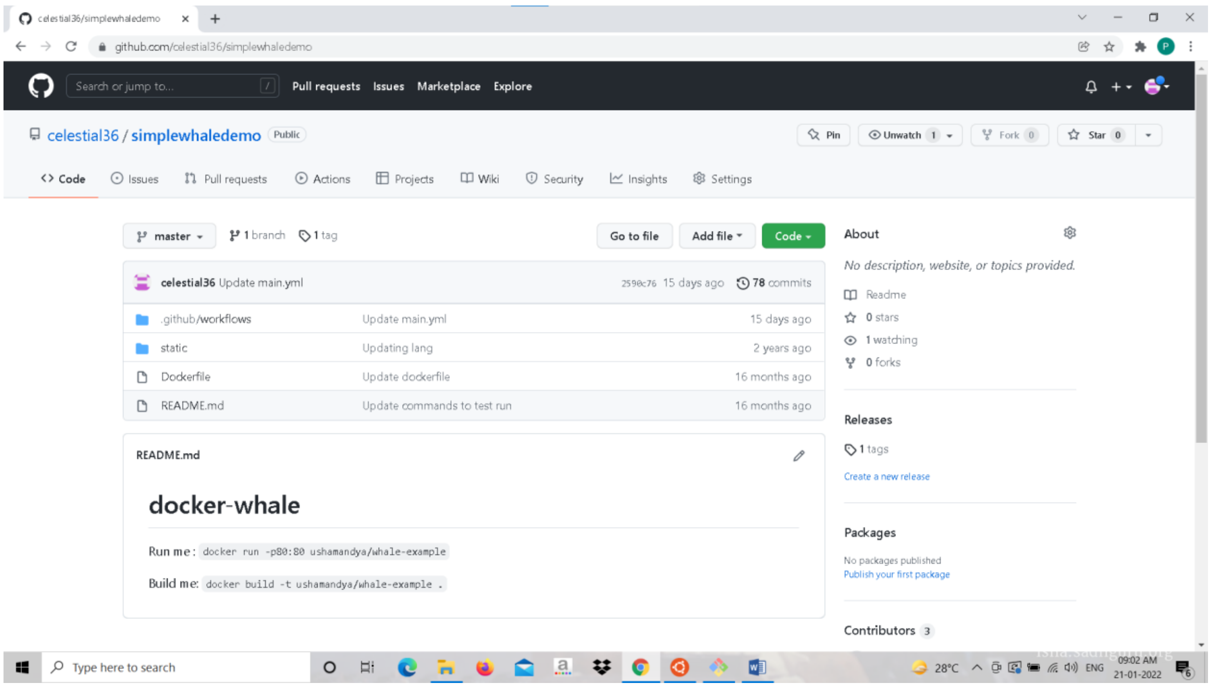
# Creating a CICD Pipeline using a sample docker app.

## Configure Git hub actions.

- Cloned a simplewhaledemo (a docker project) project from git hub to my machine
- A separate folder for this project created in my desktop
- Created a new repo called simplewhaledemo in git hub
- Pushed this project to that repo to work with it.



celestial36 / simplewhaledemo Public

master · 1 branch · 1 tag

celestial36 Update main.yml 2590c76 15 days ago 78 commits

| | | |
|---|---|---|
| .github/workflows | Update main.yml | 15 days ago |
| static | Updating lang | 2 years ago |
| Dockerfile | Update dockerfile | 16 months ago |
| README.md | Update commands to test run | 16 months ago |

README.md

docker-whale

Run me : `docker run -p80:80 ushamandya/whale-example`

Build me: `docker build -t ushamandya/whale-example .`

About

No description, website, or topics provided.

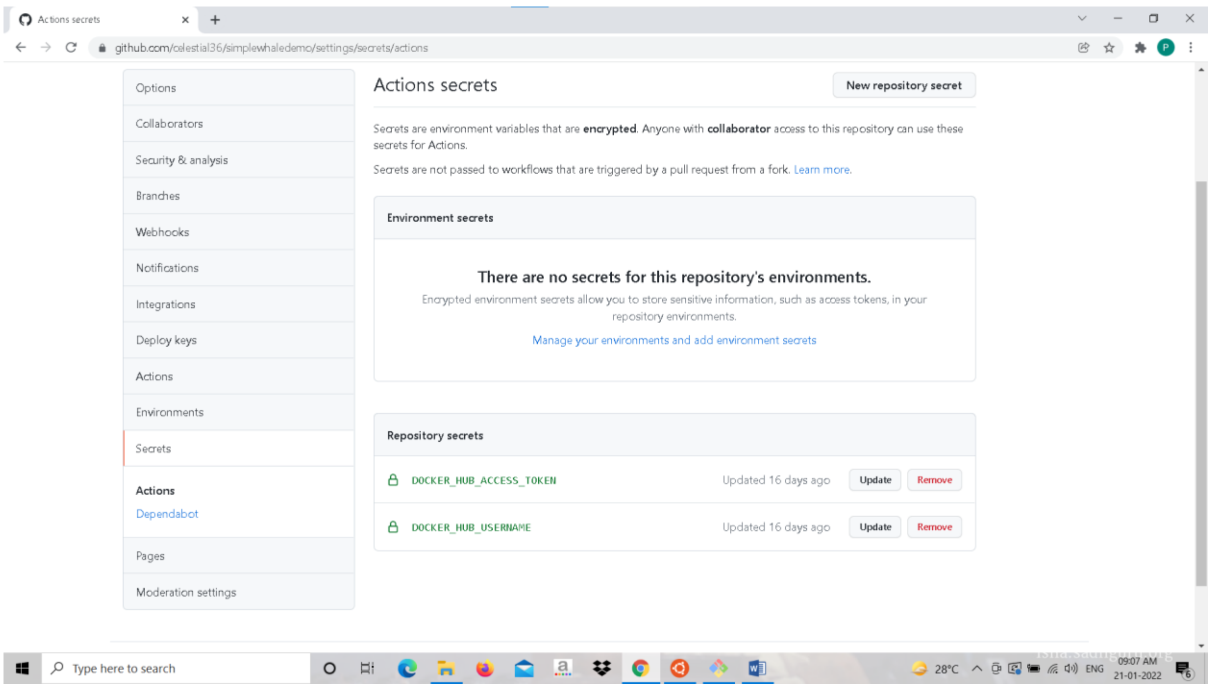
Readme · 0 stars · 1 watching · 0 forks

Releases: 1 tags · Create a new release

Packages: No packages published · Publish your first package

Contributors 3

# Creating secrets (Docker username and PAT- Personal Access Token)



github.com/celestial36/simplewhaledemo/settings/secrets/actions

Actions secrets

New repository secret

Secrets are environment variables that are **encrypted**. Anyone with **collaborator** access to this repository can use these secrets for Actions.

Secrets are not passed to workflows that are triggered by a pull request from a fork. Learn more.

Environment secrets

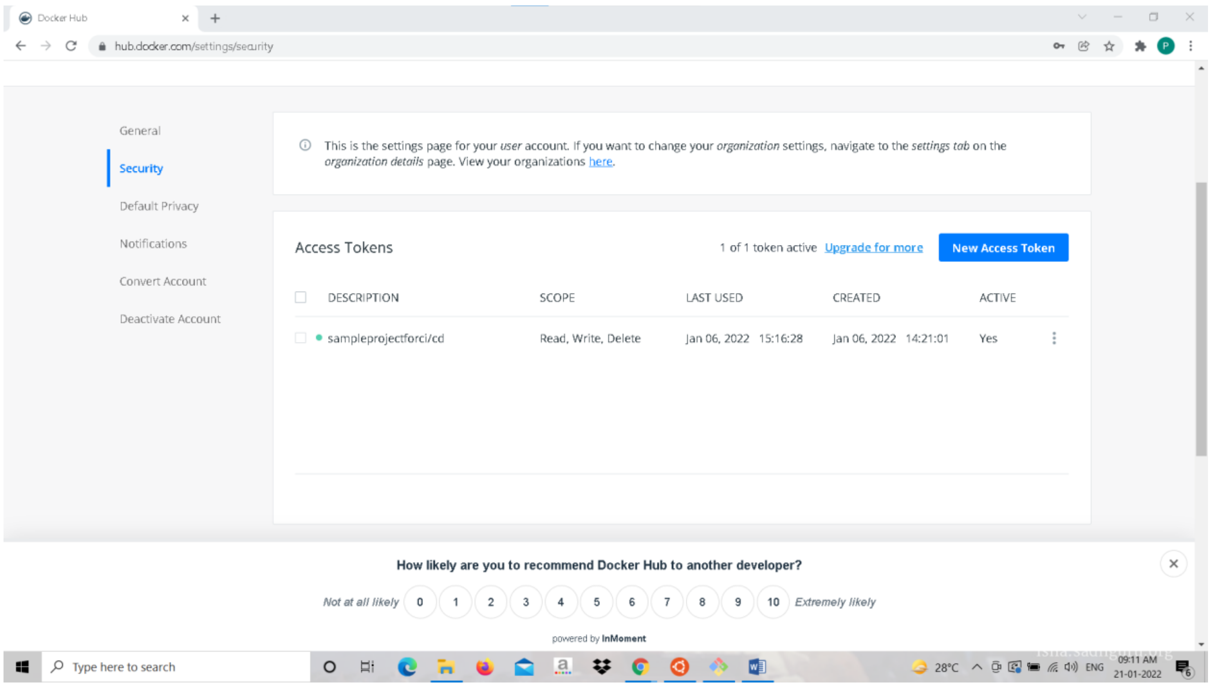
There are no secrets for this repository's environments.

Encrypted environment secrets allow you to store sensitive information, such as access tokens, in your repository environments.

Manage your environments and add environment secrets

Repository secrets

| | | | |
|---|---|---|---|
| DOCKER_HUB_ACCESS_TOKEN | Updated 16 days ago | Update | Remove |
| DOCKER_HUB_USERNAME | Updated 16 days ago | Update | Remove |



hub.docker.com/settings/security

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.

Access Tokens

1 of 1 token active Upgrade for more

New Access Token

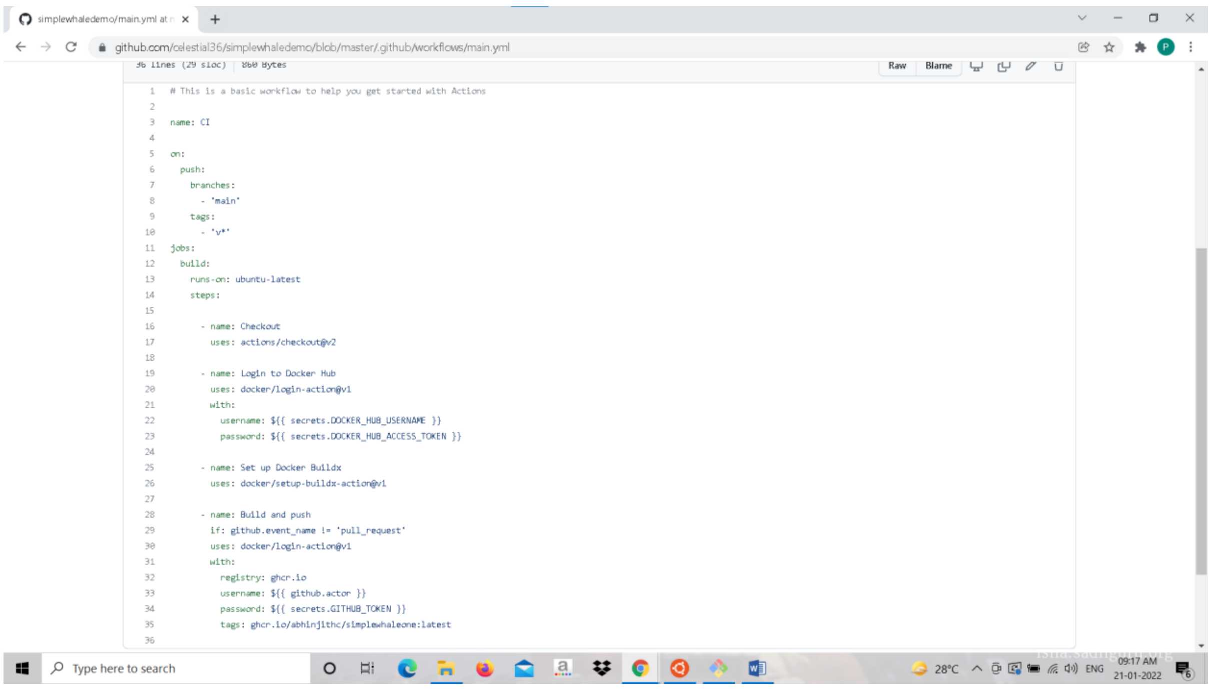
| DESCRIPTION | SCOPE | LAST USED | CREATED | ACTIVE |
|---|---|---|---|---|
| sampleprojectforci/cd | Read, Write, Delete | Jan 06, 2022 15:16:28 | Jan 06, 2022 14:21:01 | Yes |

How likely are you to recommend Docker Hub to another developer?

Not at all likely 0 1 2 3 4 5 6 7 8 9 10 Extremely likely

powered by InMoment

## Setting up git hub action workflow

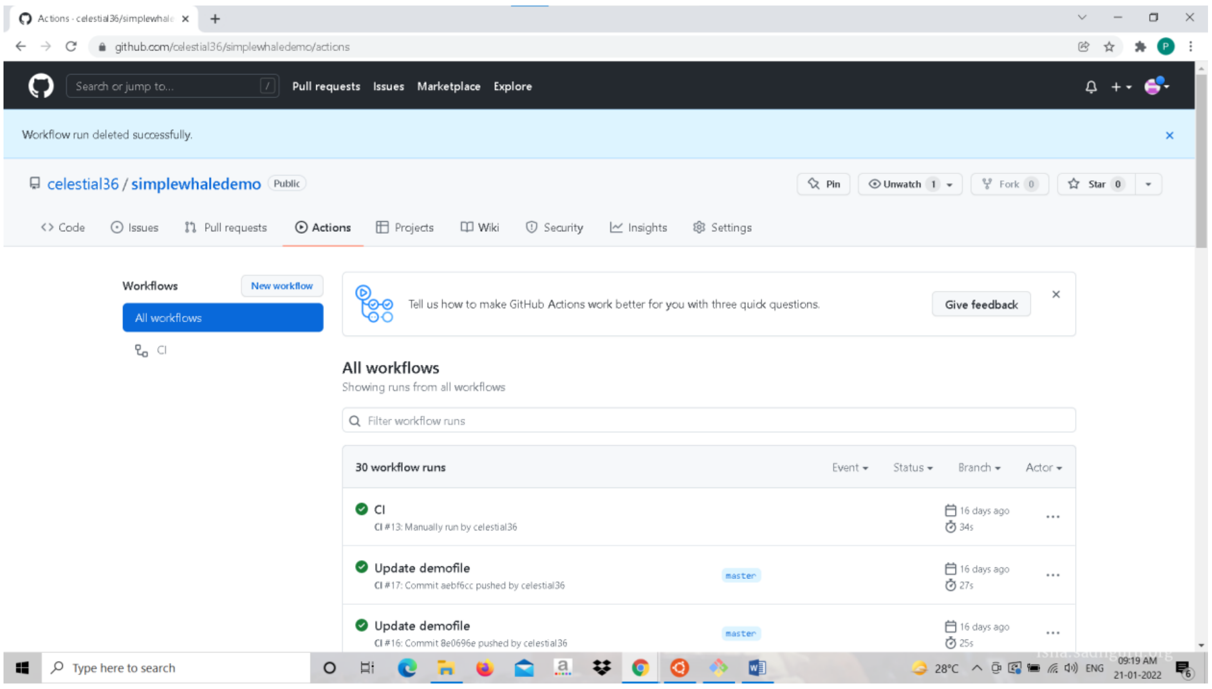


github.com/celestial36/simplewhaledemo/blob/master/.github/workflows/main.yml

36 lines (29 sloc) | 860 Bytes

```yaml
# This is a basic workflow to help you get started with Actions

name: CI

on:
  push:
    branches:
      - 'main'
    tags:
      - 'v*'
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/abhinjithc/simplewhaleone:latest

```

## above image: Main.yaml file



github.com/celestial36/simplewhaledemo/actions

Workflow run deleted successfully.

celestial36 / simplewhaledemo Public

Workflows — All workflows — CI

Tell us how to make GitHub Actions work better for you with three quick questions.

All workflows

Showing runs from all workflows

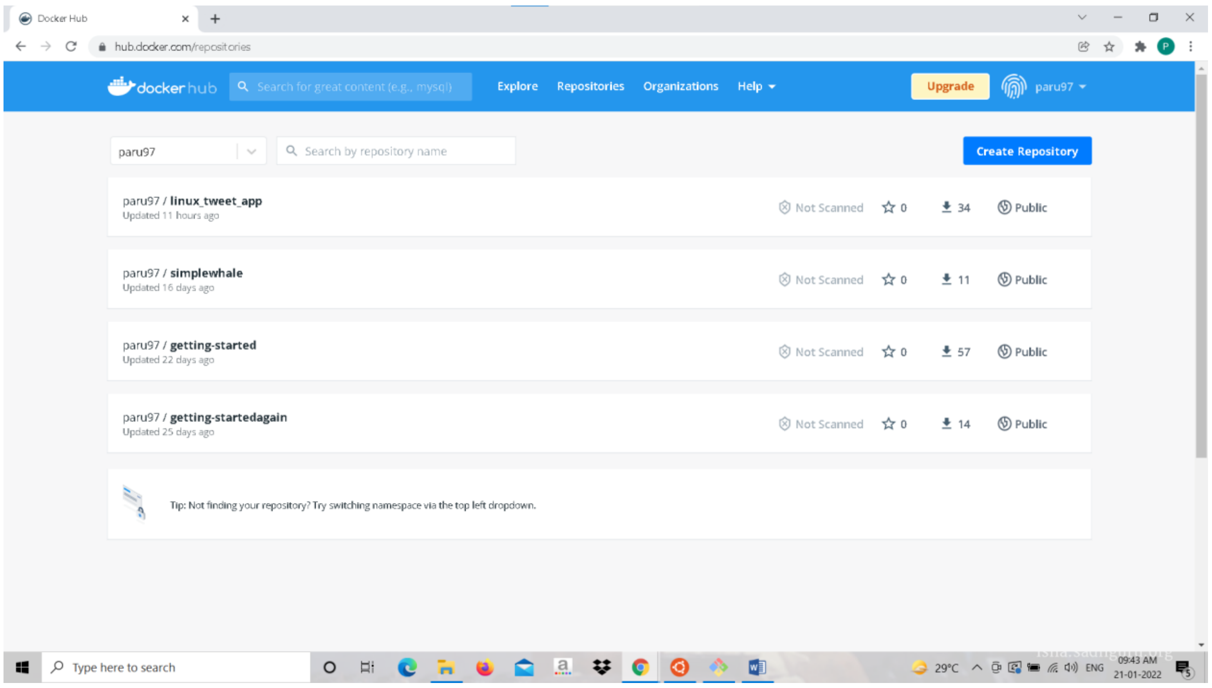
30 workflow runs

CI
CI #13: Manually run by celestial36 — 16 days ago — 34s

Update demofile — master
CI #17: Commit aebf6cc pushed by celestial36 — 16 days ago — 27s

Update demofile — master
CI #16: Commit 8e0696e pushed by celestial36 — 16 days ago — 25s

# A repository created in dockerhub



paru97 / **linux_tweet_app**
Updated 11 hours ago
Not Scanned ☆ 0 ⭳ 34 Public

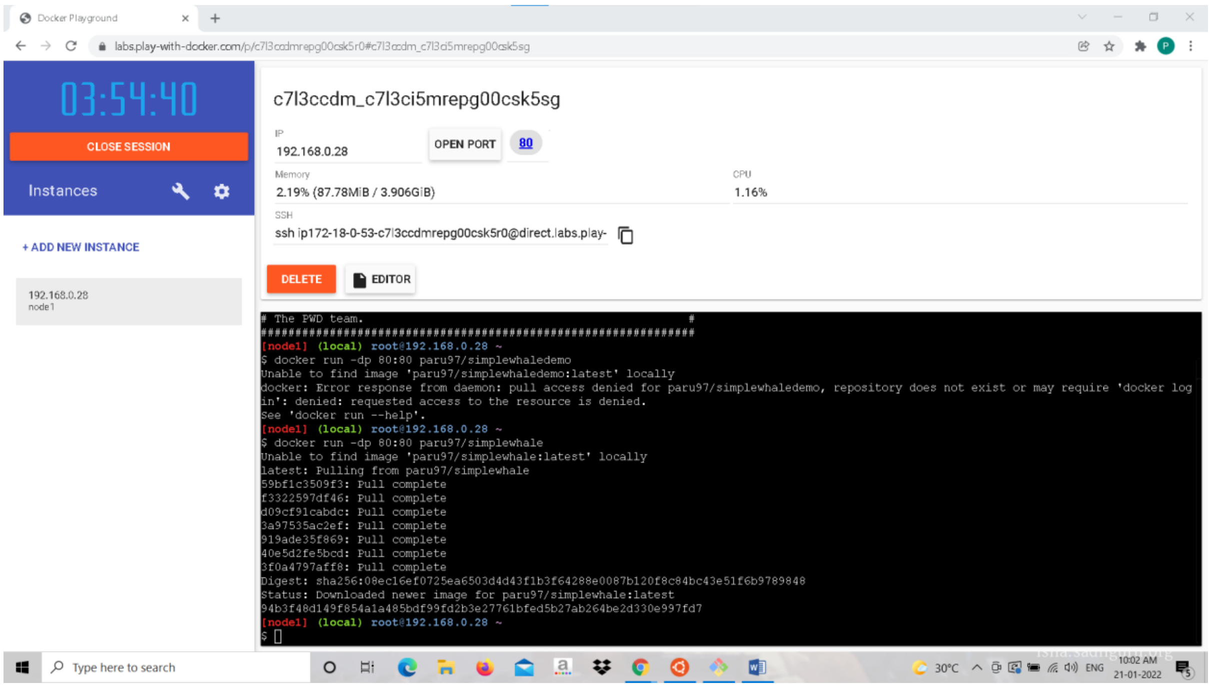
paru97 / **simplewhale**
Updated 16 days ago
Not Scanned ☆ 0 ⭳ 11 Public

paru97 / **getting-started**
Updated 22 days ago
Not Scanned ☆ 0 ⭳ 57 Public

paru97 / **getting-startedagain**
Updated 25 days ago
Not Scanned ☆ 0 ⭳ 14 Public

Tip: Not finding your repository? Try switching namespace via the top left dropdown.

## Successfully running the application via labs.play-with-docker.



c7l3ccdm_c7l3ci5mrepg00csk5sg

IP 192.168.0.28

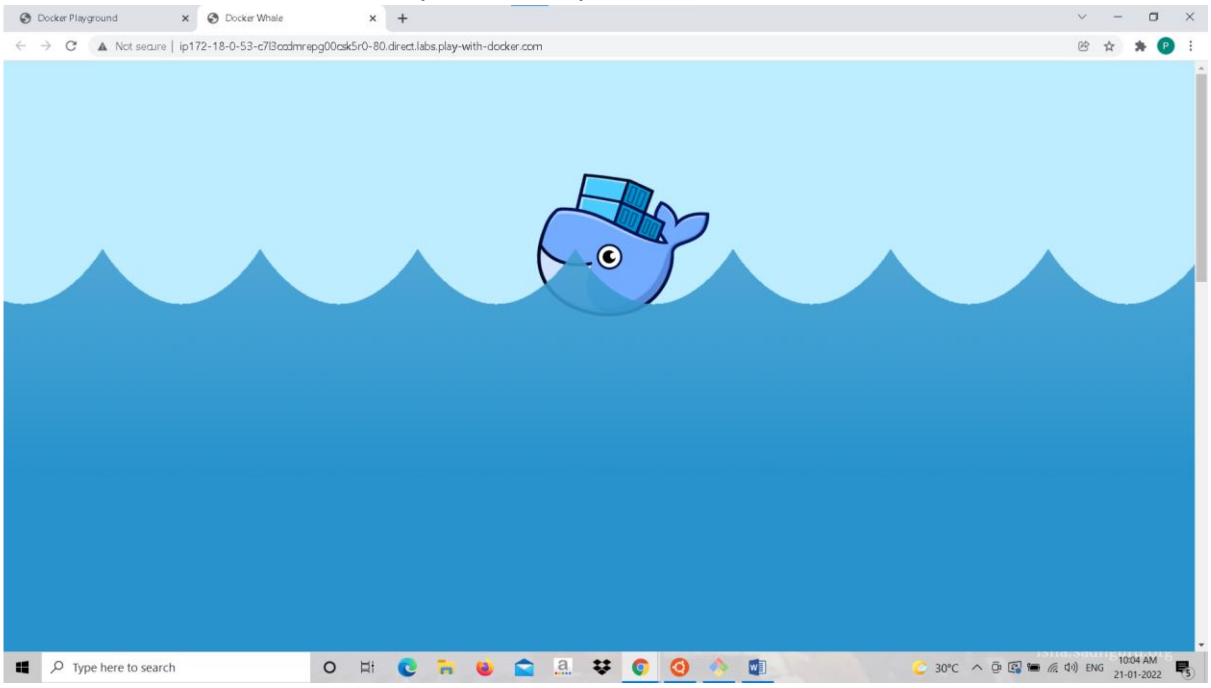
Memory 2.19% (87.78MiB / 3.906GiB)

CPU 1.16%

SSH ssh ip172-18-0-53-c7l3ccdmrepg00csk5r0@direct.labs.play-

```
# The PWD team.                                                    #
####################################################################
[node1] (local) root@192.168.0.28 ~
$ docker run -dp 80:80 paru97/simplewhaledemo
Unable to find image 'paru97/simplewhaledemo:latest' locally
docker: Error response from daemon: pull access denied for paru97/simplewhaledemo, repository does not exist or may require 'docker log
in': denied: requested access to the resource is denied.
See 'docker run --help'.
[node1] (local) root@192.168.0.28 ~
$ docker run -dp 80:80 paru97/simplewhale
Unable to find image 'paru97/simplewhale:latest' locally
latest: Pulling from paru97/simplewhale
59bf1c3509f3: Pull complete
f3322597df46: Pull complete
d09cf91cabdc: Pull complete
3a97535ac2ef: Pull complete
919ade35f869: Pull complete
40e5d2fe5bcd: Pull complete
3f0a4797aff8: Pull complete
Digest: sha256:08ec16ef0725ea6503d4d43f1b3f64288e0087b120f8c84bc43e51f6b9789848
Status: Downloaded newer image for paru97/simplewhale:latest
94b3f48d149f854a1a485bdf99fd2b3e27761bfed5b27ab264be2d330e997fd7
[node1] (local) root@192.168.0.28 ~
$ 
```

## Docker Whale output on port 80


Docker Playground
Docker Whale
Not secure | ip172-18-0-53-c7l3ccdmrepg00csk5r0-80.direct.labs.play-with-docker.com
Type here to search
30°C
ENG
10:04 AM
21-01-2022