

Setting up GitHub Action Workflow

This screenshot shows the GitHub Actions workflow configuration page for the repository `nipunanoob/linux_tweet_app`. The workflow file is named `github_registry.yml` and is located at `d18bbeb`. The workflow is triggered on a `push` to the `main` branch. It consists of a single job named `ci` that runs on `ubuntu-latest`. The job has several steps: `Checkout` (using `actions/checkout@v2`), `Login to Docker Hub` (using `docker/login-action@v1` with secrets for `DOCKER_HUB_USERNAME` and `DOCKER_HUB_ACCESS_TOKEN`), `Set up Docker Buildx` (using `docker/setup-buildx-action@v1`), and `Build and push` (using `docker/build-push-action@v2` with context `.`, file `./Dockerfile`, and pushing to the `linux_tweet_app:latest` tag).

```
1 name: ci
2 on:
3   push:
4     branches:
5       - main
6
7 jobs:
8   build:
9     runs-on: ubuntu-latest
10    steps:
11      -
12        name: Checkout
13        uses: actions/checkout@v2
14      -
15        name: Login to Docker Hub
16        uses: docker/login-action@v1
17        with:
18          username: ${ secrets.DOCKER_HUB_USERNAME }
19          password: ${ secrets.DOCKER_HUB_ACCESS_TOKEN }
20      -
21        name: Set up Docker Buildx
22        uses: docker/setup-buildx-action@v1
23      -
24        name: Build and push
25        uses: docker/build-push-action@v2
26        with:
27          context: .
28          file: ./Dockerfile
29          push: true
30          tags: ${ secrets.DOCKER_HUB_USERNAME }/linux_tweet_app:latest
31
32
```

This screenshot shows the GitHub Actions workflow run page for the repository `nipunanoob/linux_tweet_app`. The workflow is named `Set up the GitHub Actions workflow ci #5` and is the 5th attempt. The run is successful, with a status of `Completed`. The workflow consists of a single job named `build` that runs on `ubuntu-latest`. The job has several steps: `Set up job`, `Checkout`, `Login to Docker Hub`, `Set up Docker Buildx`, `Build and push`, `Post Build and push`, `Post Set up Docker Buildx`, `Post Login to Docker Hub`, `Post Checkout`, and `Complete job`. The run is successful, with a status of `Completed`.

```
build
succeeded 30 seconds ago in 14s

> Set up job 1s
> Checkout 1s
> Login to Docker Hub 1s
> Set up Docker Buildx 2s
> Build and push 8s
> Post Build and push 0s
> Post Set up Docker Buildx 1s
> Post Login to Docker Hub 0s
> Post Checkout 0s
> Complete job 0s
```

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hub.docker.com/repository/docker/ginzuka/linux_tweet_app

General Tags Builds Collaborators Webhooks Settings

Advanced Image Management
View all your images and tags in this repository, clean up unused content, recover untagged images. Available with Pro, Team and Business subscriptions. [View preview](#)

ginzuka / linux_tweet_app
This repository does not have a description
Last pushed: 3 minutes ago

Docker commands [Public View](#)
To push a new tag to this repository,
`docker push ginzuka/linux_tweet_app:tagname`

Tags and Scans [VULNERABILITY SCANNING - DISABLED](#) [Enable](#)
This repository contains 2 tag(s).

TAG	OS	PULLED	PUSHED
buildcache	---	---	3 minutes ago
latest		5 minutes ago	5 minutes ago

[See all](#)

Automated Builds
Manually pushing images to 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.
[Upgrade to Pro](#) [Learn more](#)

Optimizing the workflow

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github.com/nipunanoob/linux_tweet_app/actions/runs/1656906200/workflow

Summary
Workflow file
Jobs
build

Workflow file for this run
github/workflows/github_registry.yml at 74c861d

```

1 name: ci
2 on:
3   push:
4     branches:
5       - main
6
7 jobs:
8   build:
9     runs-on: ubuntu-latest
10    steps:
11      -
12        name: Checkout
13        uses: actions/checkout@v2
14      -
15        name: Login to Docker Hub
16        uses: docker/login-action@v1
17        with:
18          username: ${{ secrets.DOCKER_HUB_USERNAME }}
19          password: ${{ secrets.DOCKER_HUB_ACCESS_TOKEN }}
20      -
21        name: Set up Docker Buildx
22        uses: docker/setup-buildx-action@v1
23      -
24        name: Build and push
25        uses: docker/build-push-action@v2
26        with:
27          context: ./
28          file: ./Dockerfile
29          builder: ${{ steps.buildx.outputs.name }}
30          push: true
31          tags: ${{ secrets.DOCKER_HUB_USERNAME }}/linux_tweet_app:latest
32          cache-from: type=registry,ref=${{ secrets.DOCKER_HUB_USERNAME }}/linux_tweet_app:buildcache
33          cache-to: type=registry,ref=${{ secrets.DOCKER_HUB_USERNAME }}/linux_tweet_app:buildcache,mode=max

```

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github.com/nipunanoob/linux_tweet_app/runs/4892577549?check_suite_focus=true

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Optimizing the workflow ci #6 Attempt #3. View previous attempt Re-run all jobs

Summary

Jobs

build

build

succeeded 21 seconds ago in 23s

Search logs

- Set up job 2s
- Checkout 1s
- Login to Docker Hub 1s
- Set up Docker Buildx 13s
- Build and push 11s
- Post Build and push 0s
- Post Set up Docker Buildx 1s
- Post Login to Docker Hub 0s
- Post Checkout 0s
- Complete job 0s

Push tagged versions

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github.com/nipunanoob/linux_tweet_app/actions/runs/1656926033/workflow

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Summary

Workflow file

Jobs

build

github/workflows/github_registry.yml at 723b468

```
1 name: ci
2 on:
3   push:
4     branches:
5       - 'main'
6     tags:
7       - 'v*'
8
9 jobs:
10  build:
11    runs-on: ubuntu-latest
12    steps:
13      -
14        name: Checkout
15        uses: actions/checkout@v2
16      -
17        name: Login to Docker Hub
18        uses: docker/login-action@v1
19        with:
20          username: ${ secrets.DOCKER_HUB_USERNAME }
21          password: ${ secrets.DOCKER_HUB_ACCESS_TOKEN }
22      -
23        name: Set up Docker Buildx
24        uses: docker/setup-buildx-action@v1
25      -
26        name: Build and push
27        uses: docker/build-push-action@v2
28        with:
29          context: ./
30          file: ./Dockerfile
31          builder: ${ steps.buildx.outputs.name }
32          push: true
33          tags: ${ secrets.DOCKER_HUB_USERNAME }/linux_tweet_app:latest
34          cache-from: type=registry,ref=${ secrets.DOCKER_HUB_USERNAME }/linux_tweet_app:buildcache
35          cache-to: type=registry,ref=${ secrets.DOCKER_HUB_USERNAME }/linux_tweet_app:buildcache,mode=max
```

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github.com/nipunanoob/linux_tweet_app/runs/4724969455?check_suite_focus=true

You have successfully requested a re-run of the workflow run.

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Push tagged versions ci #8
Attempt #3. View previous attempt

Summary

Jobs

build

build
succeeded 15 days ago in 15s

Search logs

- Set up job 4s
- Checkout 2s
- Login to Docker Hub 1s
- Set up Docker Buildx 3s
- Build and push 4s
- Post Build and push 0s
- Post Set up Docker Buildx 1s
- Post Login to Docker Hub 0s
- Post Checkout 0s
- Complete job 0s

ci
ci #13: by nipunanoob

v1.0.3

16 days ago
22s

Authenticaction using Github container registry and handling pull requests

```
1 name: ci
2 on:
3   push:
4     branches:
5       - 'main'
6   tags:
7     - '*'
8   pull_request:
9     branches:
10      - 'main'
11 jobs:
12   build:
13     runs-on: ubuntu-latest
14     steps:
15       -
16         name: Checkout
17         uses: actions/checkout@v2
18       -
19         name: Login to Docker Hub
20         if: github.event_name != 'pull_request'
21         uses: docker/login-action@v1
22         with:
23           registry: gcr.io
24           username: ${github.actor}
25           password: ${secrets.GITHUB_TOKEN}
26       -
27         name: Set up Docker Buildx
28         uses: docker/setup-buildx-action@v1
29       -
30         name: Build and push
31         uses: docker/build-push-action@v2
32         with:
33           context: ./
34           file: ./Dockerfile
35           builder: ${steps.setup-buildx.outputs.name}
36           push: true
37           tags: gcr.io/${github.repository_owner}/${linux_tweet_app:latest}
38           cache-from: type=registry,ref=${secrets.DOCKER_HUB_USERNAME}/${linux_tweet_app:buildcache}
39           cache-to: type=registry,ref=${secrets.DOCKER_HUB_USERNAME}/${linux_tweet_app:buildcache},mode=max
```

Update github_registry.yml ci #11
Attempt #4. View previous attempt

Summary

Jobs

- build

build
succeeded 15 days ago in 11s

- Set up job 3s
- Checkout 2s
- Login to Docker Hub 0s
- Set up Docker Buildx 3s
- Build and push 3s
- Post Build and push 0s
- Post Set up Docker Buildx 0s
- Post Login to Docker Hub 0s
- Post Checkout 0s
- Complete job 0s

Pull request automatically starting a new workflow

✓ Merge branch 'main' of [https://github.com/nipunanoob/...](https://github.com/nipunanoob/) main

ci #12: Commit b4c3433 pushed by nipunanoob

16 days ago
27s

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Actions : nipunanoob/linux_tweet_app/actions

CI / CD introduction

Docker Hub

github.com/nipunanoob/linux_tweet_app/actions

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9 workflow runs

EventStatusBranchActor

ci

ci #13: by nipunanoob

vi.0.3

16 days ago

22s

...

Merge branch 'main' of https://github.com/nipunanoob/...

ci #12: Commit b4c3433 pushed by nipunanoob

main

16 days ago

27s

...

Update github_registry.yml

ci #11: Commit c89a74e pushed by nipunanoob

main

16 days ago

24s

...

Fixing wrong repo name in tags

ci #10: Commit 3386938 pushed by nipunanoob

main

16 days ago

27s

...

GitHub Container Registry Authentication & PR

ci #9: Commit 89e119a pushed by nipunanoob

main

16 days ago

28s

...

Push tagged versions

ci #8: Commit 723b468 pushed by nipunanoob

main

16 days ago

37s

...

accidentally remove setup buildx step

ci #7: Commit 3608b30 pushed by nipunanoob

main

16 days ago

23s

...

Optimizing the workflow

ci #6: Commit 74c061d pushed by nipunanoob

main

16 days ago

44s

...

Set up the GitHub Actions workflow

ci #5: Commit d10bbeb pushed by nipunanoob

main

16 days ago

28s

...