

The screenshot shows the Docker Hub user settings page for the user 'neethushanavas'. The page is titled 'neethushanavas' and includes a profile picture and the text 'User Joined December 3, 2021'. The left sidebar contains a menu with 'General', 'Security', 'Default Privacy', 'Notifications', 'Convert Account', and 'Deactivate Account'. The 'Security' section is active, showing a message: 'This is the settings page for your user account. If you want to change your organization settings, navigate to the settings tab on the organization details page. View your organizations [here](#).' Below this, the 'Access Tokens' section shows '1 of 1 token active' and a 'New Access Token' button. A table lists the active token:

DESCRIPTION	SCOPE	LAST USED	CREATED	ACTIVE
neethu123	Read, Write, Delete	Jan 06, 2022 14:52:44	Jan 04, 2022 15:04:13	Yes

The screenshot shows the GitHub repository settings page for the repository 'SimpleWhaleDemo-1'. The left sidebar contains a menu with 'Notifications', 'Integrations', 'Deploy keys', 'Actions', 'Environments', 'Secrets', 'Actions', 'Dependabot', 'Pages', and 'Moderation settings'. The 'Secrets' section is active, showing a message: 'There are no secrets for this repository's environments. Encrypted environment secrets allow you to store sensitive information, such as access tokens, in your repository environments. [Manage your environments and add environment secrets](#)' Below this, the 'Repository secrets' section shows two secrets:

SECRET NAME	UPDATED	ACTIONS
DOCKER_HUB_ACCESS_TOKEN	Updated now	<a href="#">Update</a> <a href="#">Remove</a>
DOCKER_HUB_USERNAME	Updated 3 minutes ago	<a href="#">Update</a> <a href="#">Remove</a>

## Create main.yaml in work flow

name: CI to Dockerhub

on:

push:

branches: [ master ]

pull\_request:

branches: [ master ]

workflow\_dispatch:

jobs:

build:

runs-on: ubuntu-latest

steps:

-

name: Checkout

uses: actions/checkout@v2

-

name: Login to Docker Hub

uses: docker/login-action@v1

with:

username: \${ secrets.DOCKER\_HUB\_USERNAME }

password: \${ secrets.DOCKER\_HUB\_ACCESS\_TOKEN }

-

name: Set up Docker Buildx

uses: docker/setup-buildx-action@v1

-

name: Build and push

uses: docker/build-push-action@v2

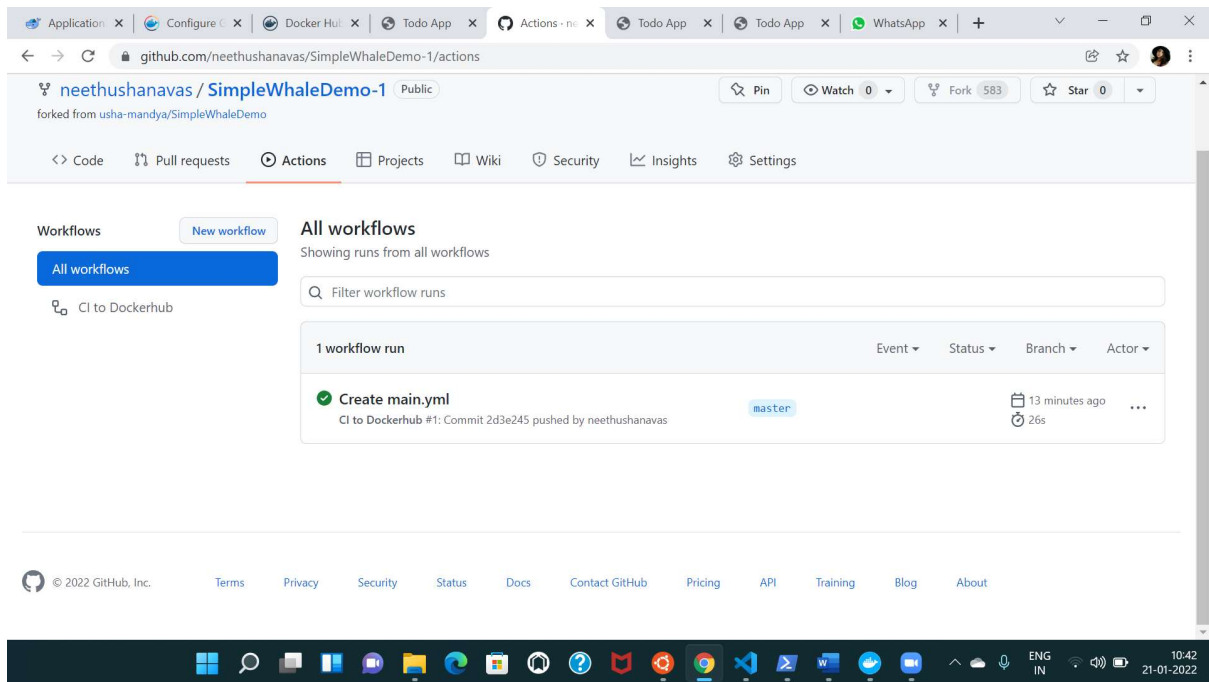
with:

context: .

file: ./Dockerfile

push: true

tags: \${ secrets.DOCKER\_HUB\_USERNAME }/simplewhale:latest



## Optimising the workflow

name: CI to Dockerhub

on:

push:

branches: [ master ]

pull\_request:

branches: [ master ]

workflow\_dispatch:

jobs:

build:

runs-on: ubuntu-latest

steps:

-

name: Checkout

uses: actions/checkout@v2

-

name: Login to Docker Hub

uses: docker/login-action@v1

with:

```
username: ${ secrets.DOCKER_HUB_USERNAME }}  
password: ${ secrets.DOCKER_HUB_ACCESS_TOKEN }}
```

-

name: Set up Docker Buildx

uses: docker/setup-buildx-action@v1

-

name: Build and push

uses: docker/build-push-action@v2

with:

context: ./

file: ./Dockerfile

builder: \${ steps.buildx.outputs.name }}

push: true

tags: \${ secrets.DOCKER\_HUB\_USERNAME }}/simplewhale:latest

cache-from: type=registry,ref=\${ secrets.DOCKER\_HUB\_USERNAME }  
}/simplewhale:buildcache

cache-to: type=registry,ref=\${ secrets.DOCKER\_HUB\_USERNAME }  
}/simplewhale:buildcache,mode=max

The screenshot shows the GitHub Actions interface for the repository 'neethushanavas/SimpleWhaleDemo-1'. The 'Actions' tab is selected, displaying a list of workflow runs. Two runs are visible: 'Update main.yml' (CI to Dockerhub #2) and 'Create main.yml' (CI to Dockerhub #1), both on the 'master' branch. The interface includes navigation links like Code, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. The bottom of the page shows the GitHub footer with copyright information and various links.

## **Push tagged versions and handle pull request**

name: CI to GHCR

on:

push:

branches: [ master ]

tags:

- 'v\*'

pull\_request:

branches: [ master ]

workflow\_dispatch:

jobs:

build:

runs-on: ubuntu-latest

steps:

-

name: Checkout

uses: actions/checkout@v2

-

name: Login to Docker Hub

uses: docker/login-action@v1

with:

username: \${{ secrets.DOCKER\_HUB\_USERNAME }}

password: \${{ secrets.DOCKER\_HUB\_ACCESS\_TOKEN }}

-

name: Set up Docker Buildx

uses: docker/setup-buildx-action@v1

-

name: Build and push

if: github.event\_name != 'pull\_request'

uses: docker/login-action@v1

with:

registry: ghcr.io

username: \${{ github.actor }}

password: \${{ secrets.GITHUB\_TOKEN }}

tags: ghcr.io/neethushanavas/simplewhale:latest

The image shows two browser windows. The top window displays the GitHub Actions page for the repository `github.com/neethushanavas/SimpleWhaleDemo-1/actions`. It shows a list of workflow runs under the heading "All workflows". The runs are filtered by "CI to Dockerhub" and "CI to GHCR". The runs are as follows:

Workflow Run	Event	Status	Branch	Actor	Time
Create registry.yml	CI to Dockerhub #3: Commit 134f223 pushed by neethushanavas	Success	master	neethushanavas	40 seconds ago, 36s
Create registry.yml	CI to GHCR #1: Commit 134f223 pushed by neethushanavas	Success	master	neethushanavas	32 seconds ago, 30s
Update main.yml	CI to Dockerhub #2: Commit b6a085e pushed by neethushanavas	Success	master	neethushanavas	11 minutes ago, 27s
Create main.yml	CI to Dockerhub #1: Commit 2d3e245 pushed by neethushanavas	Success	master	neethushanavas	26 minutes ago, 26s

The bottom window shows a Docker Hub page with the URL `ip172-18-0-11-c714me7njsv000br6t70-80.direct.labs.play-with-docker.com`. The page features a large blue whale illustration with a Docker logo on its back, set against a background of blue waves.