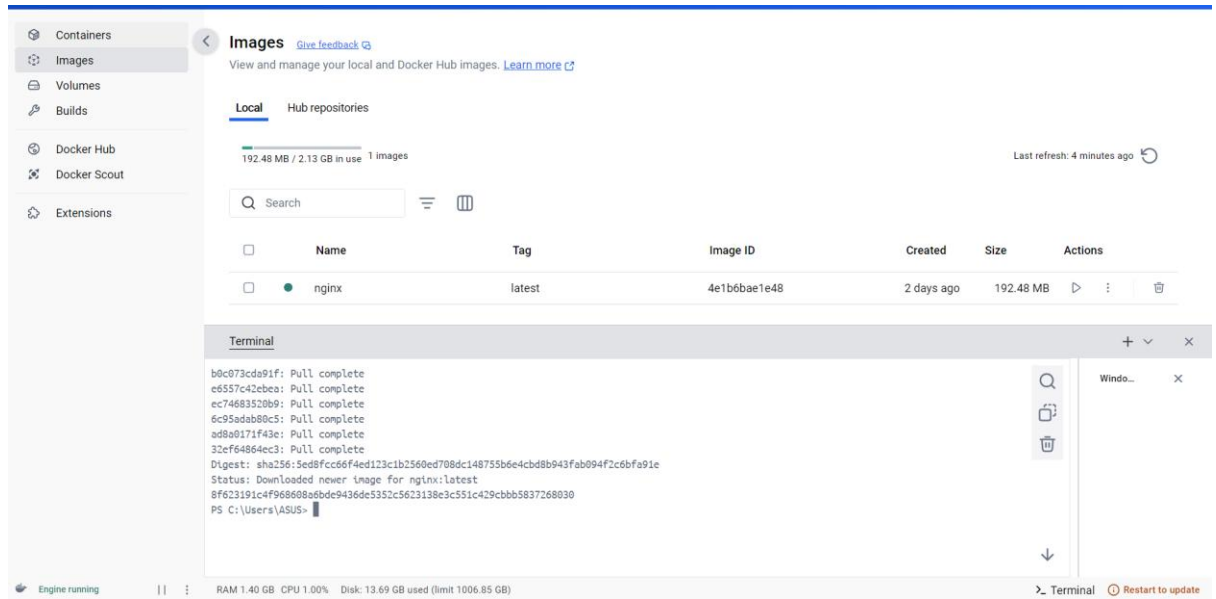1. Docker Networking & Port Binding:-

http://localhost:8081:-

Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.

Thank you for using nginx.

Network Creation:-

Preparing to unpack .../09-bind9-dnsutils_1%3a9.18.33-1~deb12u2_amd64.deb ...
Unpacking bind9-dnsutils (1:9.18.33-1~deb12u2) ...
Selecting previously unselected package dnsutils.
Preparing to unpack .../10-dnsutils_1%3a9.18.33-1~deb12u2_all.deb ...
Unpacking dnsutils (1:9.18.33-1~deb12u2) ...
Setting up liblmdb0:amd64 (0.9.24-1) ...
Setting up libmaxminddb0:amd64 (1.7.1-1) ...
Setting up libfstrm0:amd64 (0.6.1-1) ...
Setting up libjemalloc2:amd64 (5.3.0-1) ...
Setting up libprotobuf-c1:amd64 (1.4.1-1+b1) ...
Setting up libuv1:amd64 (1.44.2-1+deb12u1) ...
Setting up libjson-c5:amd64 (0.16-2) ...
Setting up bind9-libs:amd64 (1:9.18.33-1~deb12u2) ...
Setting up bind9-host (1:9.18.33-1~deb12u2) ...
Setting up bind9-dnsutils (1:9.18.33-1~deb12u2) ...
Setting up dnsutils (1:9.18.33-1~deb12u2) ...
Processing triggers for libc-bin (2.36-9+deb12u10) ...
root@5c1324866528:/#

2. Persistent Storage:-


PS C:\Users\ASUS> docker volume create my_data
my_data
PS C:\Users\ASUS> docker run -d --name volume-nginx -v my_data:/usr/share/nginx/html nginx
0981ca949970a09f9ab095d92b2c9cac02b88b71ff773763d30c69dbf15a8a47
PS C:\Users\ASUS> docker exec -it volume-nginx bash
echo "Persistent Data" > /usr/share/nginx/html/index.html
exit
root@0981ca949970:/# echo "Persistent Data" > /usr/share/nginx/html/index.html
root@0981ca949970:/# exit
exit

What's next:
    Try Docker Debug for seamless, persistent debugging tools in any container or image →docker debug volume-nginx
    Learn more at https://docs.docker.com/go/debug-cli/
PS C:\Users\ASUS> docker rm -f volume-nginx
volume-nginx
PS C:\Users\ASUS> docker run -d --name volume-test -v my_data:/usr/share/nginx/html nginx
47e234081e638628304233a0cb7cb19970e22f7ebb2ccce36bef82fe0ffc1274
PS C:\Users\ASUS>
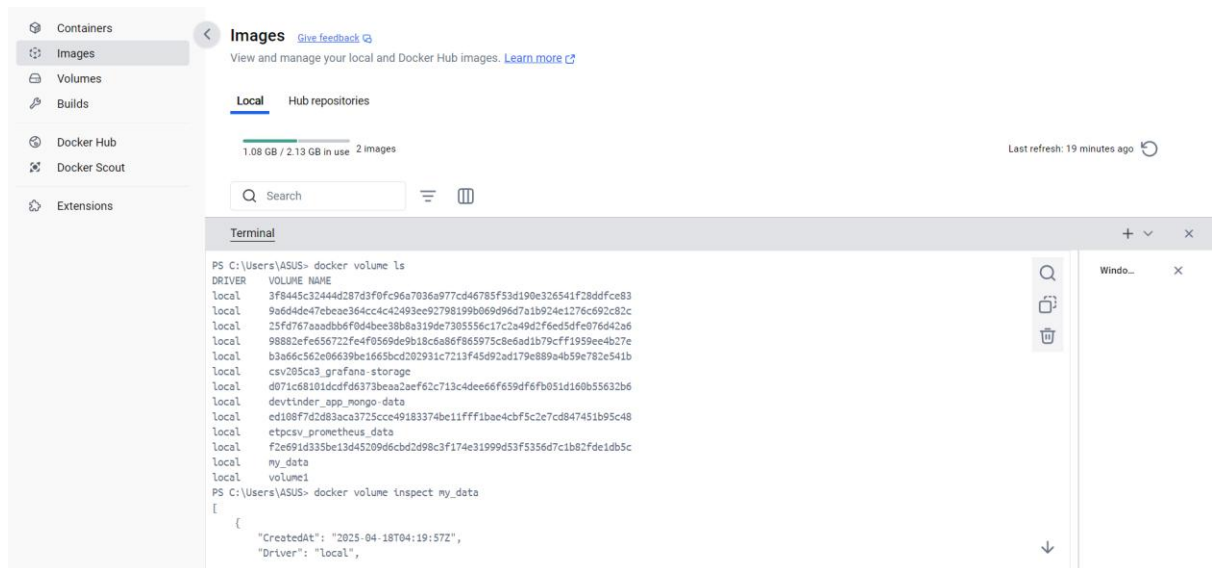
Docker Linking or Monitoring:-
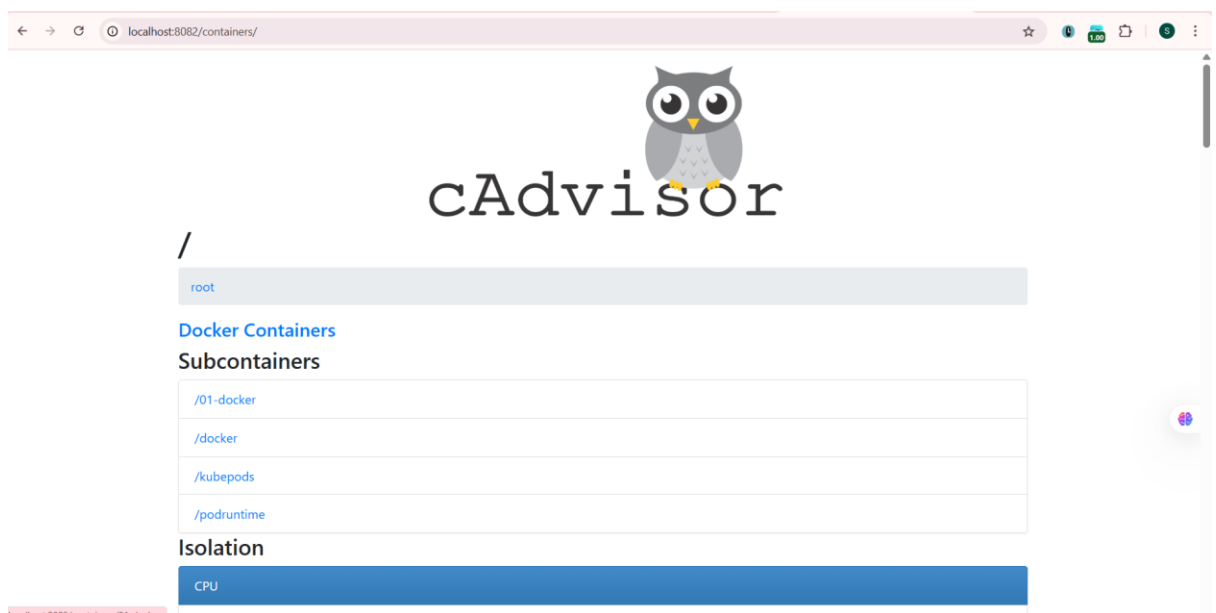
3. Docker Hub & Publishing Images:-

```
1
2    FROM nginx
3
4    COPY index.html /usr/share/nginx/html/index.html
5
```


Repositories

All repositories within the **12207441** namespace.

Search by repository name   All content   **Create a repository**

Name	Last Pushed ↑	Contains	Visibility	Scout
12207441/web_1234	3 days ago	IMAGE	Public	Inactive
12207441/two-tier-backend	7 days ago	IMAGE	Public	Inactive
12207441/my-docker-app	14 days ago	IMAGE	Public	Inactive
12207441/mysql	about 1 month ago	IMAGE	Public	Inactive
12207441/alpine-a	about 1 month ago	IMAGE	Public	Inactive
12207441/getting-started-todo-app	about 2 months ago	IMAGE	Public	Inactive
12207441/apache-ubuntu	about 2 months ago	IMAGE	Public	Inactive
12207441/lpu	over 1 year ago ⚠	IMAGE	Public	Inactive

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