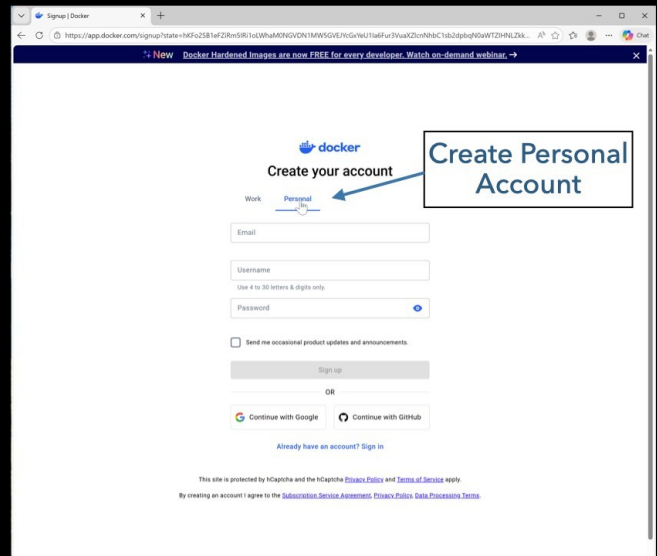
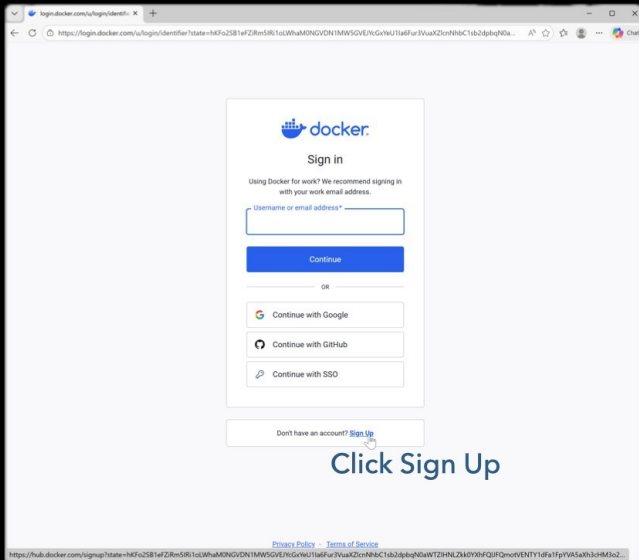
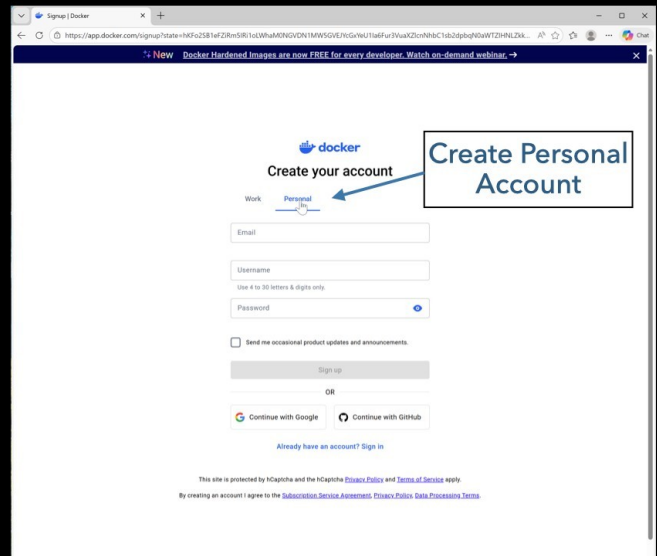
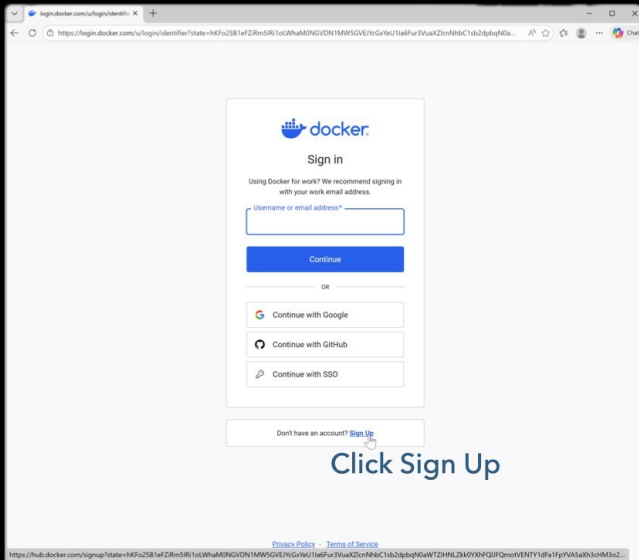


Create Personal Docker Account



Create Personal Docker Account

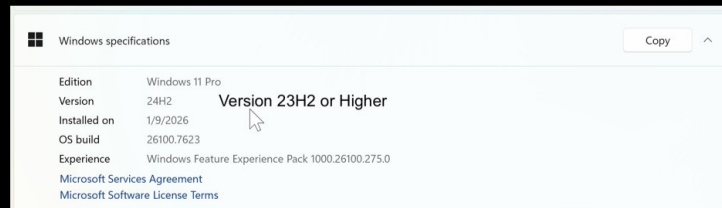


OpenHamClock

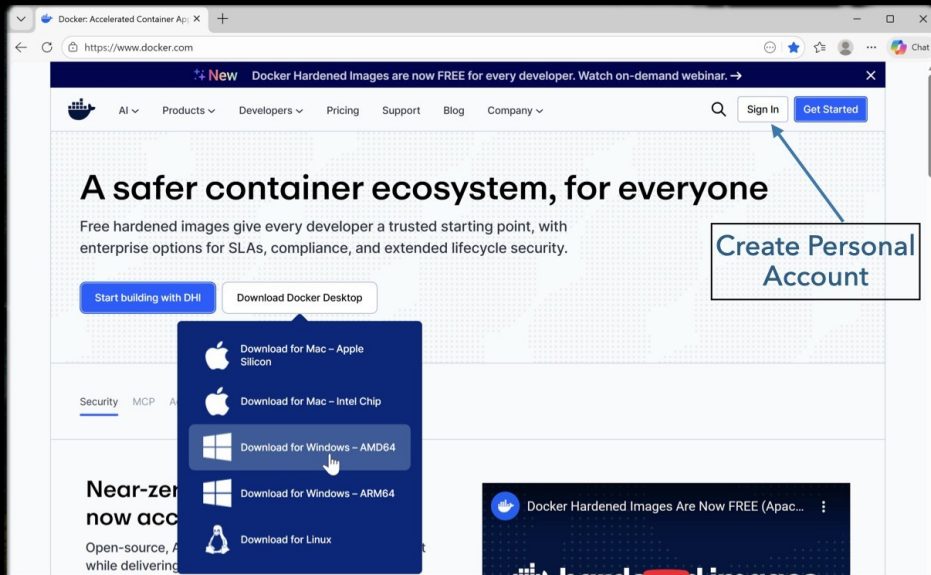
- It is a real-time amateur radio dashboard for the modern operator.
 - OpenHamClock brings DX cluster spots, space weather, propagation predictions, POTA activations, PSKReporter, satellite tracking, WSJT-X integration, and more into a web browser interface.
 - OpenHamClock is a native Linux application that can be made to run on Windows and macOS with the help of Docker Desktop.
 - Once installed you can open it in a web browser on any computer on your home WiFi network.
 - You can also run it from the cloud at <https://openhamclock.com/>
-

Docker Desktop

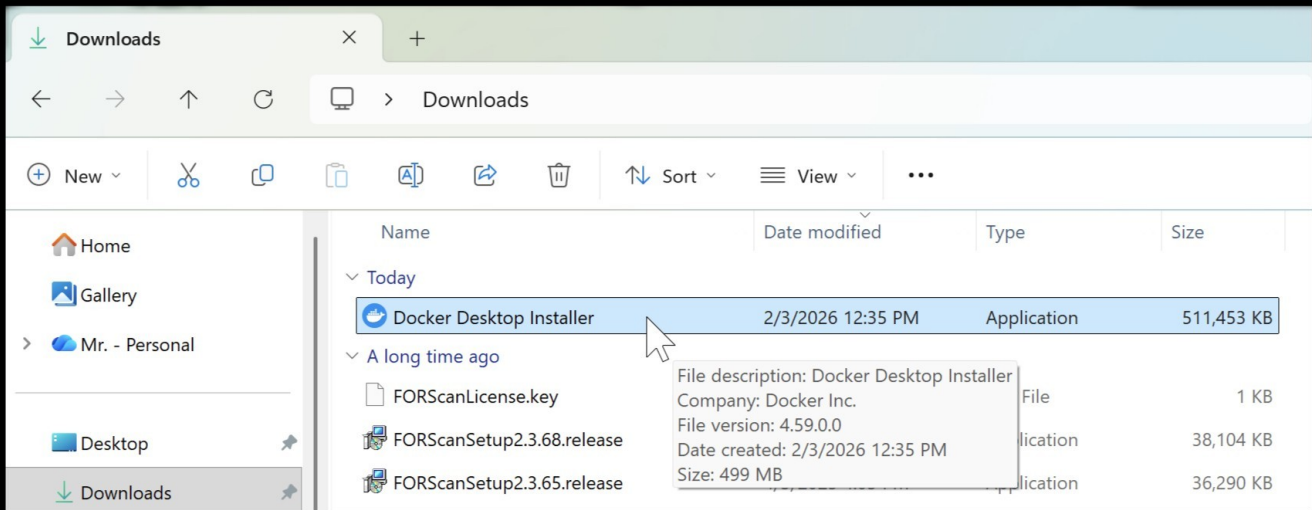
- Docker Desktop is industry standard containerized virtualization software that allows you to run native Linux software on Windows and macOS.
- Docker Desktop is free for personal use.
- You can download Docker Desktop here: <https://www.docker.com>
- You will also need to create a Personal account.



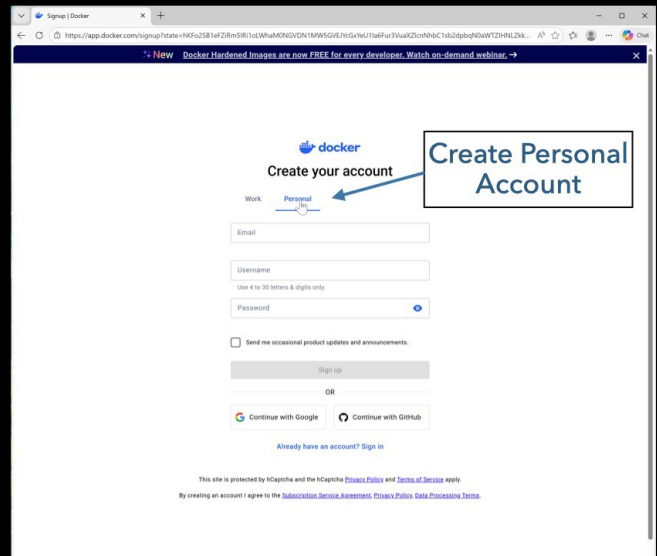
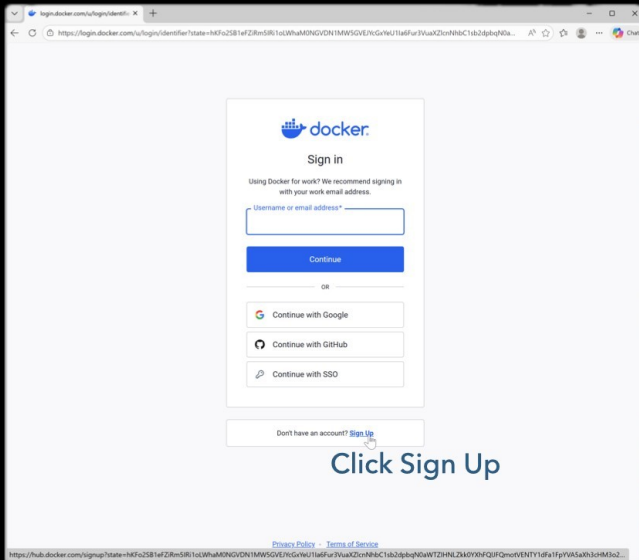
Docker Download



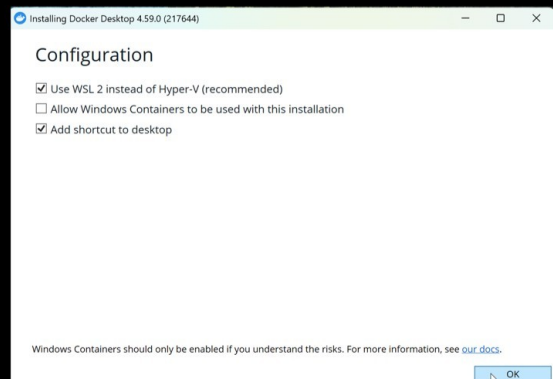
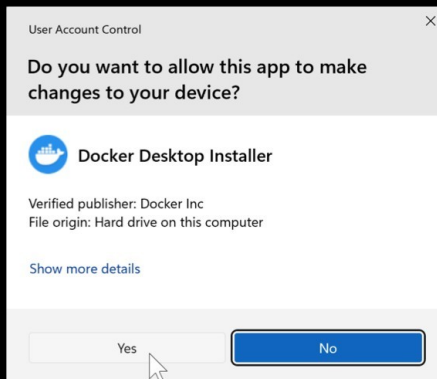
Run Docker Desktop Installer



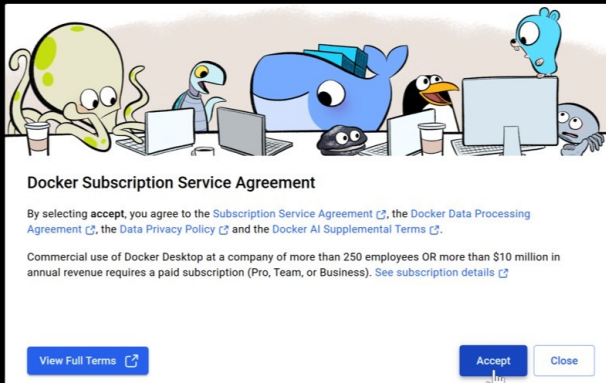
Create Personal Docker Account



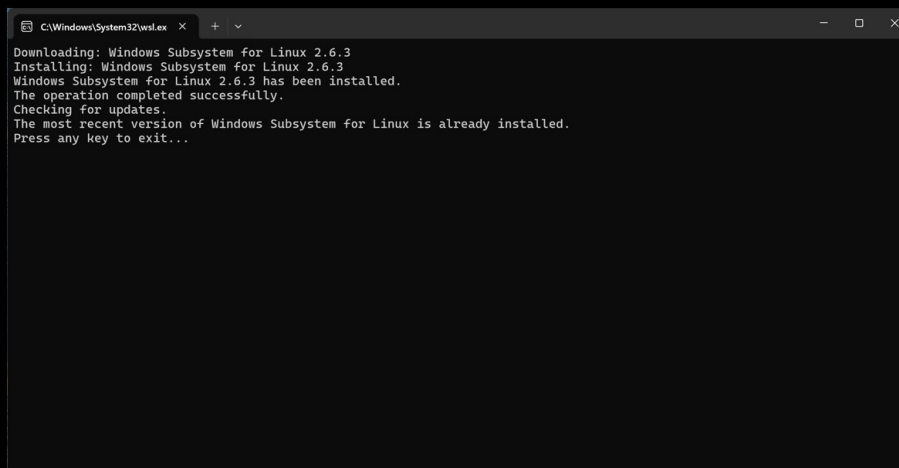
Allow Change & Default Configuration



Starting Docker Desktop the First Time

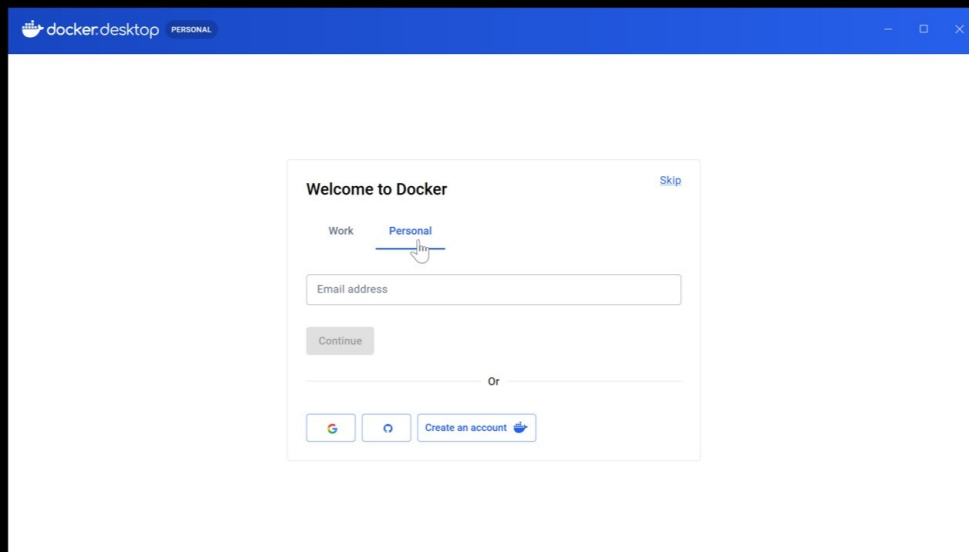


Starting Docker Desktop the First Time



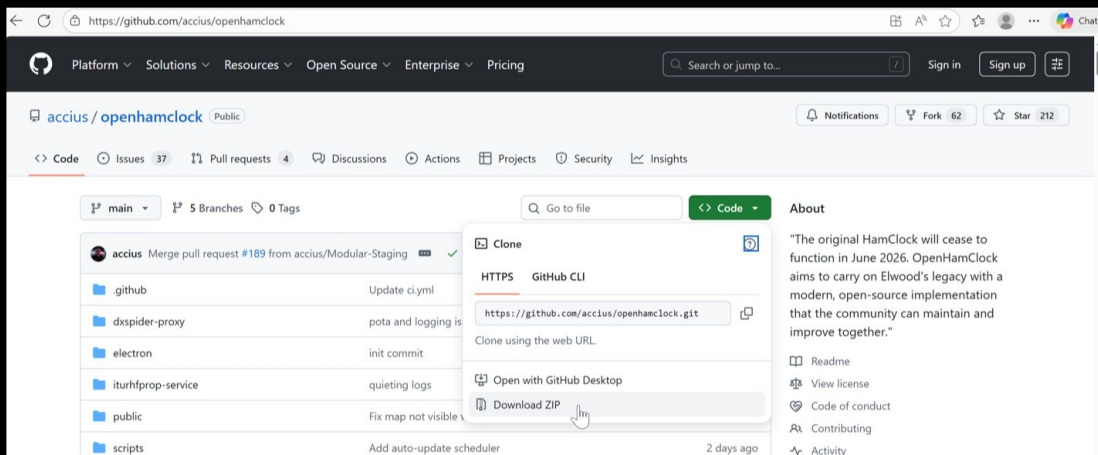
```
C:\Windows\System32\wsl.exe
Downloading: Windows Subsystem for Linux 2.6.3
Installing: Windows Subsystem for Linux 2.6.3
Windows Subsystem for Linux 2.6.3 has been installed.
The operation completed successfully.
Checking for updates.
The most recent version of Windows Subsystem for Linux is already installed.
Press any key to exit...
```

Starting Docker Desktop the First Time

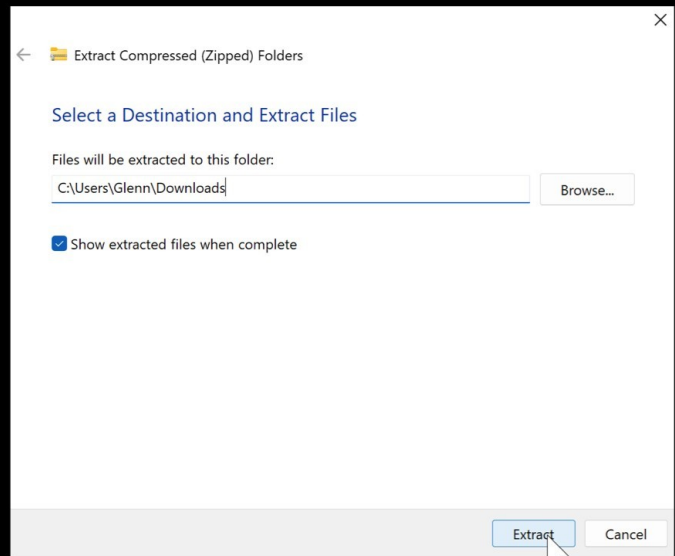
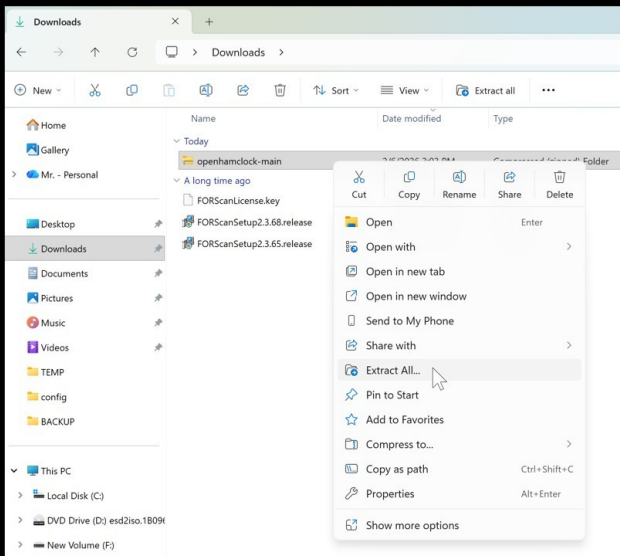


Download OpenHamClock Zip File

<https://github.com/accius/openhamclock>



Extract Zip File to Downloads



Open Docker Desktop

The screenshot shows the Docker Desktop interface. The 'Containers' tab is active, displaying a table of running containers. Below the table, a terminal window is open, showing a command prompt. Two blue arrows with text annotations point to the terminal window and the command prompt.

Name	Container ID	Image	Port(s)	CPU (%)	Memory usage...	Memory (%)	Disk read/w	Actions
DominoTraveler1.4.5	4bd406a74058	traveler-container	110.110 Show all ports (18)	0%	0B / 0B	0%	0B / 0B	▶ ⋮ 🗑️
filebrowser	d47911de354c	filebrowser/filebr	8080.80 C	0%	30.83MB / 7.65Gi	0.39%	17.1MB / 16	▶ ⋮ 🗑️

Terminal

```
spunky@Glenns-M1-Rac-RLN1: openhamcLock-main %
```

2. cd C:\Path\To\Downloads\openhamcLock-main

1. Click on Terminal to open CMD prompt inside Docker

Terminal v4.59.1

Install OpenHamClock in Docker Desktop

Command #1: `docker build -t openhamclock .`

The screenshot shows the Docker Desktop interface. The left sidebar contains navigation options: Ask Gordon, Containers, Images, Volumes, Kubernetes, Builds, Models, MCP Toolkit, Docker Hub, Docker Scout, and Extensions. The main area displays 'Containers' with a search bar and a table of running containers. The table has columns for Name, Container ID, Image, Port(s), CPU (%), Memory usage..., Memory (%), Disk read/w, and Actions. One container named 'filebrowser' is running, using 30.82MB of memory (0.39%) and 17.1MB of disk space. Below the table is a terminal window showing the output of a Docker build command. The logs indicate a successful build of the 'openhamclock' image, including steps for copying files, installing dependencies, and exporting the image to a local library.

Name	Container ID	Image	Port(s)	CPU (%)	Memory usage...	Memory (%)	Disk read/w	Actions
DominoTraveler14.5	4bd406a74058	travelercontainer	110.110	0%	0B / 0B	0%	0B / 0B	[stop] [refresh] [delete]
filebrowser	d47911de354c	filebrowser/filebr	8080.80 CT	0%	30.82MB / 7.65Gi	0.39%	17.1MB / 16	[stop] [refresh] [delete]

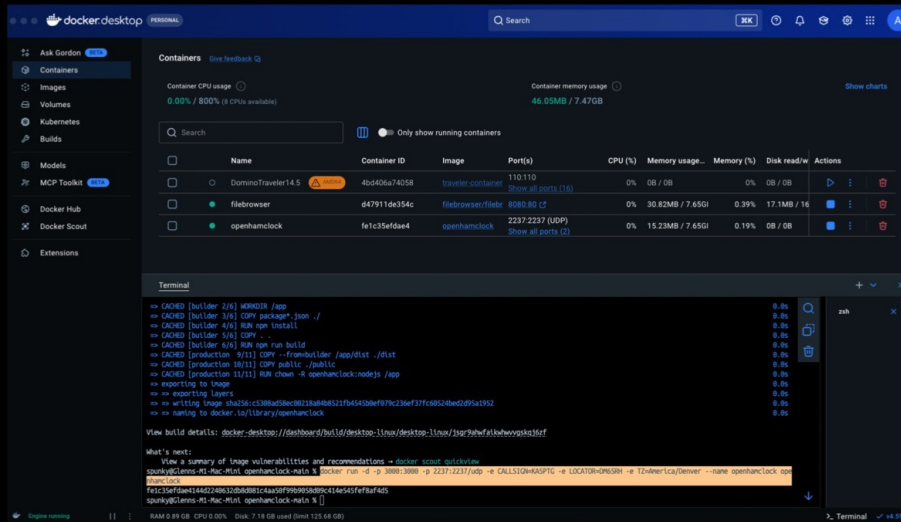
```
==> CACHED [production 4/11] COPY server.js ./
==> CACHED [production 7/11] COPY config.js ./
==> CACHED [production 8/11] COPY wsjtx-relay ./wsjtx-relay
==> CACHED [builder 3/6] WORKDIR /app
==> CACHED [builder 3/6] COPY package*.json ./
==> CACHED [builder 4/6] RUN npm install
==> CACHED [builder 6/6] RUN npm run build
==> CACHED [production 9/11] COPY --from=builder /app/dist ./dist
==> CACHED [production 10/11] COPY public ./public
==> CACHED [production 11/11] RUN chown -R openhamclock:nodejs /app
==> exporting to image
==> writing image sha256:c5388ad38e0218a488521fb45450de4f97c236ef37f608524bd2d95a1952
==> naming to docker.io/library/openhamclock

View build details: docker-desktop://dashboard/build/desktop.linux/desktop.linux/9ahwfa1bahevvyskq16sf

What's next:
View a summary of image vulnerabilities and recommendations -> docker scout quickview
spunky@Glenns-M1-Mac-M1n1 openhamclock-main %
```

Install OpenHamClock in Docker Desktop

Command #2: `docker run -d -p 3000:3000 -p 2237:2237/udp -e CALLSIGN=KA5PTG -e LOCATOR=DM65RH -e TZ=America/Denver --name openhamclock openhamclock`



Get IP Address of your PC

Command: ipconfig

```
Command Prompt
Microsoft Windows [Version 10.0.26100.7623]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Glenn>ipconfig

Windows IP Configuration

Ethernet adapter Ethernet:

    Connection-specific DNS Suffix  . : 
    IPv6 Address. . . . . : fd43:e4fe:ed1:4731:d87:97d6:c471:5284
    Temporary IPv6 Address. . . . . : fd43:e4fe:ed1:4731:f4fa:5181:a8bf:31e9
    Link-local IPv6 Address . . . . . : fe80::7184:1152:d14b:783f%19
    IPv4 Address. . . . . : 10.13.13.246
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 10.13.13.1

Ethernet adapter vEthernet (Default Switch):

    Connection-specific DNS Suffix  . : 
    Link-local IPv6 Address . . . . . : fe80::855a:490:4c12:e209%20
    IPv4 Address. . . . . : 172.27.112.1
    Subnet Mask . . . . . : 255.255.240.0
    Default Gateway . . . . . : 

C:\Users\Glenn>
```