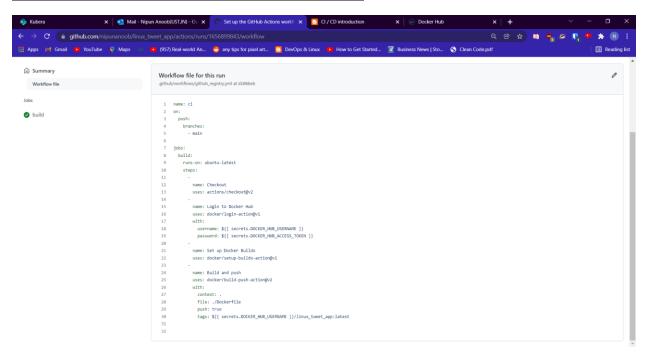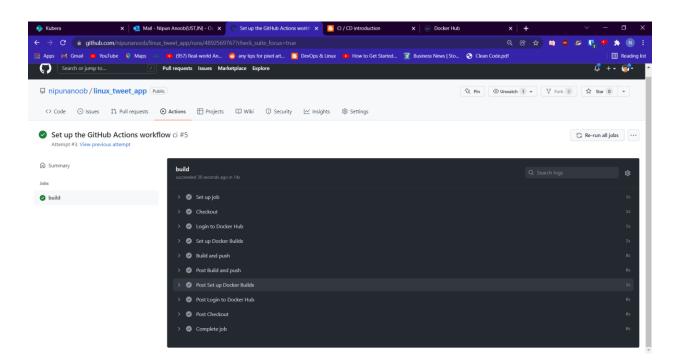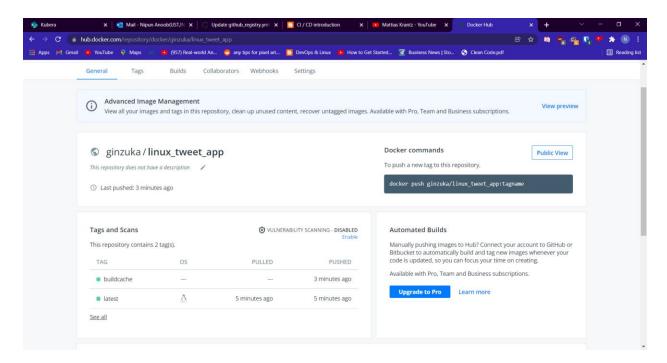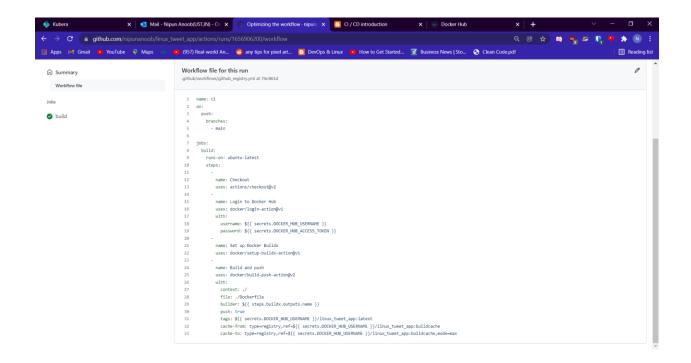# Setting up GitHub Action Workflow

Optimizing the workflow

Push tagged versions


```
.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
```
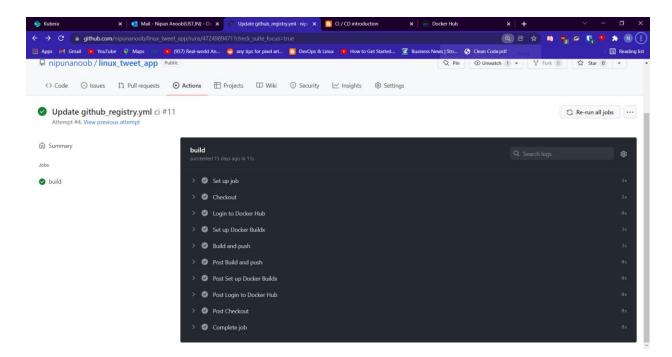
Authenticaction using Github container registry and handling pull requests

Pull request automatically starting a new workflow

Kubera   ×   Mail - Nipun Anoob(UST,IN) - O ×   Actions · nipunanoob/linux_twee ×   CI / CD introduction   ×   Docker Hub   ×   +

github.com/nipunanoob/linux_tweet_app/actions

Apps   Gmail   YouTube   Maps   (957) Real-world An...   any tips for pixel art...   DevOps & Linux   How to Get Started...   Business Ne   90%   —   +   Reset   Reading list

ci

9 workflow runs

Event ▾   Status ▾   Branch ▾   Actor ▾

✅ **ci** ci #13: by nipunanoob	`v1.0.3`	📅 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	...
❌ **accidently 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	...