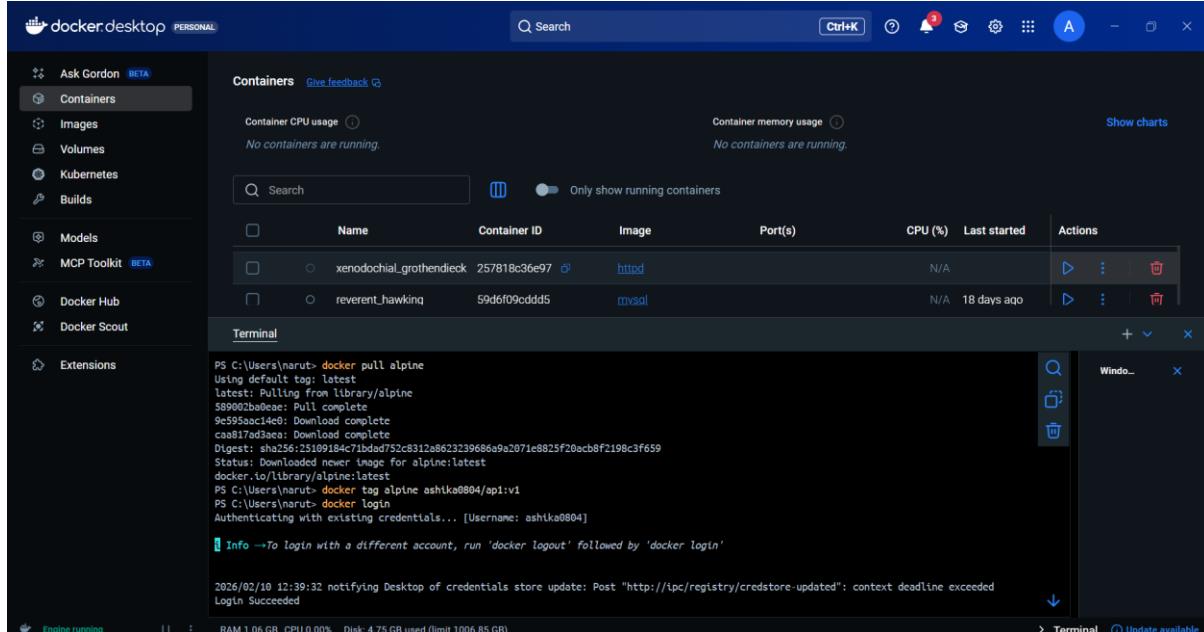


TASK-05

Demonstrate how to pull a Docker image, tag it, push it to Docker Hub, and create a new image by installing software inside a running container. Also verify the installed software and save the changes using Docker commit.



```
PS C:\Users\narut> docker pull alpine
Using default tag: latest
latest: Pulling from library/alpine
589002ba0eac: Pull complete
9e595aac14e0: Download complete
caa817ad3ae: Download complete
Digest: sha256:25109184c71bdad752c8312a8623239686a9a2071e8825f20acb8f2198c3f659
Status: Downloaded newer image for alpine:latest
docker.io/library/alpine:latest
PS C:\Users\narut> docker tag alpine ashika0804/api:v1
PS C:\Users\narut> docker login
Authenticating with existing credentials... [Username: ashika0804]

Info --To login with a different account, run 'docker logout' followed by 'docker login'

2026/02/10 12:39:32 notifying Desktop of credentials store update: Post "http://ipc/registry/credstore-updated": context deadline exceeded
Login Succeeded
```

```
PS C:\Users\narut> docker push ashika0804/api:v1
The push refers to repository [docker.io/ashika0804/api]
589002ba0eac: Mounted from library/alpine
v1: digest: sha256:59855d3dceb3ae53991193bd03301e082b2a7faa56a514b03527ae0ec2ce3a95 size: 1022

Info --Not all multiplatform-content is present and only the available single-platform image was pushed
sha256:25109184c71bdad752c8312a8623239686a9a2071e8825f20acb8f2198c3f659 -> sha256:59855d3dceb3ae53991193bd03301e082b2a7faa56a514b03527a
e0ec2ce3a95
PS C:\Users\narut> docker run -it --name ab ashika0804/api:v1
/ # apk update
v3.23.3-77-g7432f520ff4 [https://dl-cdn.alpinelinux.org/alpine/v3.23/main]
v3.23.3-77-g7432f520ff4 [https://dl-cdn.alpinelinux.org/alpine/v3.23/community]
OK: 27572 distinct packages available
/ # apk add php
(1/9) Installing php84-common (8.4.17-r0)
(2/9) Installing argon2-libs (20190702-r5)
(3/9) Installing ncurses-terminfo-base (6.5_p20251123-r0)
(4/9) Installing libncursesw (6.5_p20251123-r0)
Executing busybox-1.37.0-r30.trigger
OK: 18.7 MiB in 25 packages
```

Step 1: Pull Alpine Linux Image

Step 2: Tag the Alpine Image

Step 3: Login to Docker Hub

Step 4: Push the Image to Docker Hub

Step 5: Run the Image Interactively

Step 6: Update Package Index Inside Container

Step 7: Install PHP Inside Container

Step 8: Verify PHP Installation

Step 9: Exit the Container

Step 10: Commit Container Changes to a New Image