

INT332

Create Folder

```
mkdir ghcr-demo
```

```
cd ghcr-demo
```

Create Dockerfile

Create file:

Dockerfile,

then follow one by one step

Build Docker Image

```
docker build -t ghcr.io/harikrishnamahato777/ghcr-demo .
```

Login to GHCR

keep your github repository name

keep password where Pat which u create generate token that one

Push Image to GHCR

```
docker push ghcr.io/harikrishnamahato777/ghcr-demo
```

Delete Local Image First

```
docker rmi ghcr.io/harikrishnamahato777/ghcr-demo
```

Pull Again from GHCRdocker

```
pull ghcr.io/harikrishnamahato777/ghcr-demo
```

Run Container

```
docker run -p 8080:80 ghcr.io/harikrishnamahato777/ghcr-demo
```

Open browser:

<http://localhost:8080>

```
✓ TERMINAL pwsh + v

PS C:\Users\harik> cd D:
PS D:\> mkdir ghcr-demo

Directory: D:\

Mode                LastWriteTime         Length Name
----                -
d-----          21-02-2026    00:41             ghcr-demo

PS D:\> cd ghcr-demo
PS D:\ghcr-demo> notepad index.html
PS D:\ghcr-demo> notepad index.html
PS D:\ghcr-demo> notepad dockerfile
PS D:\ghcr-demo> ren dockerfile.txt dockerfile
PS D:\ghcr-demo> dir

Directory: D:\ghcr-demo

Mode                LastWriteTime         Length Name
----                -
-a---          21-02-2026    00:44           67 dockerfile
-a---          21-02-2026    00:43          176 index.html

PS D:\ghcr-demo>
```

```
PS D:\ghcr-demo> docker build -t ghcr.io/harikrishnamahato777/ghcr-demo .
[+] Building 5.3s (8/8) FINISHED                                docker:desktop-linux
=> [internal] load build definition from dockerfile              0.1s
=> => transferring dockerfile: 104B                             0.0s
=> [internal] load metadata for docker.io/library/nginx:alpine  4.0s
=> [auth] library/nginx:pull token for registry-1.docker.io     0.0s
=> [internal] load .dockerignore                                0.1s
=> => transferring context: 2B                                   0.0s
=> [internal] load build context                                0.0s
=> => transferring context: 215B                                 0.0s
=> CACHED [1/2] FROM docker.io/library/nginx:alpine@sha256:1d13701a5f9f3fb01aaa88cef2344d65b6b5bf6b7d9fa4cf 0.1s
=> => resolve docker.io/library/nginx:alpine@sha256:1d13701a5f9f3fb01aaa88cef2344d65b6b5bf6b7d9fa4cf0dca557 0.1s
=> [2/2] COPY index.html /usr/share/nginx/html/index.html      0.1s
=> exporting to image                                           0.8s
=> => exporting layers                                           0.2s
=> => exporting manifest sha256:ffc50149d976428c59bcc836d241cf4fd150dcc4ed3b4feb7e72f723a470bdfc 0.0s
=> => exporting config sha256:f7dd66fa2ccab4810f84b15440a1b1e05cbac4c98b975e26a6bc5e813489e733 0.1s
=> => exporting attestation manifest sha256:806b54ef33c0635b5b354d7e23b4d18dce68a268799937a63388170e3c7444f 0.1s
=> => exporting manifest list sha256:186bff5c82ea1f4a3e55a379a1d32916a5ef50881f45e19929a8a029ed676634 0.0s
=> => naming to ghcr.io/harikrishnamahato777/ghcr-demo:latest 0.0s
=> => unpacking to ghcr.io/harikrishnamahato777/ghcr-demo:latest 0.1s
```

View build details: [docker-desktop://dashboard/build/desktop-linux/desktop-linux/s5fdx8vyxm7rvvgglqrgzb0a32](https://desktop.docker.com/win/en/desktop-linux/desktop-linux/s5fdx8vyxm7rvvgglqrgzb0a32)

```
PS D:\ghcr-demo> docker login ghcr.io
Authenticating with existing credentials... [Username: harikrishnamahato777]

Info → To Login with a different account, run 'docker Logout' followed by 'docker Login'

Login Succeeded
PS D:\ghcr-demo>
```

```
PS D:\ghcr-demo> docker push ghcr.io/harikrishnamahato777/ghcr-demo
Using default tag: latest
The push refers to repository [ghcr.io/harikrishnamahato777/ghcr-demo]
6b7b6c7061b7: Layer already exists
955a8478f9ac: Layer already exists
bca5d04786e1: Layer already exists
589002ba0eae: Layer already exists
3e2c181db1b0: Layer already exists
399d0898a94e: Layer already exists
6d397a54a185: Layer already exists
5e7756927bef: Layer already exists
b452bfdaa208: Pushed
e73d70805215: Pushed
latest: digest: sha256:186bff5c82ea1f4a3e55a379a1d32916a5ef50881f45e19929a8a029ed676634 size: 856
PS D:\ghcr-demo>
```

```

PS D:\ghcr-demo> docker push ghcr.io/harikrishnamahato777/ghcr-demo
Using default tag: latest
The push refers to repository [ghcr.io/harikrishnamahato777/ghcr-demo]
6b7b6c7061b7: Layer already exists
955a8478f9ac: Layer already exists
bca5d04786e1: Layer already exists
589002ba0eae: Layer already exists
3e2c181db1b0: Layer already exists
399d0898a94e: Layer already exists
6d397a54a185: Layer already exists
5e7756927bef: Layer already exists
b452bfdaa208: Pushed
e73d70805215: Pushed
latest: digest: sha256:186bff5c82ea1f4a3e55a379a1d32916a5ef50881f45e19929a8a029ed676634 size: 856
PS D:\ghcr-demo> docker pull ghcr.io/harikrishnamahato777/ghcr-demo
Using default tag: latest
latest: Pulling from harikrishnamahato777/ghcr-demo
Digest: sha256:186bff5c82ea1f4a3e55a379a1d32916a5ef50881f45e19929a8a029ed676634
Status: Image is up to date for ghcr.io/harikrishnamahato777/ghcr-demo:latest
ghcr.io/harikrishnamahato777/ghcr-demo:latest
PS D:\ghcr-demo> docker rmi ghcr.io/harikrishnamahato777/ghcr-demo
Untagged: ghcr.io/harikrishnamahato777/ghcr-demo:latest
Deleted: sha256:186bff5c82ea1f4a3e55a379a1d32916a5ef50881f45e19929a8a029ed676634
PS D:\ghcr-demo> docker pull ghcr.io/harikrishnamahato777/ghcr-demo
Using default tag: latest
latest: Pulling from harikrishnamahato777/ghcr-demo
e73d70805215: Pull complete
b452bfdaa208: Download complete
Digest: sha256:186bff5c82ea1f4a3e55a379a1d32916a5ef50881f45e19929a8a029ed676634
Status: Downloaded newer image for ghcr.io/harikrishnamahato777/ghcr-demo:latest

```

```

PS D:\ghcr-demo> docker run -p 8080:80 ghcr.io/harikrishnamahato777/ghcr-demo
/docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/
/docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-default.sh
10-listen-on-ipv6-by-default.sh: info: Getting the checksum of /etc/nginx/conf.d/default.conf
10-listen-on-ipv6-by-default.sh: info: Enabled listen on IPv6 in /etc/nginx/conf.d/default.conf
/docker-entrypoint.sh: Sourcing /docker-entrypoint.d/15-local-resolvers.envsh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.sh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-processes.sh
/docker-entrypoint.sh: Configuration complete; ready for start up
2026/02/20 19:23:26 [notice] 1#1: using the "epoll" event method
2026/02/20 19:23:26 [notice] 1#1: nginx/1.29.5
2026/02/20 19:23:26 [notice] 1#1: built by gcc 15.2.0 (Alpine 15.2.0)
2026/02/20 19:23:26 [notice] 1#1: OS: Linux 6.6.87.2-microsoft-standard-WSL2
2026/02/20 19:23:26 [notice] 1#1: getrlimit(RLIMIT_NOFILE): 1048576:1048576
2026/02/20 19:23:26 [notice] 1#1: start worker processes
2026/02/20 19:23:26 [notice] 1#1: start worker process 31
2026/02/20 19:23:26 [notice] 1#1: start worker process 32
2026/02/20 19:23:26 [notice] 1#1: start worker process 33
2026/02/20 19:23:26 [notice] 1#1: start worker process 34
2026/02/20 19:23:26 [notice] 1#1: start worker process 35
2026/02/20 19:23:26 [notice] 1#1: start worker process 36
2026/02/20 19:23:26 [notice] 1#1: start worker process 37
2026/02/20 19:23:26 [notice] 1#1: start worker process 38
2026/02/20 19:23:26 [notice] 1#1: start worker process 39
2026/02/20 19:23:26 [notice] 1#1: start worker process 40
2026/02/20 19:23:26 [notice] 1#1: start worker process 41
2026/02/20 19:23:26 [notice] 1#1: start worker process 42
172.17.0.1 - - [20/Feb/2026:19:23:57 +0000] "GET / HTTP/1.1" 200 176 "-" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/143.0.0.0 Safari/537.36" "-"
2026/02/20 19:23:57 [error] 31#31: *1 open() "/usr/share/nginx/html/favicon.ico" failed (2: No such file or directory), client: 172.17.0.1, server: localhost, request: "GET /favicon.ico HTTP/1.1", host: "localhost:8080", referer: "http://localhost:8080/"
172.17.0.1 - - [20/Feb/2026:19:23:57 +0000] "GET /favicon.ico HTTP/1.1" 404 555 "http://localhost:8080/" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/143.0.0.0 Safari/537.36" "-"


```

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ghcr-demoPrivate

Published 4 minutes ago by Hari Krishna Mahato

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OutPut from <http://localhost:8080/>

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localhost:8080

Personal

Hello GHCR From Docker

I Have Created this for learning purpose.