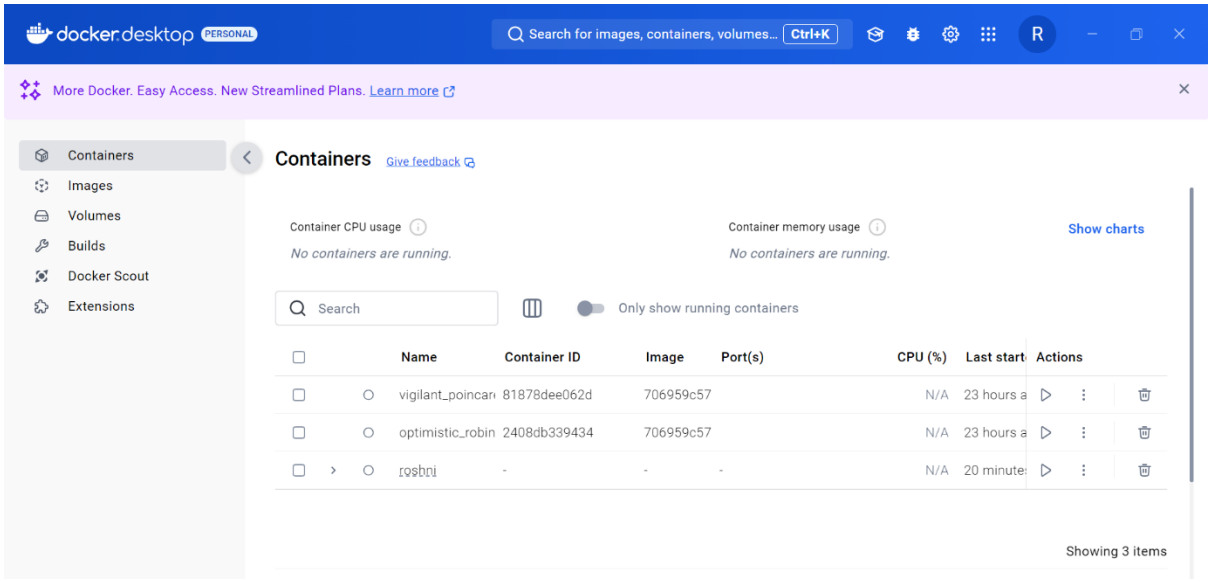
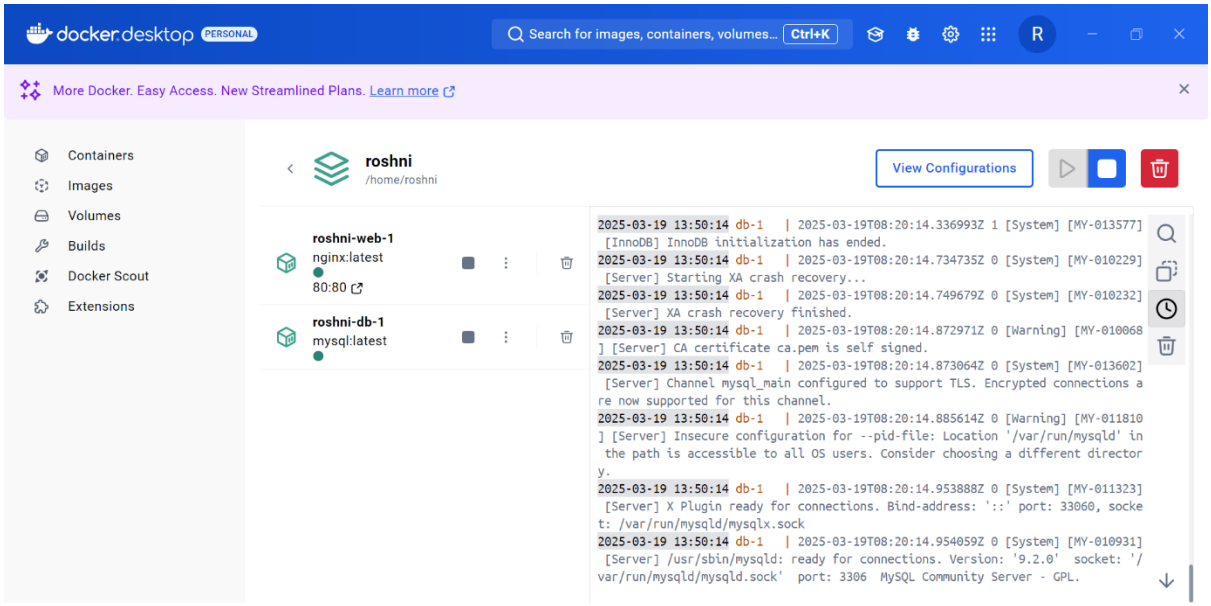
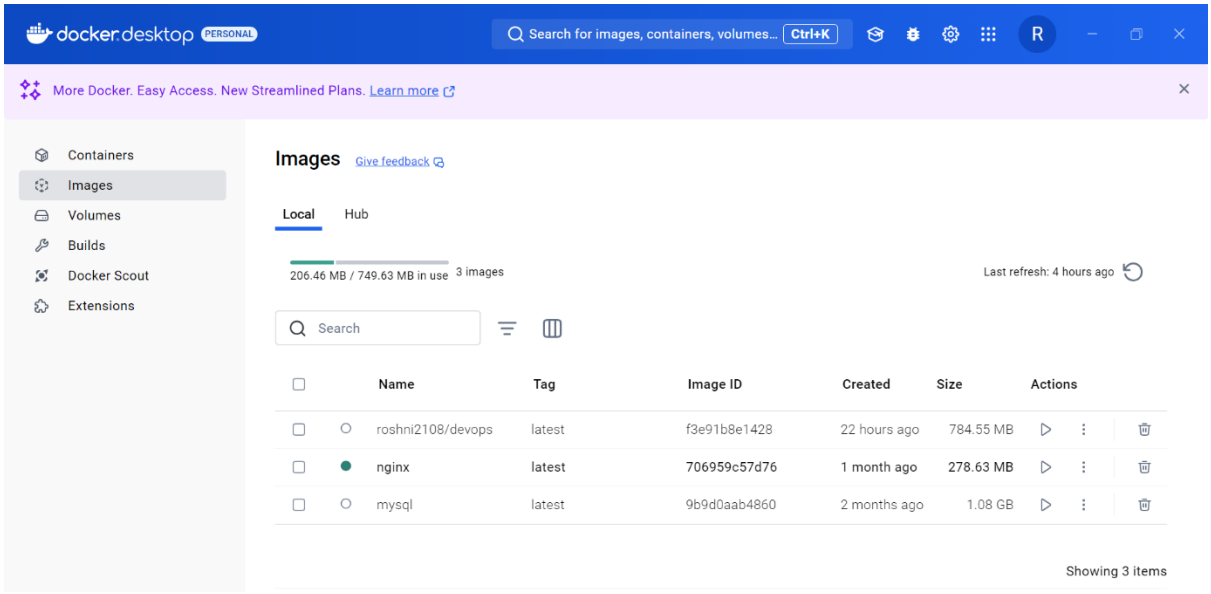
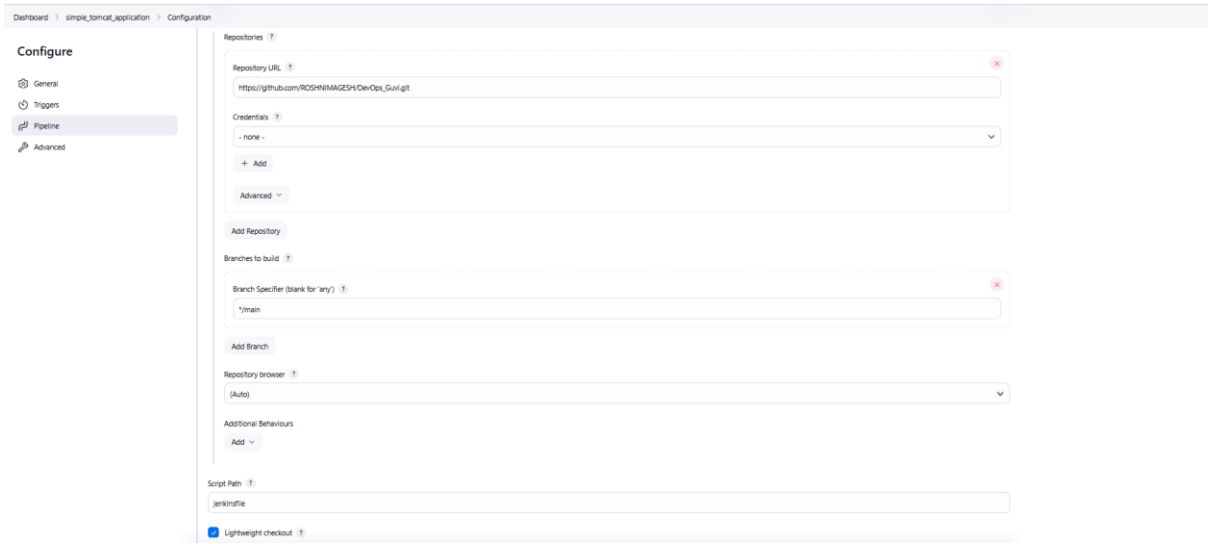
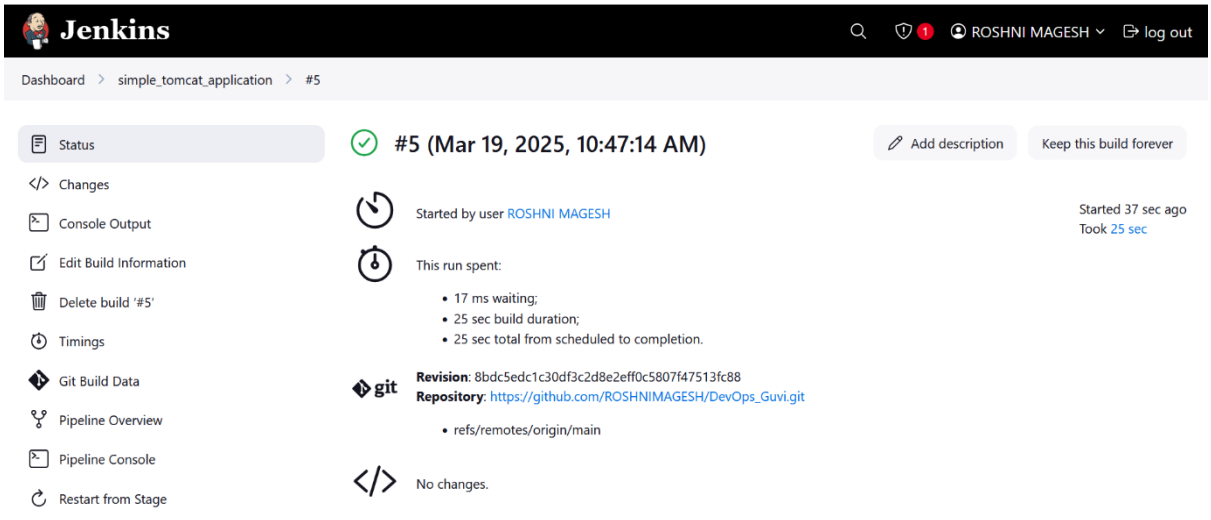
DAY 2

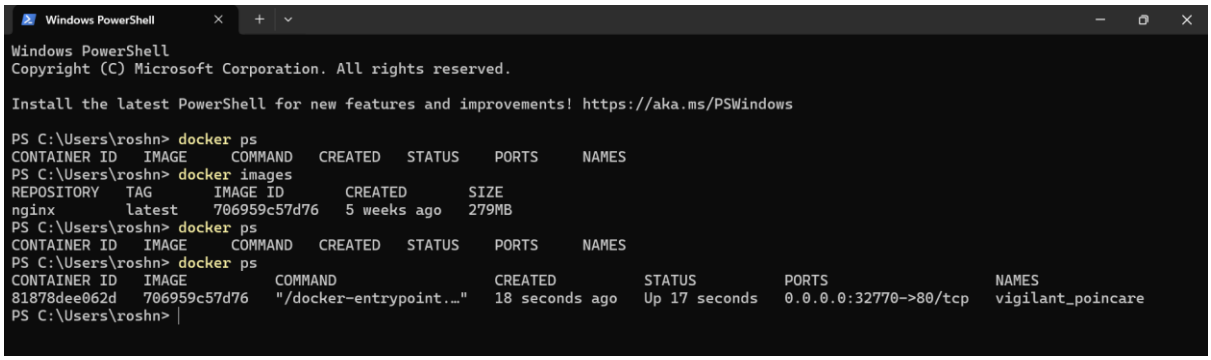

docker desktop PERSONAL
Search for images, containers, volumes... Ctrl+K
More Docker. Easy Access. New Streamlined Plans. Learn more
Containers
Images
Volumes
Builds
Docker Scout
Extensions
Containers
Give feedback
Container CPU usage
No containers are running.
Container memory usage
No containers are running.
Show charts
Search
Only show running containers
Name
Container ID
Image
Port(s)
CPU (%)
Last start
Actions
vigilant_poincar
81878dee062d
706959c57
N/A
23 hours a
optimistic_robin
2408db339434
706959c57
N/A
23 hours a
roshni
N/A
20 minute
Showing 3 items

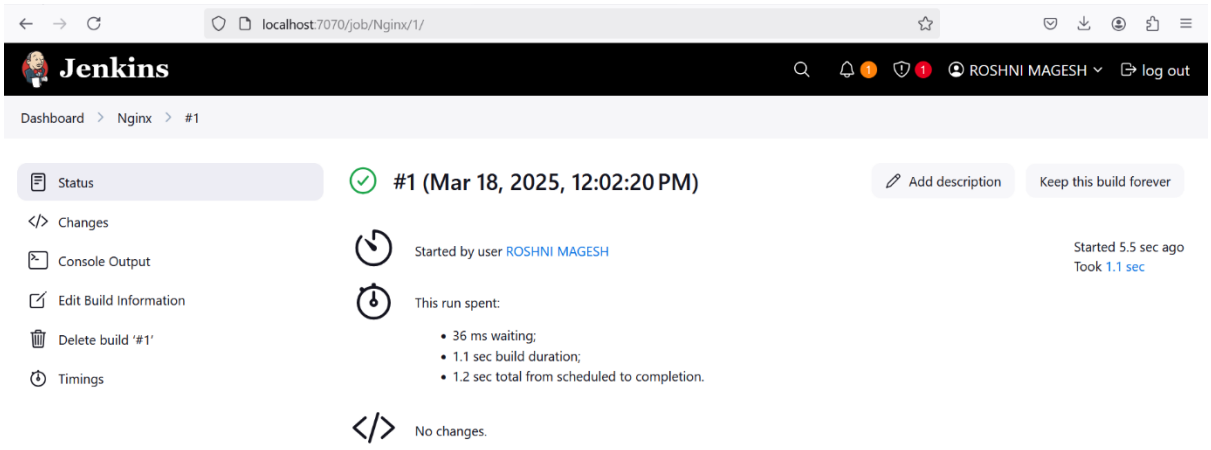

docker desktop PERSONAL
Search for images, containers, volumes... Ctrl+K
More Docker. Easy Access. New Streamlined Plans. Learn more
Containers
Images
Volumes
Builds
Docker Scout
Extensions
roshni
/home/roshni
View Configurations
roshni-web-1
nginx:latest
80:80
roshni-db-1
mysql:latest
2025-03-19 13:50:14 db-1 | 2025-03-19T08:20:14.336993Z 1 [System] [MY-013577] [InnoDB] InnoDB initialization has ended.
2025-03-19 13:50:14 db-1 | 2025-03-19T08:20:14.734735Z 0 [System] [MY-010229] [Server] Starting XA crash recovery...
2025-03-19 13:50:14 db-1 | 2025-03-19T08:20:14.749679Z 0 [System] [MY-010232] [Server] XA crash recovery finished.
2025-03-19 13:50:14 db-1 | 2025-03-19T08:20:14.872971Z 0 [Warning] [MY-010068] [Server] CA certificate ca.pem is self signed.
2025-03-19 13:50:14 db-1 | 2025-03-19T08:20:14.873064Z 0 [System] [MY-013602] [Server] Channel mysql_main configured to support TLS. Encrypted connections are now supported for this channel.
2025-03-19 13:50:14 db-1 | 2025-03-19T08:20:14.885614Z 0 [Warning] [MY-011810] [Server] Insecure configuration for --pid-file: Location '/var/run/mysqld' in the path is accessible to all OS users. Consider choosing a different directory.
2025-03-19 13:50:14 db-1 | 2025-03-19T08:20:14.953888Z 0 [System] [MY-011323] [Server] X Plugin ready for connections. Bind-address: '::' port: 33060, socket: /var/run/mysqld/mysqlx.sock
2025-03-19 13:50:14 db-1 | 2025-03-19T08:20:14.954059Z 0 [System] [MY-010931] [Server] /usr/sbin/mysqld: ready for connections. Version: '9.2.0' socket: '/var/run/mysqld/mysqld.sock' port: 3306 MySQL Community Server - GPL.

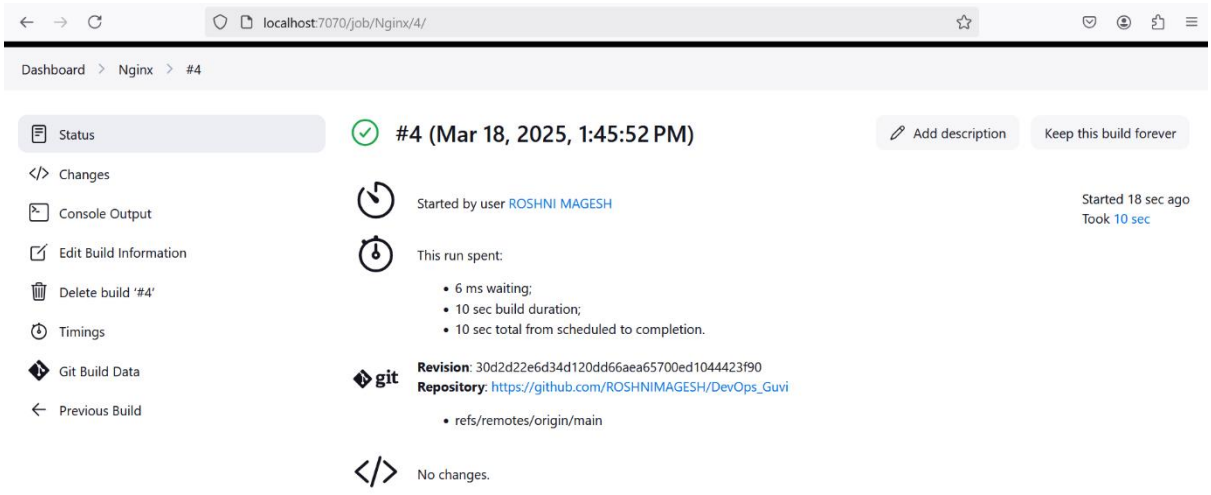

docker desktop PERSONAL
Search for images, containers, volumes... Ctrl+K
More Docker. Easy Access. New Streamlined Plans. Learn more
Containers
Images
Volumes
Builds
Docker Scout
Extensions
Images
Give feedback
Local
Hub
206.46 MB / 749.63 MB in use
3 images
Last refresh: 4 hours ago
Search
Name
Tag
Image ID
Created
Size
Actions
roshni2108/devops
latest
f3e91b8e1428
22 hours ago
784.55 MB
nginx
latest
706959c57d76
1 month ago
278.63 MB
mysql
latest
9b9d0aab4860
2 months ago
1.08 GB
Showing 3 items

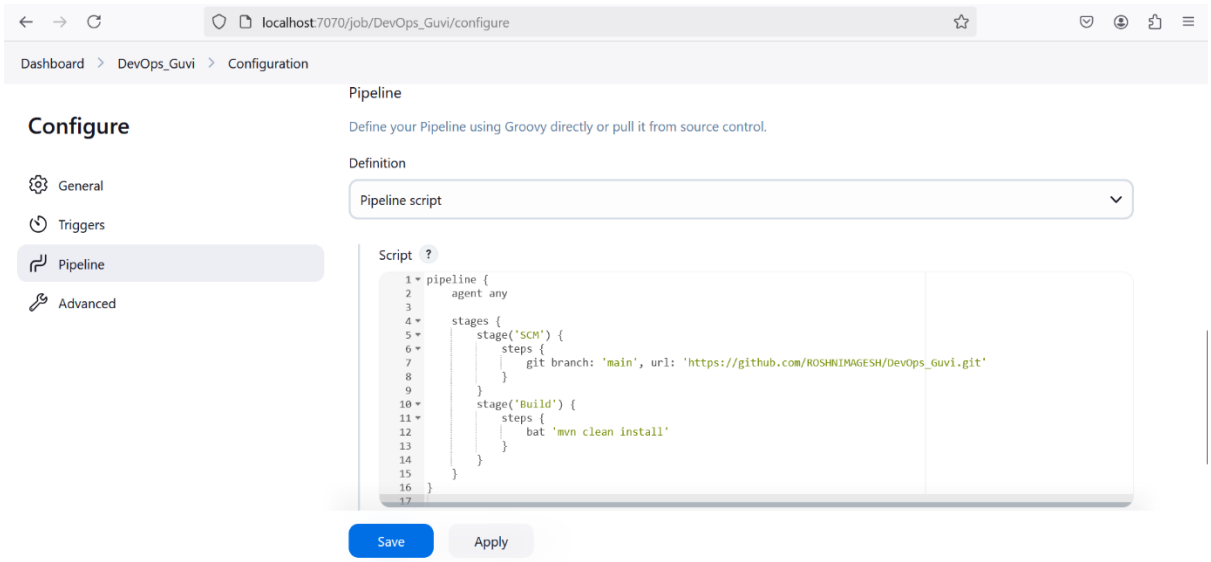

Dashboard
simple_tomcat_application
Configuration
Configure
General
Triggers
Pipeline
Advanced
Repositories
Repository URL
https://github.com/ROSHNIMAGESH/DevOps_Guvi.git
Credentials
- none -
Add
Advanced
Add Repository
Branches to build
Branch Specifier (blank for 'any')
*/main
Add Branch
Repository browser
(Auto)
Additional Behaviours
Add
Script Path
Jenkinsfile
Lightweight checkout

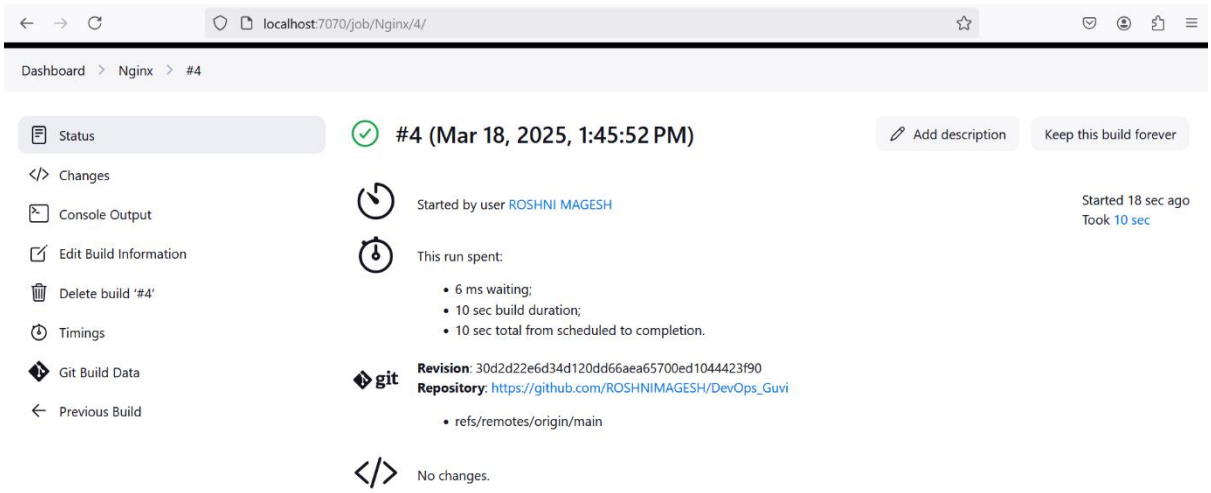

Jenkins
ROSHNI MAGESH
log out
Dashboard
simple_tomcat_application
#5
Status
Changes
Console Output
Edit Build Information
Delete build '#5'
Timings
Git Build Data
Pipeline Overview
Pipeline Console
Restart from Stage
#5 (Mar 19, 2025, 10:47:14 AM)
Add description
Keep this build forever
Started by user ROSHNI MAGESH
Started 37 sec ago
Took 25 sec
This run spent:
17 ms waiting;
25 sec build duration;
25 sec total from scheduled to completion.
Revision: 8bdc5edc1c30df3c2d8e2eff0c5807f47513fc88
Repository: https://github.com/ROSHNIMAGESH/DevOps_Guvi.git
refs/remotes/origin/main
No changes.

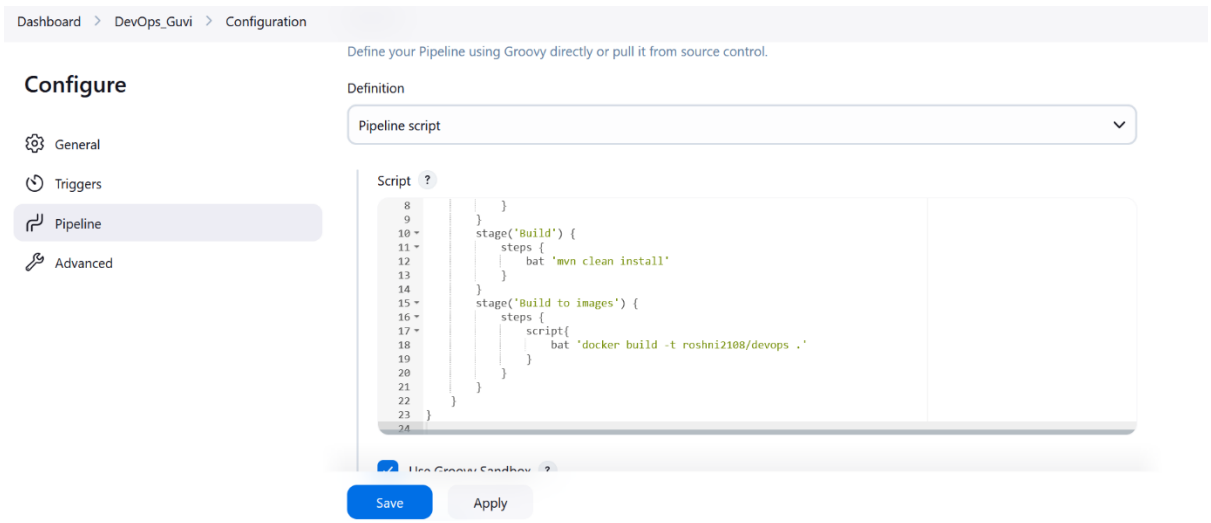

Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows
PS C:\Users\roshn> docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
PS C:\Users\roshn> docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
nginx latest 706959c57d76 5 weeks ago 279MB
PS C:\Users\roshn> docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
PS C:\Users\roshn> docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
81878dee062d 706959c57d76 "/docker-entrypoint.…" 18 seconds ago Up 17 seconds 0.0.0.0:32770->80/tcp vigilant_poincare
PS C:\Users\roshn>

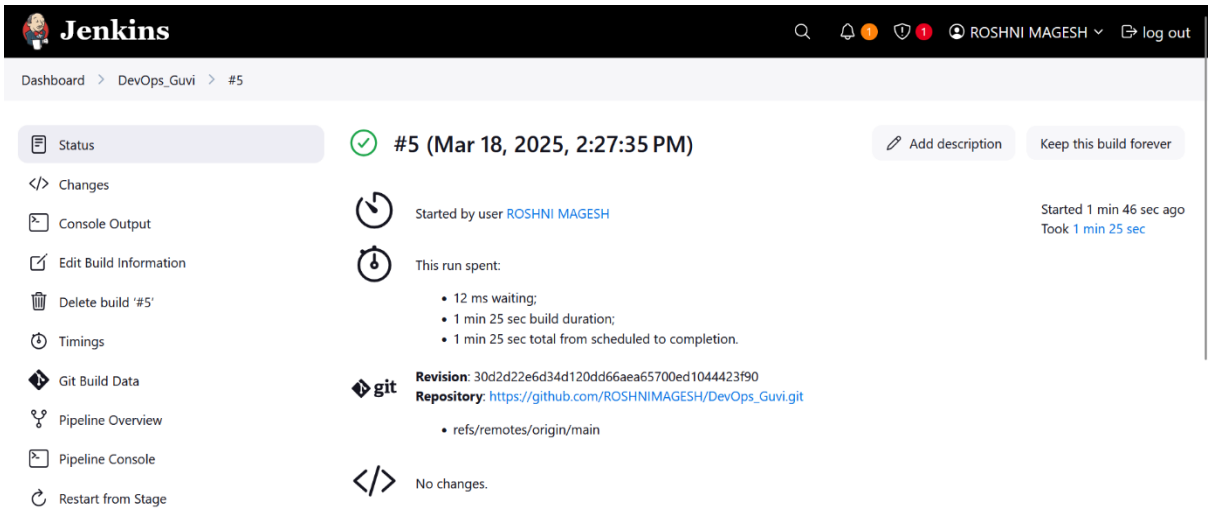

localhost:7070/job/Nginx/1/
Jenkins
ROSHNI MAGESH
log out
Dashboard > Nginx > #1
Status
Changes
Console Output
Edit Build Information
Delete build '#1'
Timings
#1 (Mar 18, 2025, 12:02:20 PM)
Add description
Keep this build forever
Started by user ROSHNI MAGESH
Started 5.5 sec ago
Took 1.1 sec
This run spent:
• 36 ms waiting;
• 1.1 sec build duration;
• 1.2 sec total from scheduled to completion.
No changes.

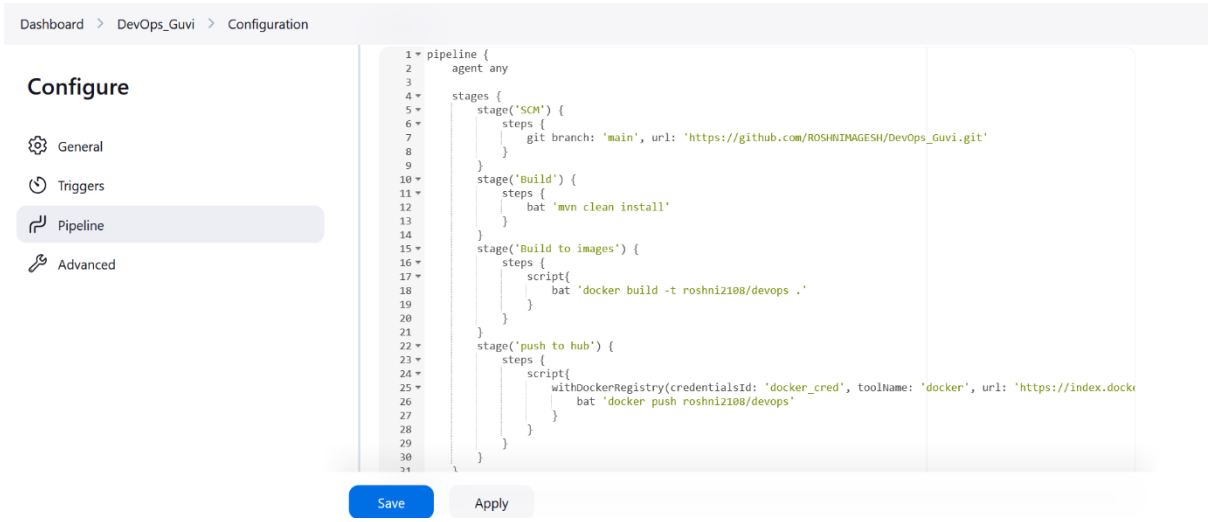

localhost:7070/job/Nginx/4/
Dashboard > Nginx > #4
Status
Changes
Console Output
Edit Build Information
Delete build '#4'
Timings
Git Build Data
Previous Build
#4 (Mar 18, 2025, 1:45:52 PM)
Add description
Keep this build forever
Started by user ROSHNI MAGESH
Started 18 sec ago
Took 10 sec
This run spent:
• 6 ms waiting;
• 10 sec build duration;
• 10 sec total from scheduled to completion.
git
Revision: 30d2d22e6d34d120dd66aea65700ed1044423f90
Repository: https://github.com/ROSHNIMAGESH/DevOps_Guvi
• refs/remotes/origin/main
No changes.

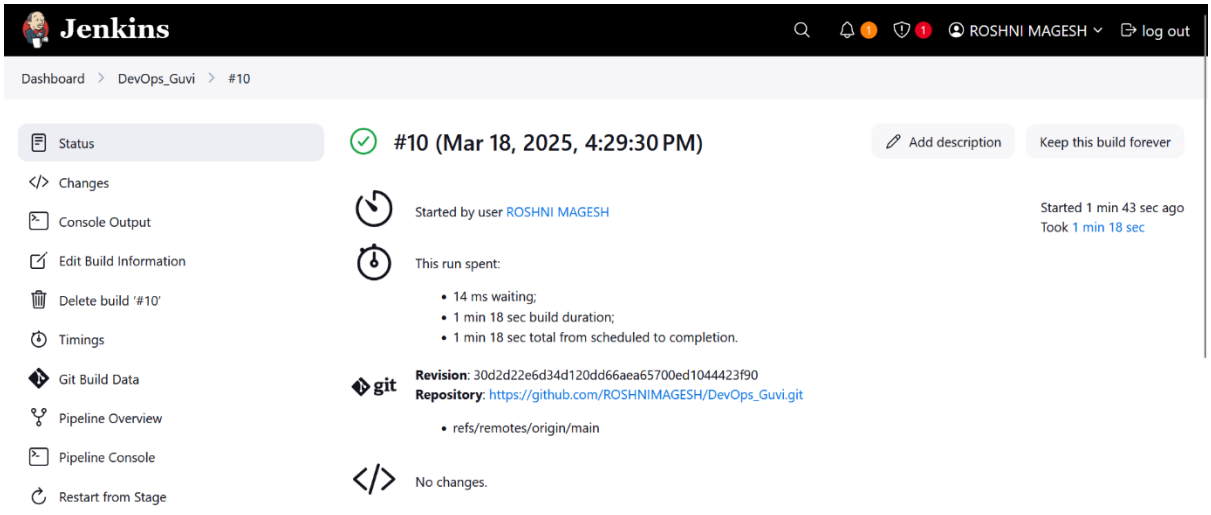

localhost:7070/job/DevOps_Guvi/configure
Dashboard > DevOps_Guvi > Configuration
Configure
General
Triggers
Pipeline
Advanced
Pipeline
Define your Pipeline using Groovy directly or pull it from source control.
Definition
Pipeline script
Script
pipeline {
agent any
stages {
stage('SCM') {
steps {
git branch: 'main', url: 'https://github.com/ROSHNIMAGESH/DevOps_Guvi.git'
}
}
stage('Build') {
steps {
bat 'mvn clean install'
}
}
}
}
Save
Apply

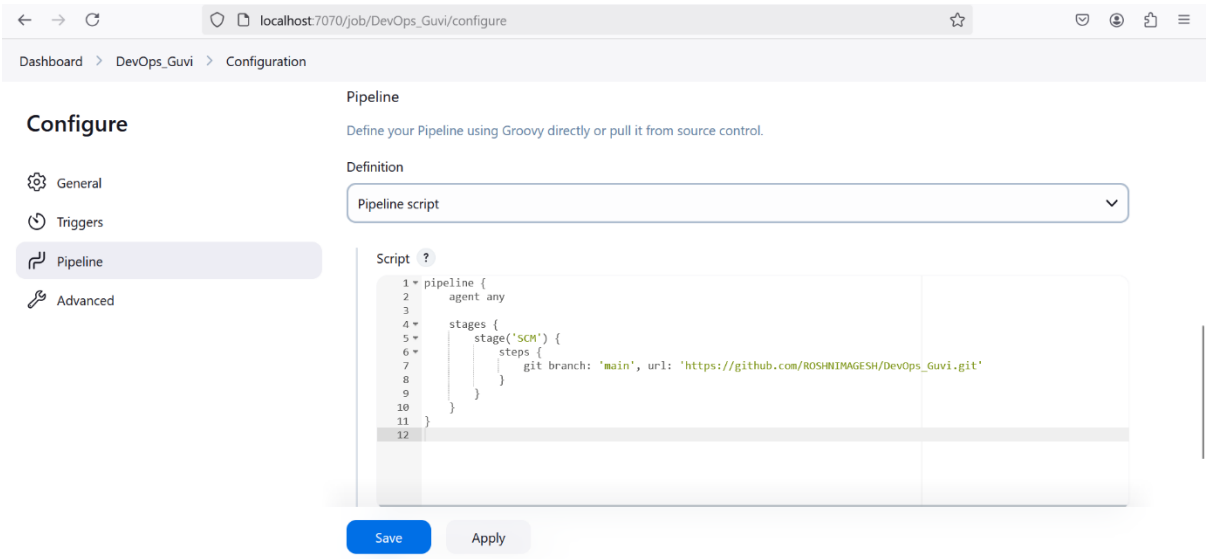

localhost:7070/job/Nginx/4/
Dashboard > Nginx > #4
Status
Changes
Console Output
Edit Build Information
Delete build '#4'
Timings
Git Build Data
Previous Build
#4 (Mar 18, 2025, 1:45:52 PM)
Add description
Keep this build forever
Started by user ROSHNI MAGESH
Started 18 sec ago
Took 10 sec
This run spent:
6 ms waiting;
10 sec build duration;
10 sec total from scheduled to completion.
Revision: 30d2d22e6d34d120dd66aea65700ed1044423f90
Repository: https://github.com/ROSHNIMAGESH/DevOps_Guvi
refs/remotes/origin/main
No changes.

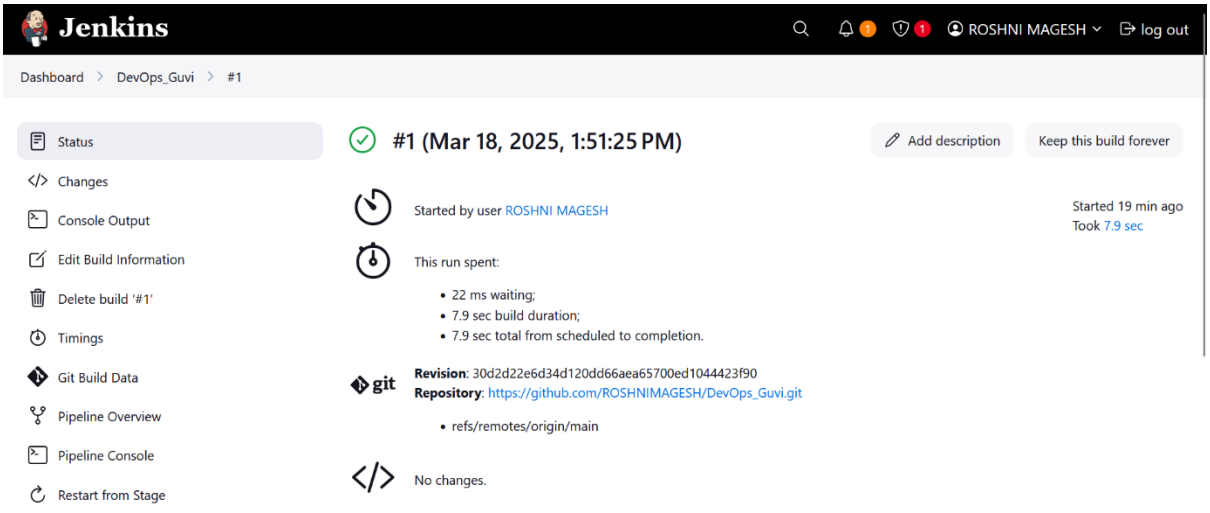

Dashboard > DevOps_Guvi > Configuration
Configure
General
Triggers
Pipeline
Advanced
Define your Pipeline using Groovy directly or pull it from source control.
Definition
Pipeline script
Script
}
}
stage('Build') {
steps {
bat 'mvn clean install'
}
}
stage('Build to images') {
steps {
script{
bat 'docker build -t roshni2108/devops .'
}
}
}
}
}
Save
Apply


Jenkins
ROSHNI MAGESH
log out
Dashboard > DevOps_Guvi > #5
Status
Changes
Console Output
Edit Build Information
Delete build '#5'
Timings
Git Build Data
Pipeline Overview
Pipeline Console
Restart from Stage
#5 (Mar 18, 2025, 2:27:35 PM)
Add description
Keep this build forever
Started by user ROSHNI MAGESH
Started 1 min 46 sec ago
Took 1 min 25 sec
This run spent:
• 12 ms waiting;
• 1 min 25 sec build duration;
• 1 min 25 sec total from scheduled to completion.
Revision: 30d2d22e6d34d120dd66aea65700ed1044423f90
Repository: https://github.com/ROSHNIMAGESH/DevOps_Guvi.git
• refs/remotes/origin/main
No changes.


Dashboard > DevOps_Guvi > Configuration
Configure
General
Triggers
Pipeline
Advanced
pipeline {
agent any
stages {
stage('SCM') {
steps {
git branch: 'main', url: 'https://github.com/ROSHNIMAGESH/DevOps_Guvi.git'
}
}
stage('Build') {
steps {
bat 'mvn clean install'
}
}
stage('Build to images') {
steps {
script{
bat 'docker build -t roshni2108/devops .'
}
}
}
stage('push to hub') {
steps {
script{
withDockerRegistry(credentialsId: 'docker_cred', toolName: 'docker', url: 'https://index.docke
bat 'docker push roshni2108/devops'
}
}
}
}
Save
Apply


Jenkins
ROSHNI MAGESH
log out
Dashboard > DevOps_Guvi > #10
Status
Changes
Console Output
Edit Build Information
Delete build '#10'
Timings
Git Build Data
Pipeline Overview
Pipeline Console
Restart from Stage
#10 (Mar 18, 2025, 4:29:30 PM)
Add description
Keep this build forever
Started by user ROSHNI MAGESH
Started 1 min 43 sec ago
Took 1 min 18 sec
This run spent:
• 14 ms waiting;
• 1 min 18 sec build duration;
• 1 min 18 sec total from scheduled to completion.
Revision: 30d2d22e6d34d120dd66aea65700ed1044423f90
Repository: https://github.com/ROSHNIMAGESH/DevOps_Guvi.git
• refs/remotes/origin/main
No changes.





sudo apt-get update

sudo apt-get install Jenkins

sudo apt install docker.io -y

sudo usermod -aG Jenkins docker

BASIC DOCKER COMMANDS

Display docker images available in our machine

$ docker images

Download docker image.

$ docker pull <image-name / image-id>

Run docker image.

$ docker run <image-name / image-id>

Delete docker image.

$ docker rmi <image-name / image-id>

Display all running docker containers.

$ docker ps

Display all running and stopped containers.

$ docker ps -a

Delete docker container.

$ docker rm <container-id>

Delete docker image forcefully.

$ docker rmi -f <image-id>

Stop Docker container.

$ docker stop <container-id>

#DOCKER COMMANDS FOR UBUNTU

$ sudo apt update -y

$ sudo apt install docker -y

$ sudo service docker start (or) sudo systemctl start docker

$ sudo service docker enable (or) sudo systemctl enable docker

PIPELINE

```
pipeline {
   agent any
   stages {
      stage('scm') {
         steps {
      git branch: 'main', url: 'https://github.com/anto096/simple-web-app.git'
         }
      }
      stage('build') {
         steps {
            bat "mvn clean"
            bat "mvn install"
}
}
stage('build to images') {
         steps {
            script{
               bat 'docker build -t demohub/simplewebapp .'
            }
   }
}
stage('push to hub') {
         steps {
            script{
              withDockerRegistry(credentialsId: 'Docker_cred', url: 'https://index.docker.io/v1/') {
               bat 'docker push demohub/simplewebapp'
            }
```

```
        }
        }
    }
    }
    }
```