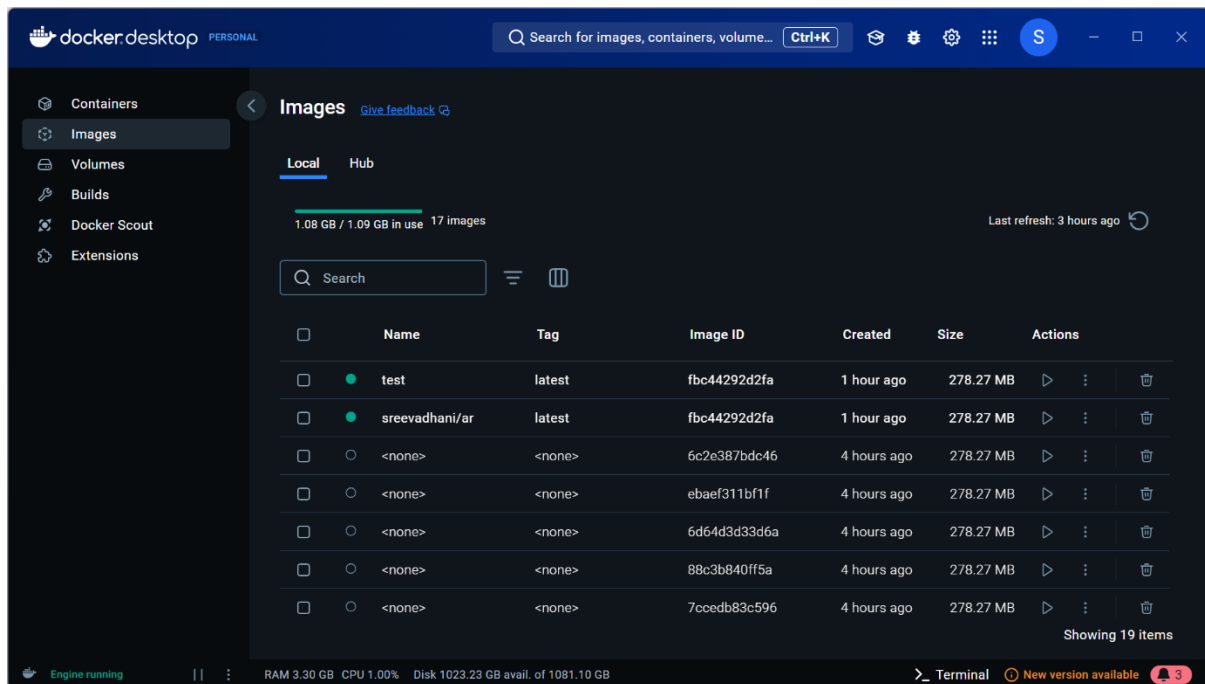
0 + ./deploy.sh

1 hi123

2 failed to fetch metadata: fork/exec /usr/local/lib/docker/cli-plugins/docker-buildx: no such file or directory

Jenkins 2.479.3

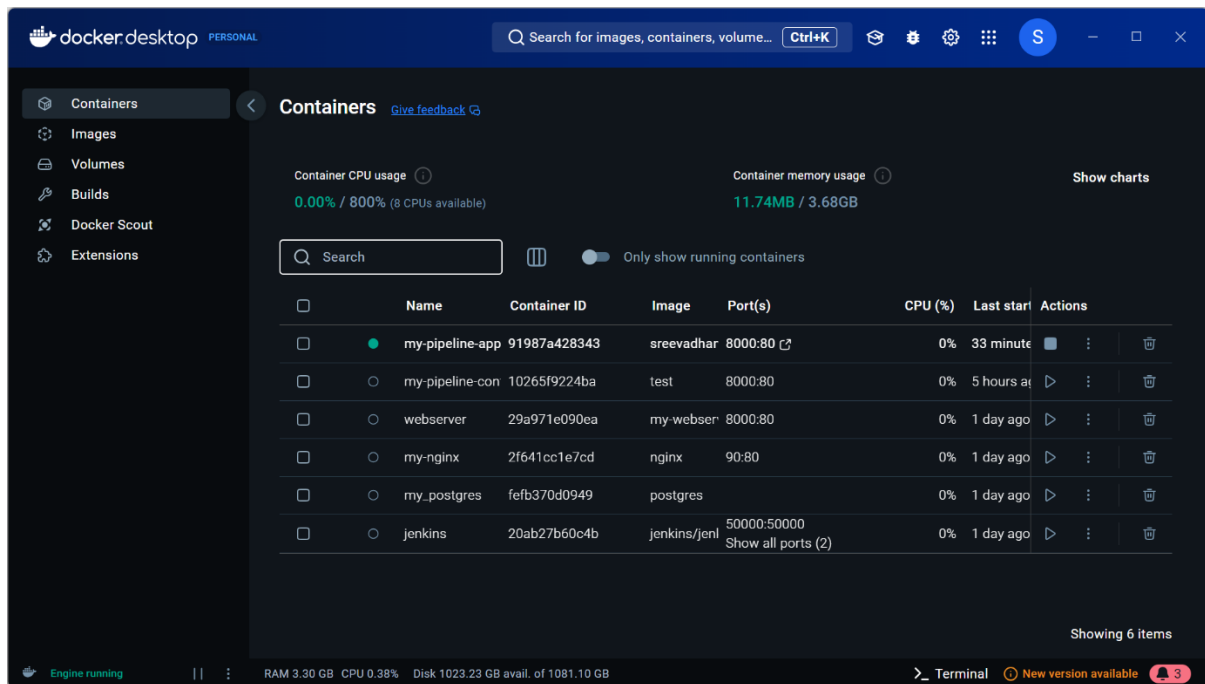
### Step 3: See to the docker if the image is created



### Step 4: Convert the image to container

```
sree_ubuntu@sree: ~
seconds ago Up 9 seconds 80/tcp, 0.0.0.0:8000->8080/tcp my-pipeline-container
sree_ubuntu@sree:~$ docker logs -f my-pipeline-container
/docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configuration
/docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/
/docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-default.sh
10-listen-on-ipv6-by-default.sh: info: Getting the checksum of /etc/nginx/conf.d/default.conf
10-listen-on-ipv6-by-default.sh: info: Enabled listen on IPv6 in /etc/nginx/conf.d/default.conf
/docker-entrypoint.sh: Sourcing /docker-entrypoint.d/15-local-resolvers.envsh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.sh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-processes.sh
/docker-entrypoint.sh: Configuration complete; ready for start up
2025/02/05 03:42:20 [notice] 1#1: using the "epoll" event method
2025/02/05 03:42:20 [notice] 1#1: nginx/1.27.3
2025/02/05 03:42:20 [notice] 1#1: built by gcc 12.2.0 (Debian 12.2.0-14)
2025/02/05 03:42:20 [notice] 1#1: OS: Linux 5.15.153.1-microsoft-standard-WSL2
2025/02/05 03:42:20 [notice] 1#1: getrlimit(RLIMIT_NOFILE): 1048576:1048576
2025/02/05 03:42:20 [notice] 1#1: start worker processes
2025/02/05 03:42:20 [notice] 1#1: start worker process 29
2025/02/05 03:42:20 [notice] 1#1: start worker process 30
2025/02/05 03:42:20 [notice] 1#1: start worker process 31
2025/02/05 03:42:20 [notice] 1#1: start worker process 32
2025/02/05 03:42:20 [notice] 1#1: start worker process 33
2025/02/05 03:42:20 [notice] 1#1: start worker process 34
2025/02/05 03:42:20 [notice] 1#1: start worker process 35
2025/02/05 03:42:20 [notice] 1#1: start worker process 36
^Ccontext canceled
sree_ubuntu@sree:~$ docker exec -it my-pipeline-container netstat -tulnp
OCI runtime exec failed: exec failed: unable to start container process: exec: "netstat": executable file not found in $PATH: unknown
sree_ubuntu@sree:~$ docker stop my-pipeline-container
my-pipeline-container
sree_ubuntu@sree:~$ docker rm my-pipeline-container
my-pipeline-container
sree_ubuntu@sree:~$ docker run -d -p 8000:80 --name my-pipeline-container test
10265f9224ba8c7edd8c45b0c1346b8275ae17a8057cd7c3628aba3ad37c7570
sree_ubuntu@sree:~$ docker rm my-pipeline-container
Error response from daemon: cannot remove container "/my-pipeline-container": container is running: stop the container before removing or force remove
sree_ubuntu@sree:~$ docker run -d -p 8000:80 --name my-pipeline-container test
docker: Error response from daemon: Conflict. The container name "/my-pipeline-container" is already in use by container "10265f9224ba8c7edd8c45b0c1346b8275ae17a8057cd7c3628aba3ad37c7570". You have to remove (or rename) that container to be able to reuse that name.
See 'docker run --help'.
sree_ubuntu@sree:~$
```

## Step 5: Check whether the container is running



## Step 6: Go to <http://localhost:8000> and verify the output



