

Getting Started

Unlock Jenkins

To ensure Jenkins is securely set up by the administrator, a password has been written to the log ([not sure where to find it?](#)) and this file on the server:

```
/var/lib/jenkins/secrets/initialAdminPassword
```

Please copy the password from either location and paste it below.

Administrator password

Continue

Getting Started

Instance Configuration

Jenkins URL:

The Jenkins URL is used to provide the root URL for absolute links to various Jenkins resources. That means this value is required for proper operation of many Jenkins features including email notifications, PR status updates, and the BUILD_URL environment variable provided to build steps.

The proposed default value shown is **not saved yet** and is generated from the current request, if possible. The best practice is to set this value to the URL that users are expected to use. This will avoid confusion when sharing or viewing links.

Jenkins 2.493

Not now

Save and Finish



Getting Started

Jenkins is ready!

Your Jenkins setup is complete.

Start using Jenkins

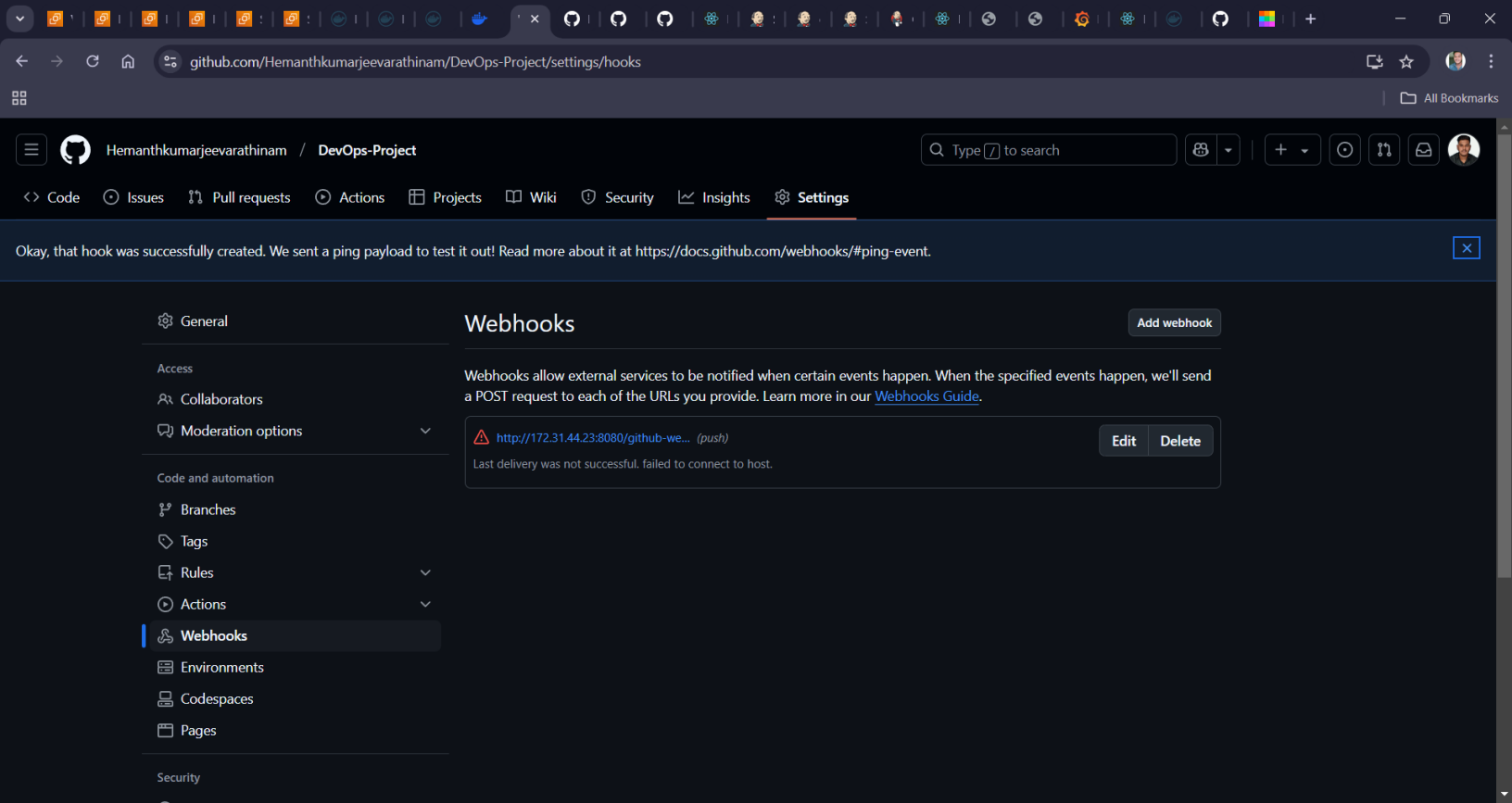
Jenkins 2.493



ENG
IN



09:31 PM
16-01-2025



GitHub

GitHub Servers ?

≡

GitHub Server ?

×

Name ?

MyGitHub

API URL ?

https://api.github.com

Credentials ?

GitHubToken1

▼

+ Add


Credentials verified for user Hemanthkumarjeevarathinam, rate limit: 4999

Test connection

Save

Apply

+ New Item

 Add description

 Build History

Project Relationship

 Check File Fingerprint Manage Jenkins

My Views

Build Queue

No builds in the queue.

Build Executor Status

0/2 ▼

Icon: S M **L**

000

Configure

- General
- Triggers
- Pipeline**
- Advanced

Define your pipeline using Groovy directly or pull it from source control.

Definition

Pipeline script

Script ?

```
1 pipeline {
2   agent any
3   environment {
4     DOCKER_CREDENTIALS = 'docker-hub-credentials'
5   }
6   stages {
7     stage('Build') {
8       steps {
9         sh './build.sh'
10      }
11    }
12    stage('Push to Dev') {
13      steps {
14        script {
15          withCredentials([usernamePassword(credentialsId: DOCKER_CREDENTIALS, usernameVariable: 'DOCKER_USER', passwordVariable:
16            sh 'echo $DOCKER_PASSWORD | docker login -u $DOCKER_USER --password-stdin'
17            sh 'docker push hemanth565/dev:latest'
18          ]){
19          }
20        }
21      }
22    }
23  }
24 }
```

☒ Use Groovy Sandbox ?

Changes

 Console Output

 Edit Build Information

 Delete build #6






↺ Restart from Stage

Replay

Pipeline Steps

☐ Workspaces

Started by user [Hemanth Kumar J](#) Started 5 hr 31 min ago
Took 3 sec

⌚ This run spent:

✓✓ No changes.

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107.23.38.35:8080/job/dev/6/console

☆

Hemanth Kumar J

All Bookmarks

Jenkins

🔍

🛡️ 1

Hemanth Kumar J

log out

Dashboard > dev > #6

Status

Changes

Console Output

Edit Build Information

Delete build '#6'

Timings

Pipeline Overview

Pipeline Console

Restart from Stage

Replay

Pipeline Steps

Workspaces

Previous Build

✓

Console Output

Download

Copy

View as plain text

Started by user [Hemanth Kumar J](#)

[Pipeline] Start of Pipeline

[Pipeline] node

Running on [Jenkins](#) in /var/lib/jenkins/workspace/project

[Pipeline] {

[Pipeline] withEnv

[Pipeline] {

[Pipeline] stage

[Pipeline] { (Build)

[Pipeline] sh

+ ./build.sh

#0 building with "default" instance using docker driver

#1 [internal] load build definition from Dockerfile

#1 transferring dockerfile: 471B done

#1 DONE 0.0s

#2 [internal] load metadata for docker.io/library/nginx:alpine

#2 DONE 0.1s

#3 [internal] load .dockerignore

```
fd5f65a144ef: Waiting
a8903c9578e9: Waiting
ce5a8cde9eee: Waiting
5a760029e979: Layer already exists
abe92526cbd4: Layer already exists
23625999797d: Layer already exists
5f70bf18a086: Layer already exists
3aaeeb4400cc: Layer already exists
598e577f3a23: Layer already exists
9aa22afcf27f: Layer already exists
fd5f65a144ef: Layer already exists
a8903c9578e9: Layer already exists
59a5cb944b91: Layer already exists
ce5a8cde9eee: Layer already exists
latest: digest: sha256:cd2d0a620f77e918c2d9257de2da7d991af3a3812d2dc1b44c95d2b022fe869e size: 2612
[Pipeline] }
[Pipeline] // withCredentials
[Pipeline] }
[Pipeline] // script
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```

- Status
- </> Changes
- ▶ Build Now
- ⚙️ Configure
- 🗑️ Delete Pipeline
- 📁 Stages
- ✎️ Rename
- ❓ Pipeline Syntax
- 📄 GitHub Hook Log

✓ prod

✎️ Add description

Permalinks

- [Last build \(#4\), 5 hr 12 min ago](#)
- [Last stable build \(#4\), 5 hr 12 min ago](#)
- [Last successful build \(#4\), 5 hr 12 min ago](#)
- [Last failed build \(#3\), 5 hr 15 min ago](#)
- [Last unsuccessful build \(#3\), 5 hr 15 min ago](#)
- [Last completed build \(#4\), 5 hr 12 min ago](#)

Builds ...

Filter /

Today

✓ #4	5:11 PM	▼
✗ #3	5:08 PM	▼
✗ #2	5:05 PM	▼

[← Previous Build](#)

Keep this build forever

Started 5 hr 12 min ago
Took 3 sec

- 21 ms waiting;
- 3 sec build duration;
- 3 sec total from scheduled to completion.

Repository: <https://github.com/Hemanthkumarjeevarathinam/DevOps-Project.git>

- refs/remotes/origin/dev

No changes.

Configure

 Triggers

 Advanced

```

1 pipeline {
2     agent any
3     environment {
4         DOCKER_CREDENTIALS = 'docker-hub-credentials' // Replace with your credentials ID
5     }
6     stages {
7         stage('Checkout') {
8             steps {
9                 git branch: 'dev', url: 'https://github.com/Hemanthkumarjeevarathinam/DevOps-Project.git' // Change 'dev' to your branch r
10            }
11        }
12        stage('Build') {
13            steps {
14                sh './build.sh' // Ensure build.sh is in your repository
15            }
16        }
17        stage('Push to Prod') {
18            steps {
19                script {
20                    withCredentials([usernamePassword(credentialsId: DOCKER_CREDENTIALS, usernameVariable: 'DOCKER_USER', passwordVariable:
21                        sh 'echo $DOCKER_PASSWORD | docker login -u $DOCKER_USER --password-stdin'
22                        sh 'docker push hemanth565/prod:latest' // Push to the prod repo
23                    ]) {
24                    }
25                }
26            }
27        }
28    }
29 }

```

☒ Use Groovy Sandbox ?

Save

Apply

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←→↺🏠⚠️ Not secure 107.23.38.35:8080/job/prod/4/console ☆👤⋮

📖 All Bookmarks

 **Jenkins**

🔍🛡️ 1 👤 Hemanth Kumar J ↗️ log out

Dashboard > prod > #4

📄 Status

</> Changes

📄 Console Output

📝 Edit Build Information

🗑️ Delete build '#4'

🕒 Timings

📁 Git Build Data

🔗 Pipeline Overview

📄 Pipeline Console

🔄 Restart from Stage

🔄 Replay

☰ Pipeline Steps

📁 Workspaces

← Previous Build

✅ Console Output

📄 Download📄 CopyView as plain text

Started by user [Hemanth Kumar J](#)

[Pipeline] Start of Pipeline

[Pipeline] node

Running on [Jenkins](#) in /var/lib/jenkins/workspace/prod

[Pipeline] {

[Pipeline] withEnv

[Pipeline] {

[Pipeline] stage

[Pipeline] { (Checkout)

[Pipeline] git

The recommended git tool is: NONE

No credentials specified

> git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/prod/.git # timeout=10

Fetching changes from the remote Git repository

> git config remote.origin.url <https://github.com/Hemanthkumarjeevarathinam/DevOps-Project.git> # timeout=10

Fetching upstream changes from <https://github.com/Hemanthkumarjeevarathinam/DevOps-Project.git>

> git --version # timeout=10

> git --version # 'git version 2.40.1'

> git fetch --tags --force --progress -- <https://github.com/Hemanthkumarjeevarathinam/DevOps-Project.git> +refs/heads/*:refs/remotes/origin/*

timeout=10

> git rev-parse refs/remotes/origin/dev^{commit} # timeout=10

```
ce5a8cde9eee: Waiting
9aa22afcf27f: Waiting
59a5cb944b91: Waiting
23625999797d: Layer already exists
5a760029e979: Layer already exists
5f70bf18a086: Layer already exists
3aaeeb4400cc: Layer already exists
abe92526cbd4: Layer already exists
59a5cb944b91: Layer already exists
9aa22afcf27f: Layer already exists
fd5f65a144ef: Layer already exists
a8903c9578e9: Layer already exists
598e577f3a23: Layer already exists
ce5a8cde9eee: Layer already exists
latest: digest: sha256:cd2d0a620f77e918c2d9257de2da7d991af3a3812d2dc1b44c95d2b022fe869e size: 2612
[Pipeline] }
[Pipeline] // withCredentials
[Pipeline] }
[Pipeline] // script
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```


Instances (1/2) [Info](#)

Last updated less than a minute ago

Connect

Instance state ▾

Actions ▾

Launch instances ▾

All states ▾

< 1 >

<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IP
<input checked="" type="checkbox"/>	deployment	i-0abc56eb5007b90c4	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1c	ec2-34-2
<input type="checkbox"/>	DevOps project	i-0c2adb0daaf48705e	Running	t2.large	2/2 checks passed	View alarms +	us-east-1d	ec2-107-

i-0abc56eb5007b90c4 (deployment)

Details

Status and alarms

Monitoring

Security

Networking

Storage

Tags

▼ Instance summary [Info](#)

Instance ID

i-0abc56eb5007b90c4

IPv6 address

—

Hostname type

—

Public IPv4 address

34.229.220.196 | [open address](#)

Instance state

Running

Private IP DNS name (IPv4 only)

—

Private IPv4 addresses

172.31.30.175

Public IPv4 DNS

ec2-34-229-220-196.compute-1.amazonaws.com | [open address](#)

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#SecurityGroup:group-id=sg-0d4c707666bf40b19

aws

Search

[Alt+S]

United States (N. Virginia)

Hemanth Kumar J

EC2 > Security Groups > sg-0d4c707666bf40b19 - launch-wizard-4

Dashboard

EC2 Global View

Events

Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

Images

AMIs

AMI Catalog

Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

Inbound security group rules successfully modified on security group (sg-0d4c707666bf40b19 | launch-wizard-4)

Details

sg-0d4c707666bf40b19 - launch-wizard-4

Actions

Details

Security group name launch-wizard-4	Security group ID sg-0d4c707666bf40b19	Description launch-wizard-4 created 2025-01-16T17:48:58.254Z	VPC ID vpc-0ffede03c1d11dc2e
Owner 891377097179	Inbound rules count 8 Permission entries	Outbound rules count 1 Permission entry	

Inbound rules

Outbound rules

Sharing - new

VPC associations - new

Tags

Inbound rules (8)

Manage tags

Edit inbound rules

Search

< 1 >

Security group rule ID	IP version	Type	Protocol	Port range	Source
------------------------	------------	------	----------	------------	--------

CloudShell

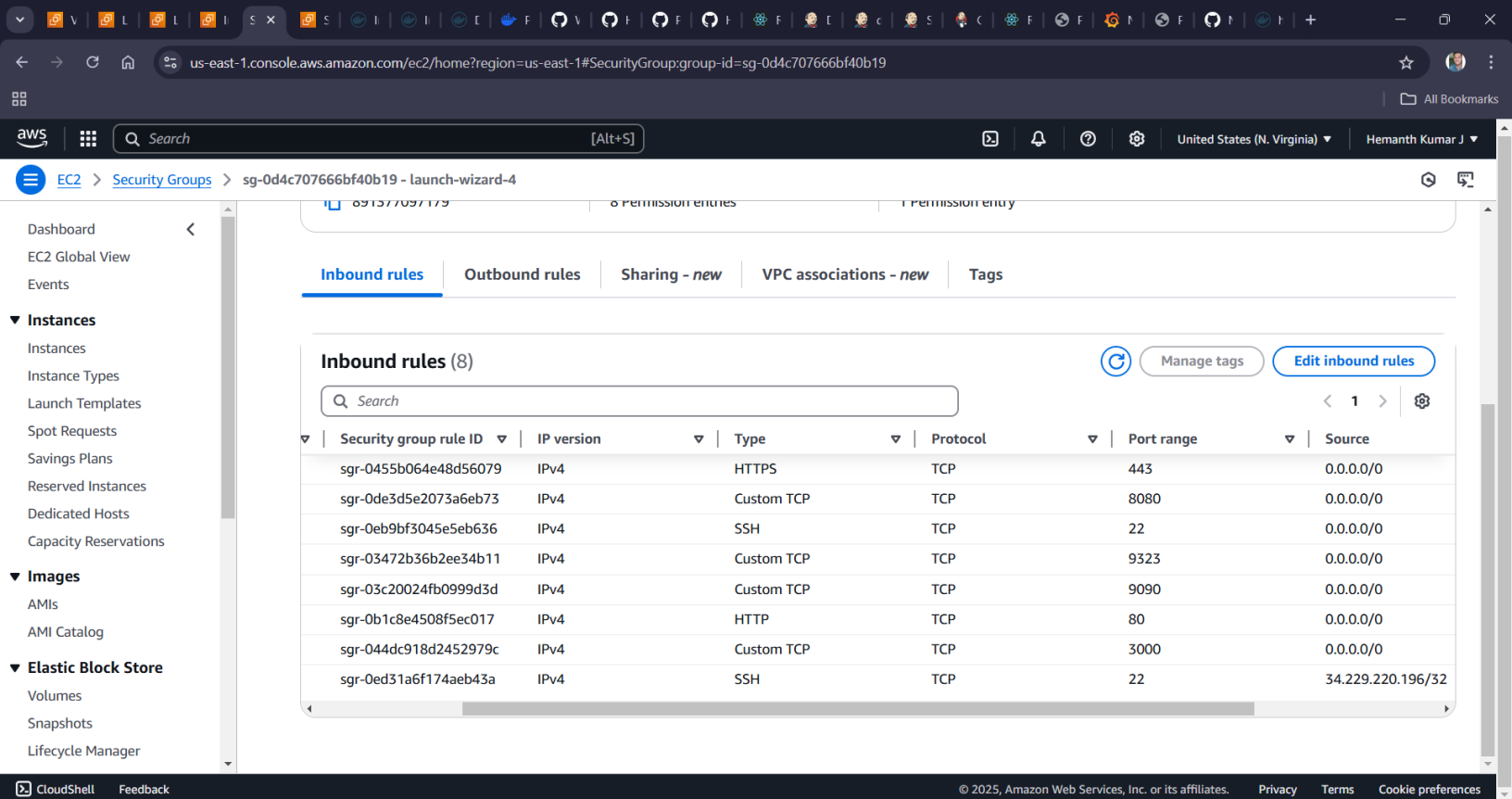
Feedback

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hub.docker.com/repository/docker/hemanth565/dev/general

All Bookmarks

hemanth565 / [Repositories](#) / [dev](#) / [General](#)

Using 1 of 1 private repositories.

General

Tags

Builds

Collaborators

Webhooks

Settings

hemanth565/dev

Last pushed about 6 hours ago

task

Add a category

INCOMPLETE

Docker commands

To push a new tag to this repository:

docker push hemanth565/dev:tagname

Public view

Tags

This repository contains 1 tag(s).

Tag	OS	Type	Pulled	Pushed
latest		Image	4 hours ago	6 hours ago

See all

Automated builds

Manually pushing images to Docker Hub? Connect your account to GitHub or Bitbucket to automatically build and tag new images whenever your code is updated, so you can focus your time on creating.

Available with Pro, Team and Business subscriptions. [Read more about automated builds](#)

Upgrade

https://hub.docker.com/repository/docker/hemanth565/dev/tags/latest/sha256-cd2d0a620f77e918c2d9257de2da7d991af3a3812d2dc1b44c95d2b022fe869e



hemanth565/dev:latest

[Delete Tag](#)

MANIFEST DIGEST [sha256:cd2d0a620f77e918c2d9257de2da7d991af3a3812d2dc1b44c95d2b022fe869e](#)

OS/ARCH

linux/amd64

COMPRESSED SIZE ⓘ

20.26 MB

LAST PUSHED

6 hours ago by [hemanth565](#)

TYPE

Image

MANIFEST DIGEST

[sha256:cd2d0a62...](#)

Image Layers

Vulnerabilities

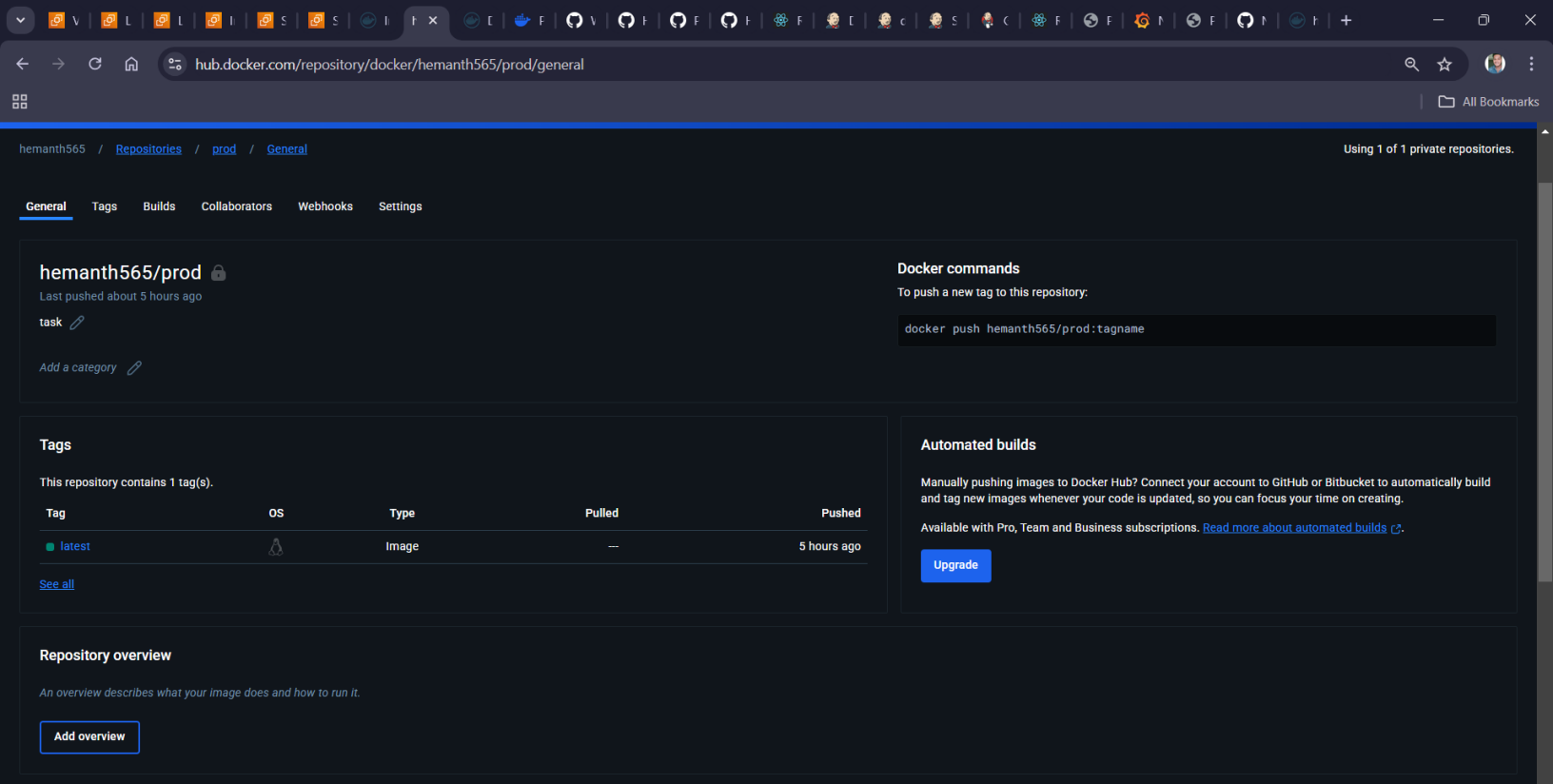
Image Layers ⓘ

1 ADD alpine-minirootfs-3.20.5-x86_64.tar.gz / # buildkit	3.46 MB
2 CMD ["/bin/sh"]	0 B
3 LABEL maintainer=NGINX Docker Maintainers <docker-maint@nginx.com>	0 B
4 ENV NGINX_VERSION=1.27.3	0 B
5 ENV PKG_RELEASE=1	0 B
6 ENV DYNPKG_RELEASE=1	0 B
7 RUN /bin/sh -c set -x	1.7 MB

Command

```
ADD alpine-minirootfs-3.20.5-x86_64.tar.gz / # buildkit
```


1	RUN /bin/sh -c set -x	1.7 MB
8	COPY docker-entrypoint.sh / # buildkit	628 B
9	COPY 10-listen-on-ipv6-by-default.sh /docker-entrypoint.d # buildkit	956 B
10	COPY 15-local-resolvers.envsh /docker-entrypoint.d # buildkit	405 B
11	COPY 20-envsubst-on-templates.sh /docker-entrypoint.d # buildkit	1.18 KB
12	COPY 30-tune-worker-processes.sh /docker-entrypoint.d # buildkit	1.37 KB
13	ENTRYPOINT ["/docker-entrypoint.sh"]	0 B
14	EXPOSE map[80/tcp:{}]	0 B
15	STOPSIGNAL SIGQUIT	0 B
16	CMD ["nginx" "-g" "daemon off;"]	0 B
17	ENV NJS_VERSION=0.8.7	0 B
18	ENV NJS_RELEASE=1	0 B
19	RUN /bin/sh -c set -x	14.4 MB
20	WORKDIR /usr/share/nginx/html	32 B
21	RUN /bin/sh -c rm -rf	234 B
22	COPY build/ . # buildkit	719.71 KB
23	EXPOSE map[80/tcp:{}]	0 B
24	CMD ["nginx" "-q" "daemon off;"]	0 B



hemanth565/prod

Last pushed about 5 hours ago

task 

Add a category 



Docker commands

To push a new tag to this repository:

```
docker push hemanth565/prod:tagname
```

Tags


This repository contains 1 tag(s).

Tag	OS	Type	Pulled	Pushed
 latest		Image	—	5 hours ago

[See all](#)

Automated builds

Manually pushing images to Docker Hub? Connect your account to GitHub or Bitbucket to automatically build and tag new images whenever your code is updated, so you can focus your time on creating.

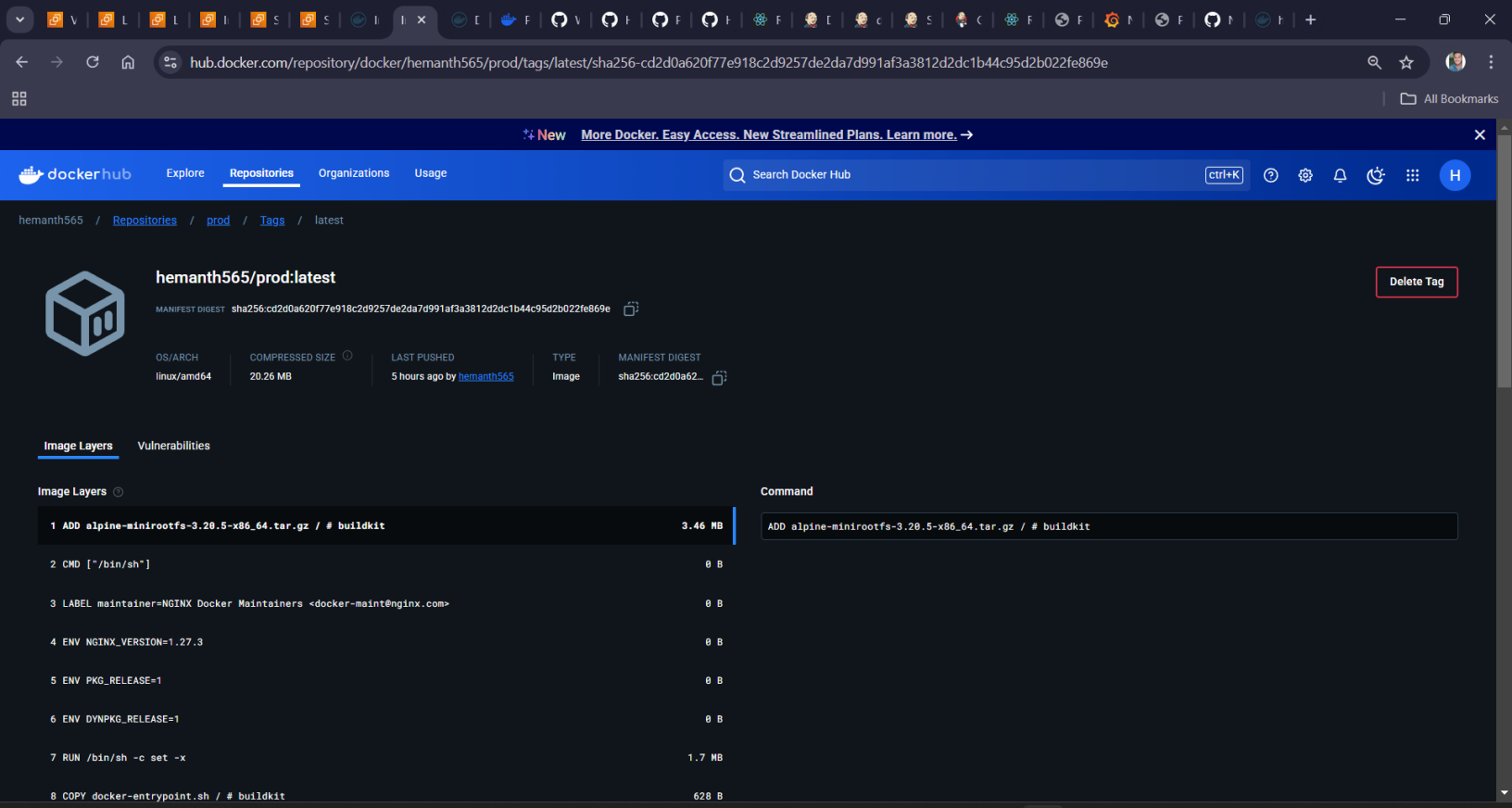
Available with Pro, Team and Business subscriptions. [Read more about automated builds](#) .

Upgrade

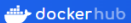
Repository overview

An overview describes what your image does and how to run it.

Add overview



New More Docker. Easy Access. New Streamlined Plans. Learn more. →



Explore

Repositories

Organizations

Usage



Search Docker Hub

ctrl+K



H

hemanth565 / Repositories / prod / Tags / latest



hemanth565/prod:latest

Delete Tag

MANIFEST DIGEST sha256:cd2d0a620f77e918c2d9257de2da7d991af3a3812d2dc1b44c95d2b022fe869e

OS/ARCH

COMPRESSED SIZE ⓘ

LAST PUSHED

TYPE

MANIFEST DIGEST

linux/amd64

20.26 MB

5 hours ago by hemanth565

Image

sha256:cd2d0a62...

Image Layers

Vulnerabilities

Image Layers ⓘ

Command

1 ADD alpine-minirootfs-3.20.5-x86_64.tar.gz / # buildkit

3.46 MB

2 CMD ["/bin/sh"]

0 B

3 LABEL maintainer=NGINX Docker Maintainers <docker-maint@nginx.com>

0 B

4 ENV NGINX_VERSION=1.27.3

0 B

5 ENV PKG_RELEASE=1

0 B

6 ENV DYNPKG_RELEASE=1

0 B

7 RUN /bin/sh -c set -x

1.7 MB

8 COPY docker-entrypoint.sh / # buildkit

628 B

ADD alpine-minirootfs-3.20.5-x86_64.tar.gz / # buildkit

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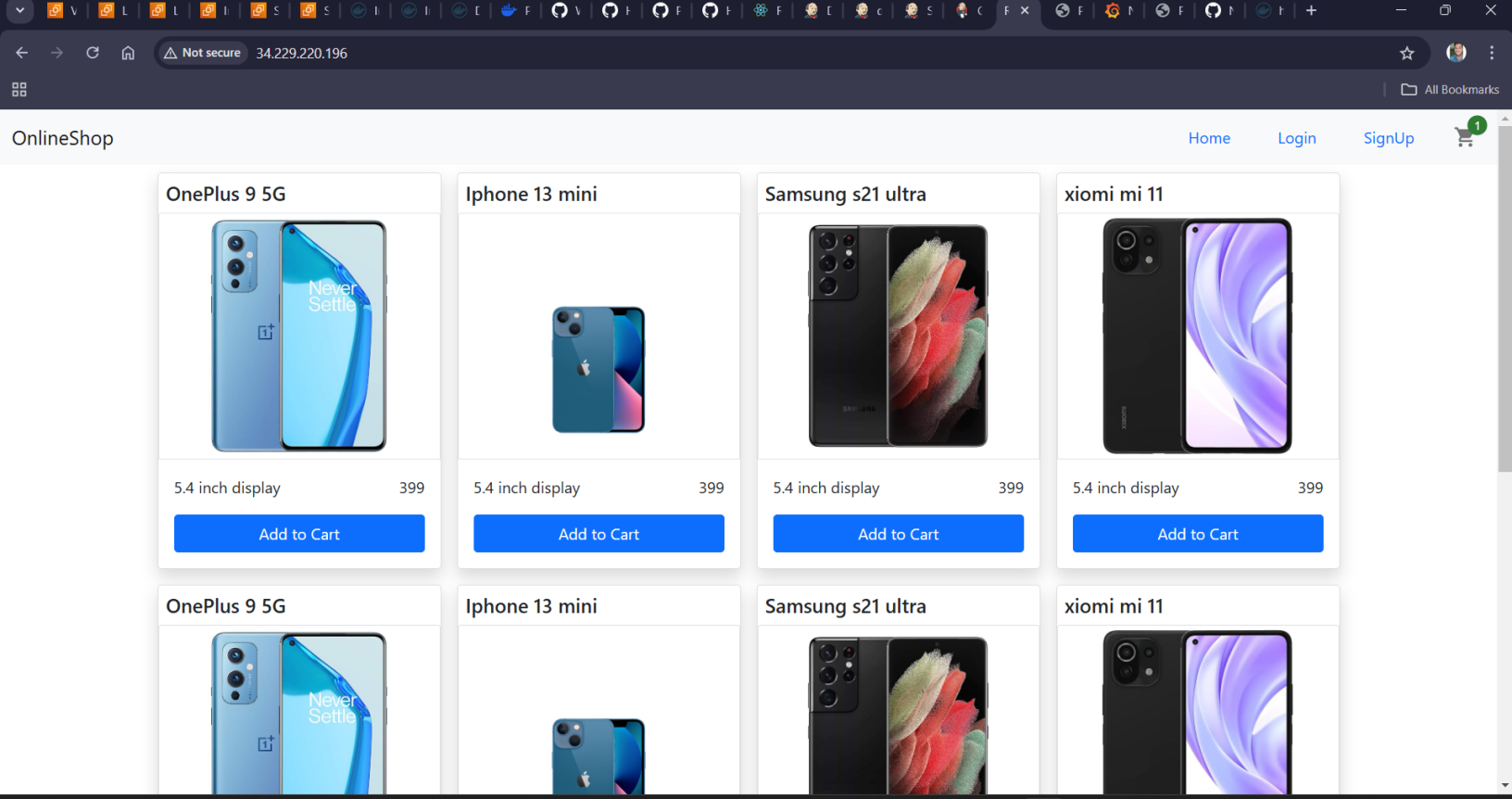
F

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hub.docker.com/repository/docker/hemanth565/prod/tags/latest/sha256-cd2d0a620f77e918c2d9257de2da7d991af3a3812d2dc1b44c95d2b022fe869e

8 COPY docker-entrypoint.sh / # buildkit	628 B
9 COPY 10-listen-on-ipv6-by-default.sh /docker-entrypoint.d # buildkit	956 B
10 COPY 15-local-resolvers.envsh /docker-entrypoint.d # buildkit	405 B
11 COPY 20-envsubst-on-templates.sh /docker-entrypoint.d # buildkit	1.18 KB
12 COPY 30-tune-worker-processes.sh /docker-entrypoint.d # buildkit	1.37 KB
13 ENTRYPOINT ["/docker-entrypoint.sh"]	0 B
14 EXPOSE map[80/tcp:{}]	0 B
15 STOPSIGNAL SIGQUIT	0 B
16 CMD ["nginx" "-g" "daemon off;"]	0 B
17 ENV NJS_VERSION=0.8.7	0 B
18 ENV NJS_RELEASE=1	0 B
19 RUN /bin/sh -c set -x	14.4 MB
20 WORKDIR /usr/share/nginx/html	32 B
21 RUN /bin/sh -c rm -rf	234 B
22 COPY build/. # buildkit	719.71 KB
23 EXPOSE map[80/tcp:{}]	0 B
24 CMD ["nginx" "-g" "daemon off;"]	0 B



OnePlus 9 5G



5.4 inch display

399

Add to Cart

Iphone 13 mini



5.4 inch display

399

Add to Cart

Samsung s21 ultra



5.4 inch display

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Add to Cart

xiami mi 11



5.4 inch display

399

Add to Cart

OnePlus 9 5G



Iphone 13 mini



Samsung s21 ultra



xiami mi 11



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Not secure34.229.220.196:9090/graph?g0.expr=up&g0.tab=1&g0.stacked=0&g0.show_exemplars=0&g0.range_input=1h

☆👤⋮

All Bookmarks

 Prometheus

AlertsGraphStatus ▾ Help



☐ Use local time

☐ Enable query history

☒ Enable autocomplete

☒ Enable highlighting

☒ Enable linter

Q

up

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🔄

Execute

TableGraph

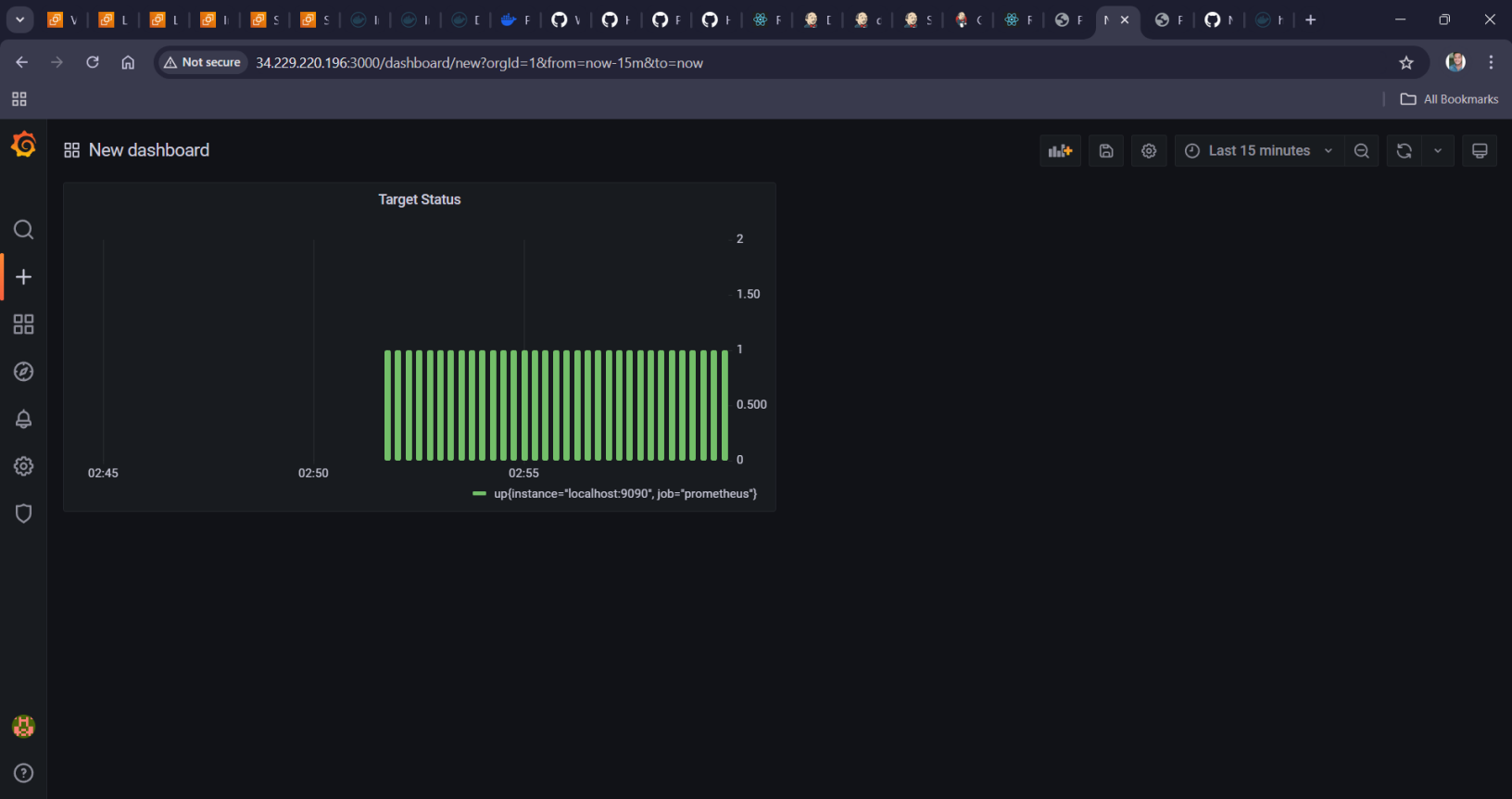
Load time: 224msResolution: 14sResult series: 1

<Evaluation time>

up{instance="localhost:9090", job="prometheus"}1

Remove Panel

Add Panel



github.com/Hemanthkumarjeevarathinam/DevOps-Project/tree/main

All Bookmarks

DevOps-ProjectPublic

Pin

Unwatch1

Fork0

Star0

main3 Branches0 Tags

Go to file

Add file

Code

About

HemanthkumarjeevarathinamPROJECT OVERVIEW

6081613 · 35 minutes ago2 Commits

README.mdPROJECT OVERVIEW

35 minutes ago

README

1. Project Overview

DevOps Application Deployment

This repository contains a sample web application that demonstrates DevOps practices such as containerization with Docker, CI/CD with Jenkins, deployment on AWS, and monitoring with open-source tools. Technologies used:

- Docker and Docker Compose
- Github
- Jenkins for CI/CD
- AWS EC2 for hosting/deploying
- Open-source monitoring tools (e.g., Prometheus and Grafana)

2. Prerequisites

Readme

Activity

0 stars

1 watching

0 forks

Releases

No releases published
[Create a new release](#)

Packages

No packages published
[Publish your first package](#)

Files

dev

Go to file

build

static

_redirects

asset-manifest.json

favicon.ico

index.html

logo192.png

logo512.png

manifest.json

robots.txt

.dockerignore

.gitignore

Dockerfile

build.sh

deploy.sh

DevOps-Project / build

Add file

ef44730 · 2 years ago

History

This branch is 2 commits ahead of, 2 commits behind main

Contribute

Name	Last commit message	Last commit date
..		
static	Add files via upload	2 years ago
_redirects	Add files via upload	2 years ago
asset-manifest.json	Add files via upload	2 years ago
favicon.ico	Add files via upload	2 years ago
index.html	Add files via upload	2 years ago
logo192.png	Add files via upload	2 years ago
logo512.png	Add files via upload	2 years ago
manifest.json	Add files via upload	2 years ago
robots.txt	Add files via upload	2 years ago

Pin Unwatch 1 Fork 0 Star 0

Q Go to file t

Add file <> Code

About

This branch is 2 commits ahead of, 2 commits behind `main`.

[Contribute](#)

No description, website, or topics provided.

 Activity

☆ 0 stars

👁 1 watching

0 forks

Releases

No releases published

Create a new release

Packages

No packages published

[Publish your first package](#)

 **README**

