

Docker Info:

C:\Users\Rushikesh>docker info

Client:

Version: 24.0.6

Context: default

Debug Mode: false

Plugins:

buildx: Docker Buildx (Docker Inc.)

Version: v0.11.2-desktop.5

Path: C:\Program Files\Docker\cli-plugins\docker-buildx.exe

compose: Docker Compose (Docker Inc.)

Version: v2.22.0-desktop.2

Path: C:\Program Files\Docker\cli-plugins\docker-compose.exe

dev: Docker Dev Environments (Docker Inc.)

Version: v0.1.0

Path: C:\Program Files\Docker\cli-plugins\docker-dev.exe

extension: Manages Docker extensions (Docker Inc.)

Version: v0.2.20

Path: C:\Program Files\Docker\cli-plugins\docker-extension.exe

init: Creates Docker-related starter files for your project (Docker Inc.)

Version: v0.1.0-beta.8

Path: C:\Program Files\Docker\cli-plugins\docker-init.exe

sbom: View the packaged-based Software Bill Of Materials (SBOM) for an image (Anchore Inc.)

Version: 0.6.0

Path: C:\Program Files\Docker\cli-plugins\docker-sbom.exe

scan: Docker Scan (Docker Inc.)

Version: v0.26.0

Path: C:\Program Files\Docker\cli-plugins\docker-scan.exe

scout: Docker Scout (Docker Inc.)

Version: v1.0.7

Path: C:\Program Files\Docker\cli-plugins\docker-scout.exe

Server:

Containers: 0

Running: 0

Paused: 0

Stopped: 0

Images: 0

Server Version: 24.0.6

Storage Driver: overlay2

Backing Filesystem: extfs

Supports d_type: true

Using metacopy: false

Native Overlay Diff: true

userxattr: false

Logging Driver: json-file

Cgroup Driver: cgroupfs

Cgroup Version: 1

Plugins:

Volume: local
Network: bridge host ipvlan macvlan null overlay
Log: awslogs fluentd gcplogs gelf journald json-file local logentries
splunk syslog
Swarm: inactive
Runtimes: io.containerd.runc.v2 runc
Default Runtime: runc
Init Binary: docker-init
containerd version: 8165feabfdfe38c65b599c4993d227328c231fca
runc version: v1.1.8-0-g82f18fe
init version: de40ad0
Security Options:
 seccomp
 Profile: unconfined
Kernel Version: 5.10.16.3-microsoft-standard-WSL2
Operating System: Docker Desktop
OSType: linux
Architecture: x86_64
CPUs: 16
Total Memory: 3.677GiB
Name: docker-desktop
ID: b239da2d-541a-4f99-bdeb-dffa71dcb0cb
Docker Root Dir: /var/lib/docker
Debug Mode: false
HTTP Proxy: http.docker.internal:3128
HTTPS Proxy: http.docker.internal:3128
No Proxy: hubproxy.docker.internal
Experimental: false
Insecure Registries:
 hubproxy.docker.internal:5555
 127.0.0.0/8
Live Restore Enabled: false

WARNING: No blkio throttle.read_bps_device support
WARNING: No blkio throttle.write_bps_device support
WARNING: No blkio throttle.read_iops_device support
WARNING: No blkio throttle.write_iops_device support
WARNING: daemon is not using the default seccomp profile

Pull Docker Image:

```
C:\Users\Rushikesh>docker pull alpine
Using default tag: latest
latest: Pulling from library/alpine
96526aa774ef: Pull complete
Digest:
sha256:eece025e432126ce23f223450a0326fbbebde39cdf496a85d8c016293fc851978
Status: Downloaded newer image for alpine:latest
docker.io/library/alpine:latest
```

What's Next?

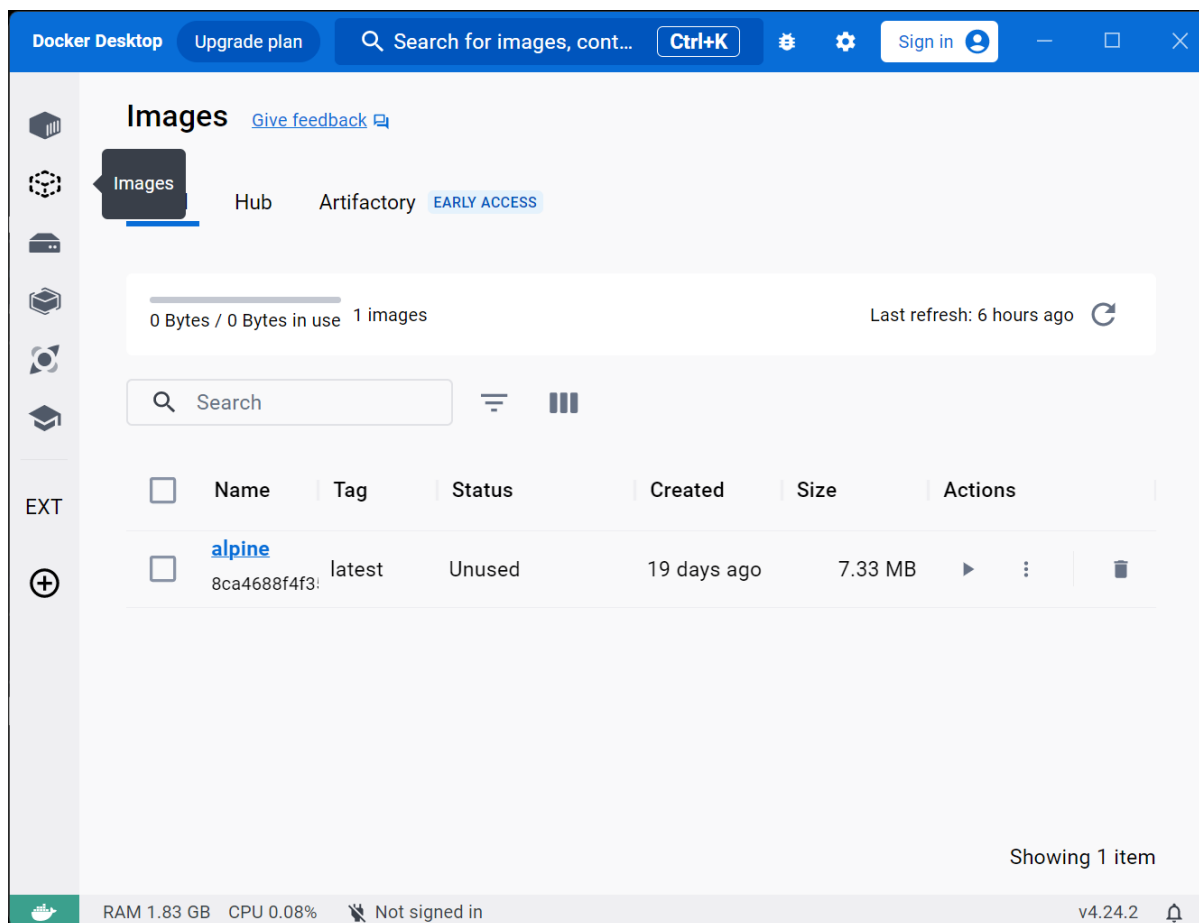
1. Sign in to your Docker account → `docker login`
2. View a summary of image vulnerabilities and recommendations → `docker scout quickview alpine`

List Docker images:

```
C:\Users\Rushikesh>docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
alpine	latest	8ca4688f4f35	2 weeks ago	7.34MB

Docker GUI:



Run Docker Image:

```
C:\Users\Rushikesh>docker run alpine sh
```

List All Docker Containers:

```
C:\Users\Rushikesh>docker ps -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS
1e9f23c47e93	alpine	"sh"	16 seconds ago	Exited (0) 16 seconds ago
	unruffled_newton			

Run a Detached Docker container

```
C:\Users\Rushikesh>docker run -d -it alpine sh
```

```
f94e4616b8d4e66bffd670f2968b420e5757fccb8308b9e57358f21b3dcca4
```

```
C:\Users\Rushikesh>docker ps -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS
f94e4616b8d4	alpine	"sh"	22 seconds ago	Up 21 seconds
nifty_golick				
1e9f23c47e93	alpine	"sh"	2 minutes ago	Exited (0) 2 minutes ago
	unruffled_newton			

Start Interactive Session with Docker Container:

```
C:\Users\Rushikesh>docker run -it alpine sh
```

```
/ # ls
```

```
bin    etc    lib    mnt    proc   run    srv    tmp    var
dev    home   media  opt    root   sbin   sys    usr
```

```
/ # exit
```

```
C:\Users\Rushikesh>docker ps -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS
bd64834a4f30	alpine	"sh"	52 seconds ago	Exited (0) 40 seconds ago
		great_jennings		
f94e4616b8d4	alpine	"sh"	2 minutes ago	Up 2 minutes
nifty_golick				
1e9f23c47e93	alpine	"sh"	4 minutes ago	Exited (0) 4 minutes ago
	unruffled_newton			

Create Named Container

```
C:\Users\Rushikesh>docker run -it --name=RushWorld alpine sh
```

```
/ #
```

```
C:\Users\Rushikesh>docker ps -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS
6fa80f8a4435	alpine	"sh"	38 seconds ago	Up 37 seconds
RushWorld				
bd64834a4f30	alpine	"sh"	2 minutes ago	Exited (0) 2 minutes ago
great_jennings				
f94e4616b8d4	alpine	"sh"	4 minutes ago	Up 4 minutes
nifty_golick				
1e9f23c47e93	alpine	"sh"	6 minutes ago	Exited (0) 6 minutes ago
unruffled_newton				

Stop a Docker Container:

```
C:\Users\Rushikesh>docker stop RushWorld
RushWorld
```

```
C:\Users\Rushikesh>docker ps -a
```

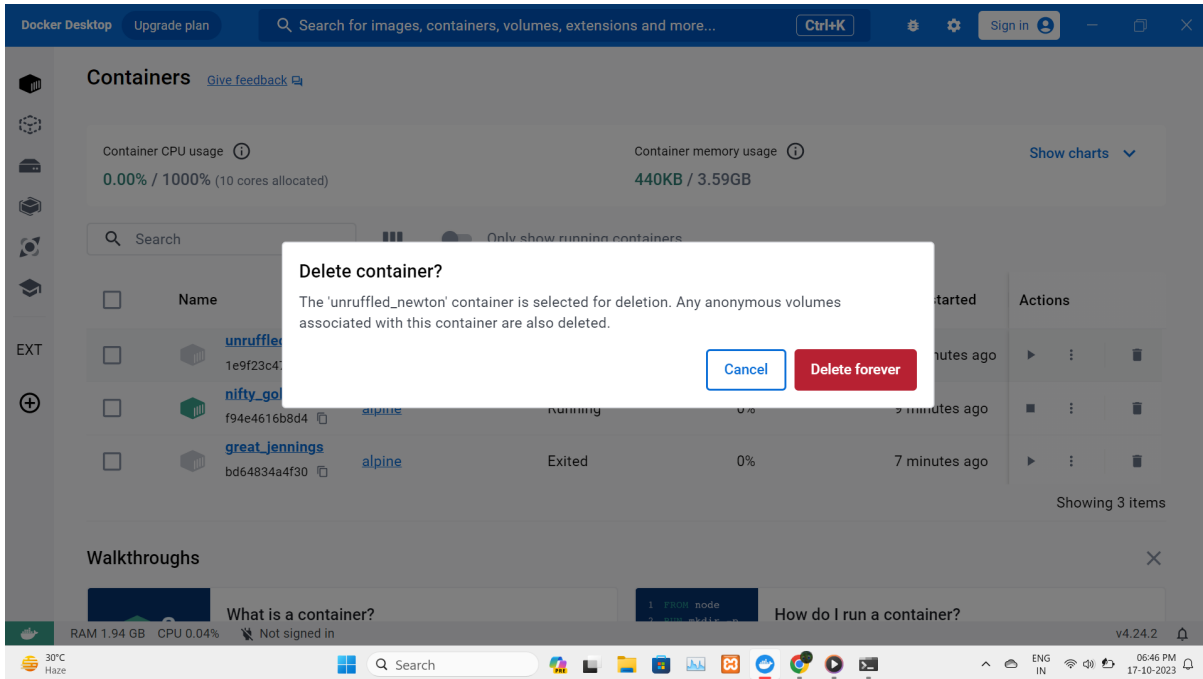
CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS
6fa80f8a4435	alpine	"sh"	2 minutes ago	Exited (137) 10 seconds ago
RushWorld				
bd64834a4f30	alpine	"sh"	4 minutes ago	Exited (0) 4 minutes ago
great_jennings				
f94e4616b8d4	alpine	"sh"	6 minutes ago	Up 6 minutes
nifty_golick				
1e9f23c47e93	alpine	"sh"	8 minutes ago	Exited (0) 8 minutes ago
unruffled_newton				

Remove a Docker Container:

```
C:\Users\Rushikesh>docker rm RushWorld
RushWorld
```

```
C:\Users\Rushikesh>docker ps -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS
bd64834a4f30	alpine	"sh"	5 minutes ago	Exited (0) 5 minutes ago
great_jennings				
f94e4616b8d4	alpine	"sh"	7 minutes ago	Up 7 minutes
nifty_golick				
1e9f23c47e93	alpine	"sh"	9 minutes ago	Exited (0) 9 minutes ago
unruffled_newton				



Remove Docker Image:

```
C:\Users\Rushikesh>docker rmi -f alpine
```

```
Untagged: alpine:latest
```

```
Untagged:
```

```
alpine@sha256:eece025e432126ce23f223450a0326fbebde39cdf496a85d8c016293fc851978
```

```
Deleted:
```

```
sha256:8ca4688f4f356596b5ae539337c9941abc78eda10021d35cbc52659c74d9b443
```

```
Deleted:
```

```
sha256:cc2447e1835a40530975ab80bb1f872fbab0f2a0faecf2ab16fbbb89b3589438
```

