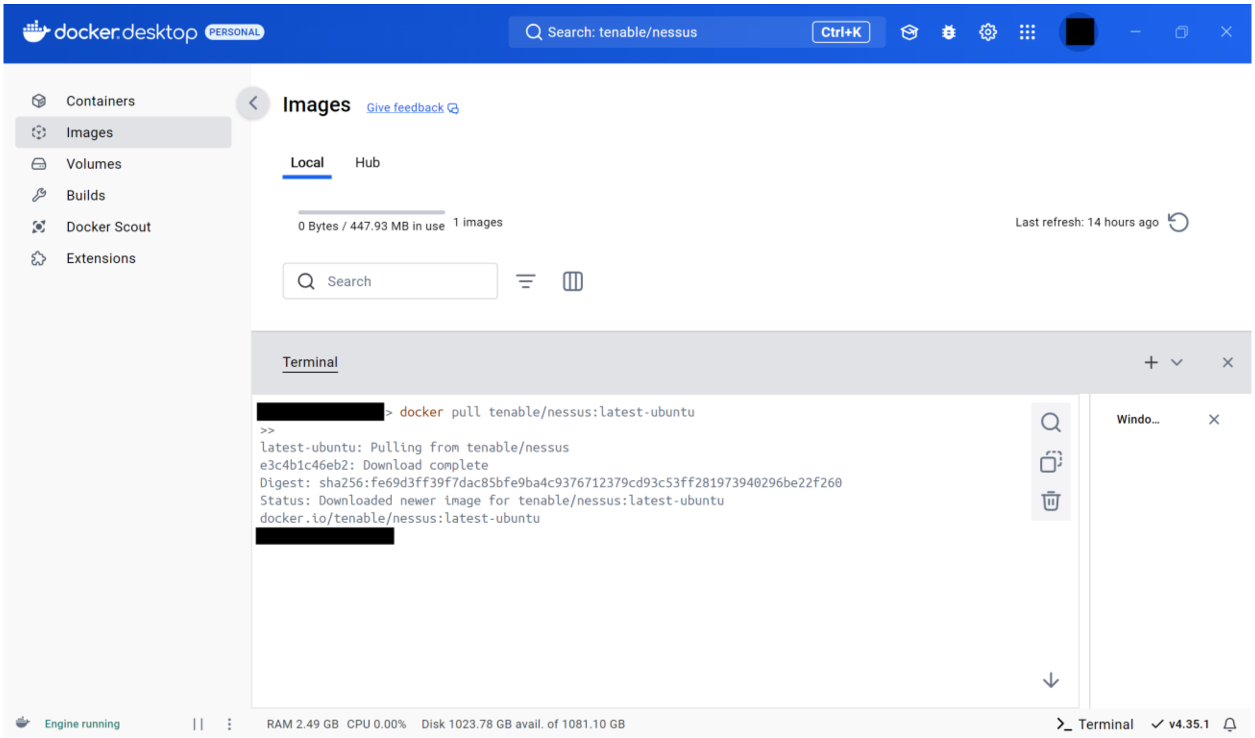
Running Nessus in Docker

Project:

In this project, I set up an instance of Nessus in Docker and then conducted host discovery and vulnerability scans of a LAN.

Pull the Nessus Docker Image:

I pulled the Nessus Docker image from Docker Hub, specifying the latest Ubuntu version.



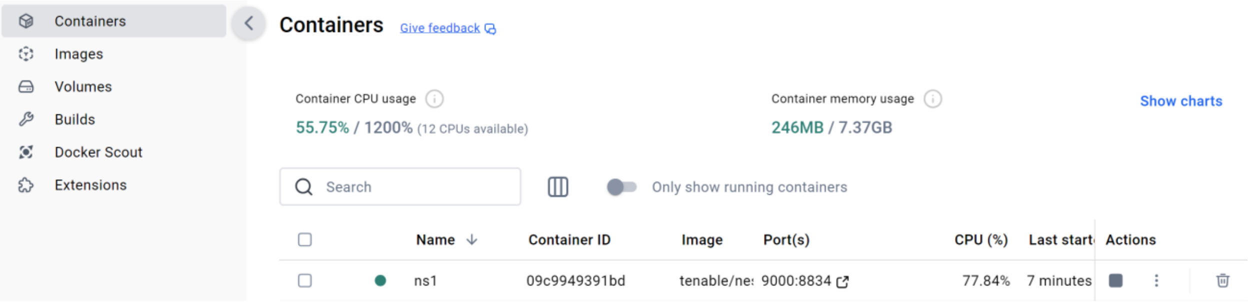
```
[redacted]> docker pull tenable/nessus:latest-ubuntu
>>
latest-ubuntu: Pulling from tenable/nessus
e3c4b1c46eb2: Download complete
Digest: sha256:fe69d3ff39f7dac85bfe9ba4c9376712379cd93c53ff281973940296be22f260
Status: Downloaded newer image for tenable/nessus:latest-ubuntu
docker.io/tenable/nessus:latest-ubuntu
[redacted]
```

Create and Run the Docker Container:

I used the --name command to name the container “ns1”, the -p command to map the container port 8834 to my machine’s port 9000, and the -d command to run the container in detached mode.

```
docker run --name ns1 -p 9000:8834 -d tenable/nessus:latest-ubuntu
```

Container with Live Nessus Instance:



Containers

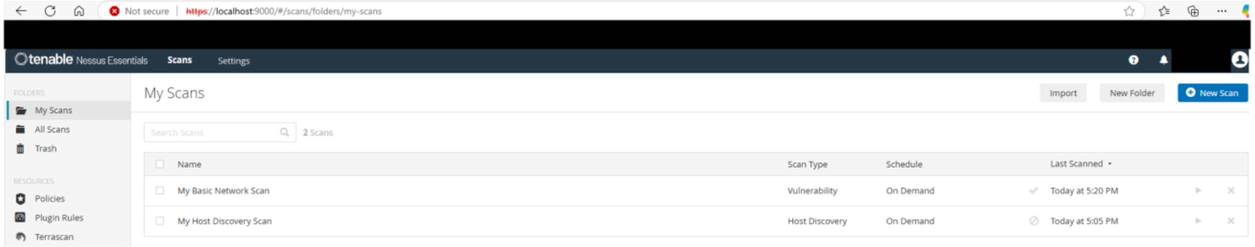
Container CPU usage
55.75% / 1200% (12 CPUs available)

Container memory usage
246MB / 7.37GB

□		Name ↓	Container ID	Image	Port(s)	CPU (%)	Last start	Actions
□	●	ns1	09c9949391bd	tenable/ne:	9000:8834	77.84%	7 minutes	

Connecting to the Nessus Web Interface and Performing Scans:

I accessed the Nessus web interface by opening a web browser and navigating to https://localhost:9000. I then ran a host discovery and network vulnerability scan to ensure the software was functioning properly, which it was.



https://localhost:9000/#/scans/folders/my-scans

[redacted]

My Scans

2 Scans

□	Name	Scan Type	Schedule		Last Scanned
□	My Basic Network Scan	Vulnerability	On Demand	✓	Today at 5:20 PM
□	My Host Discovery Scan	Host Discovery	On Demand	⊘	Today at 5:05 PM

Conclusion:

In this project I pulled a Nessus Docker image from Docker Hub, I then created a container using said image and ran the container. I then accessed the Nessus web interface by opening a web browser and navigating to https://localhost:9000 and ran a couple of basic scans to make sure the instance was functioning properly.