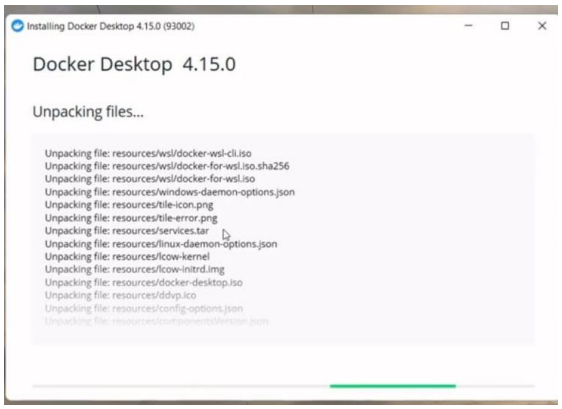
Practical No. 8

Aim: Installing and Configuring Dockers in localhost and running multiple images on a Docker Platform.

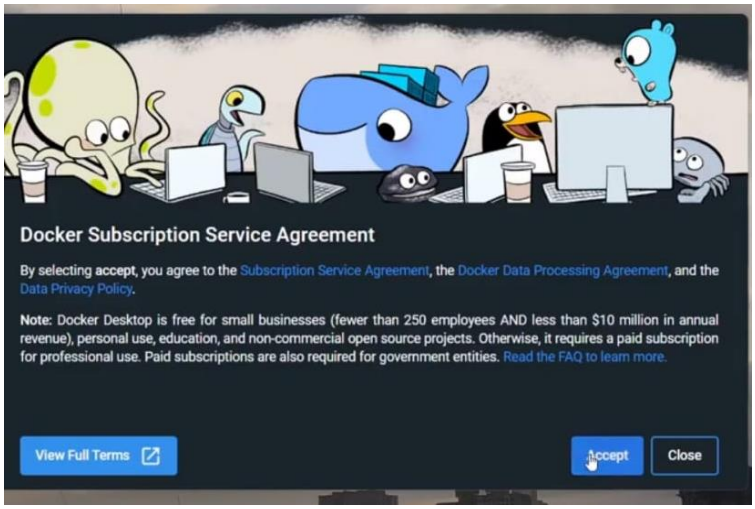
Implementation:

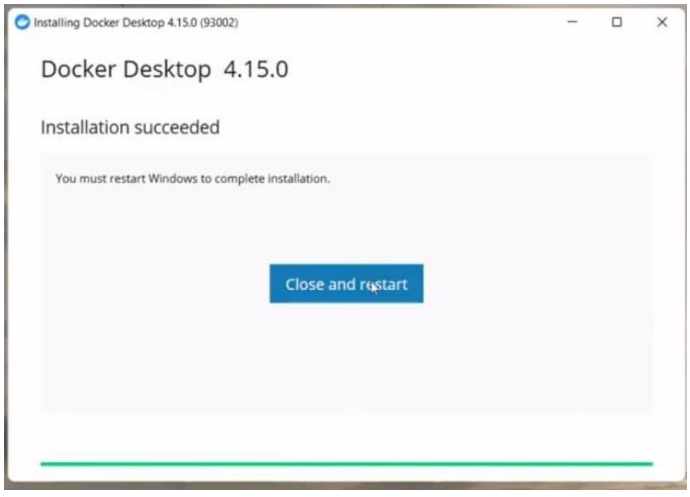
1. **Installing** Docker Desktop https://www.docker.com/products/docker-desktop/

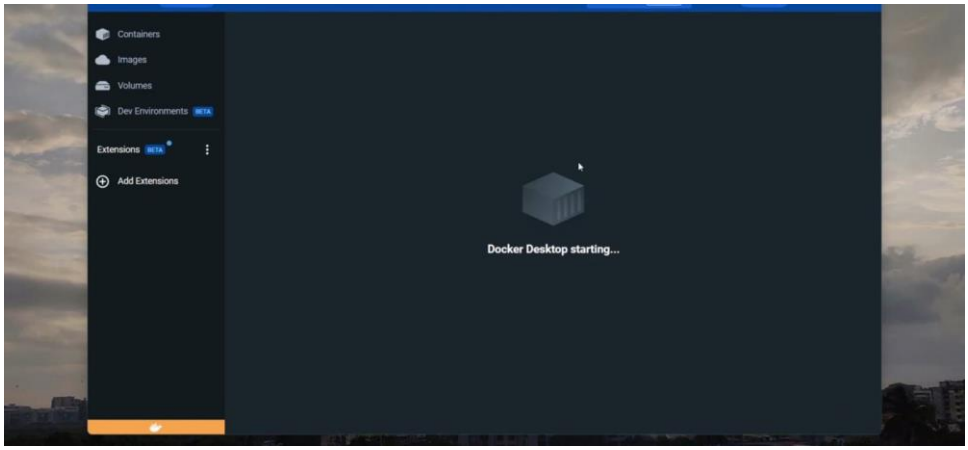
Click on Get Started and download Docker Desktop for Windows



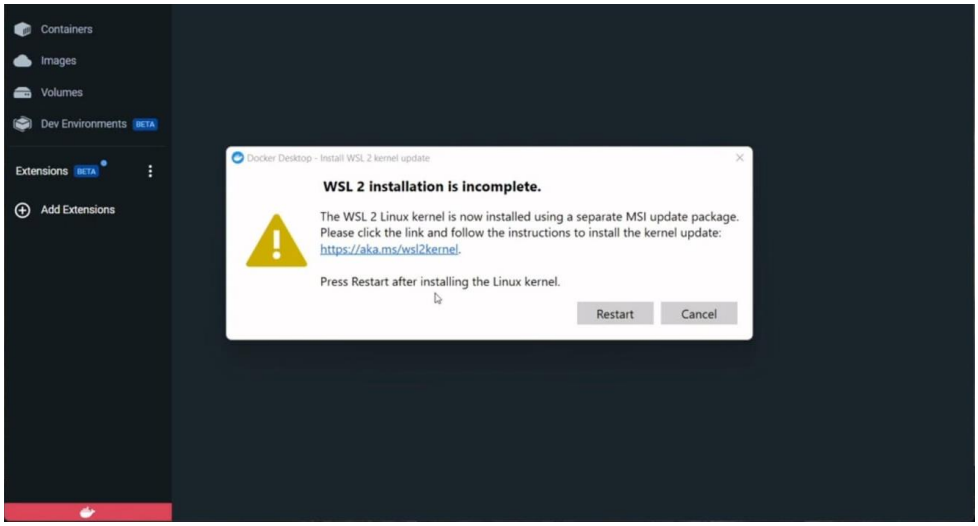
Click on Accept and complete the installation of Docker Desktop

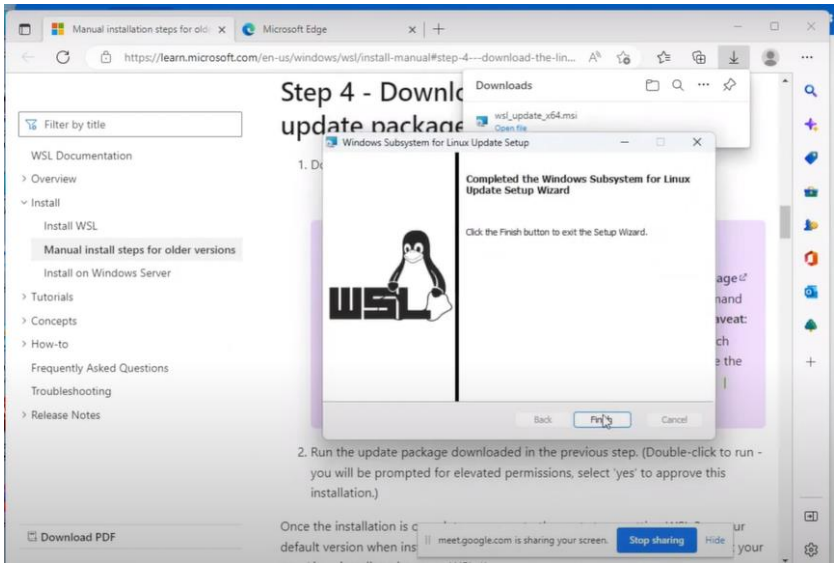






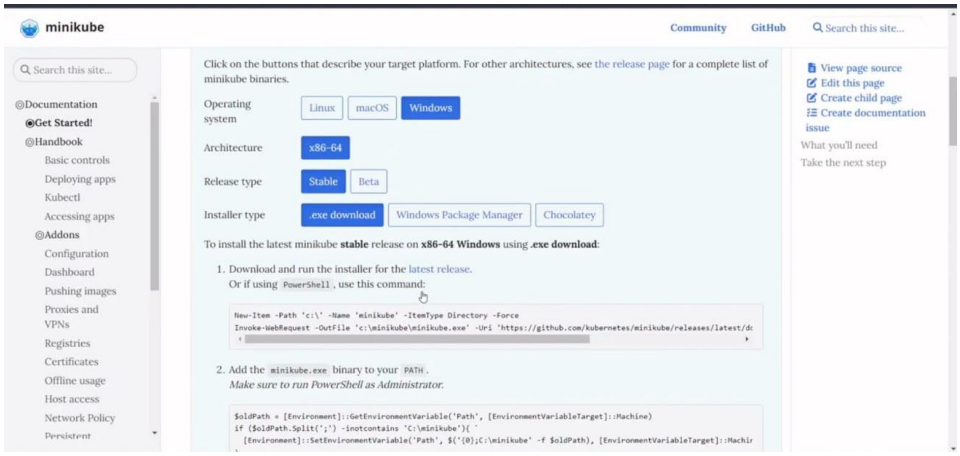
2. **Download and Install the updated version of WSL2** Click on the link and download and install the updated version





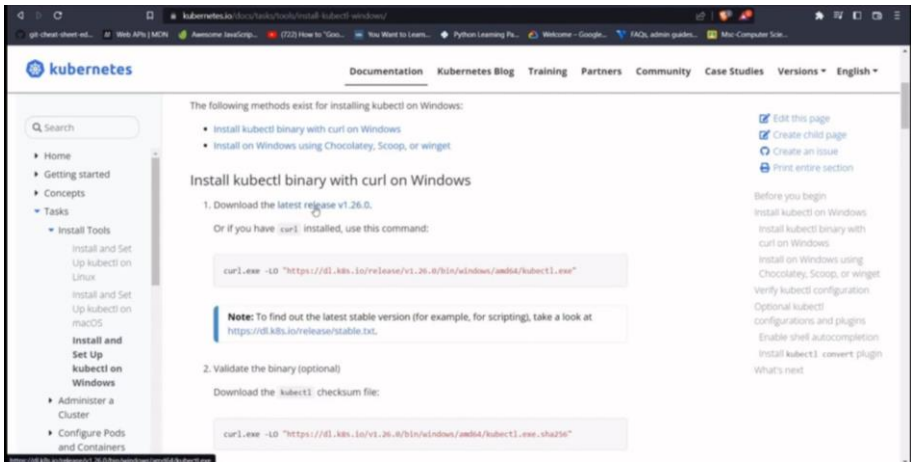
3. **Install** minikube https://minikube.sigs.k8s.io/docs/start/

Click on the .exe download to download minikube and Install minikube

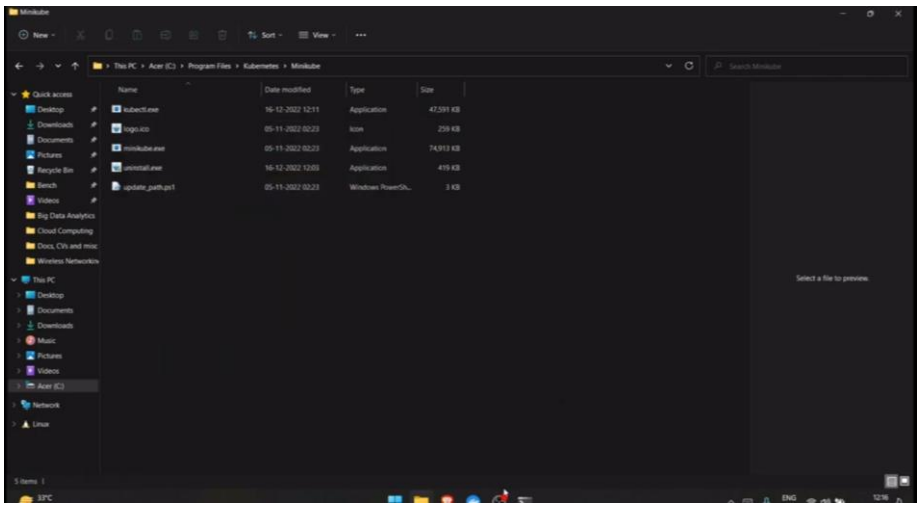


4. **Install** kubectl for windows **https://kubernetes.io/docs/tasks/tools/install-kubectl-windows/**

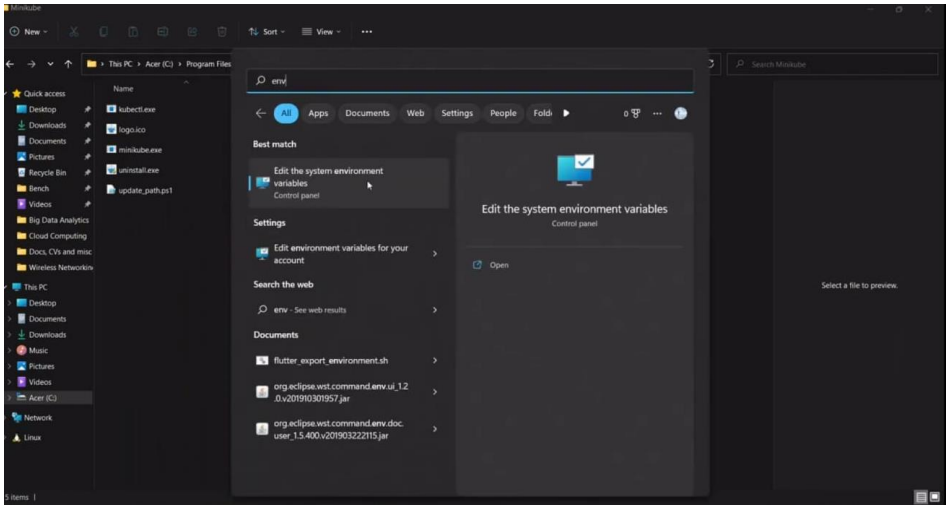
Click on the latest release and download the kubectl



Copy the kubcetl where minikube is saved and then copy the path

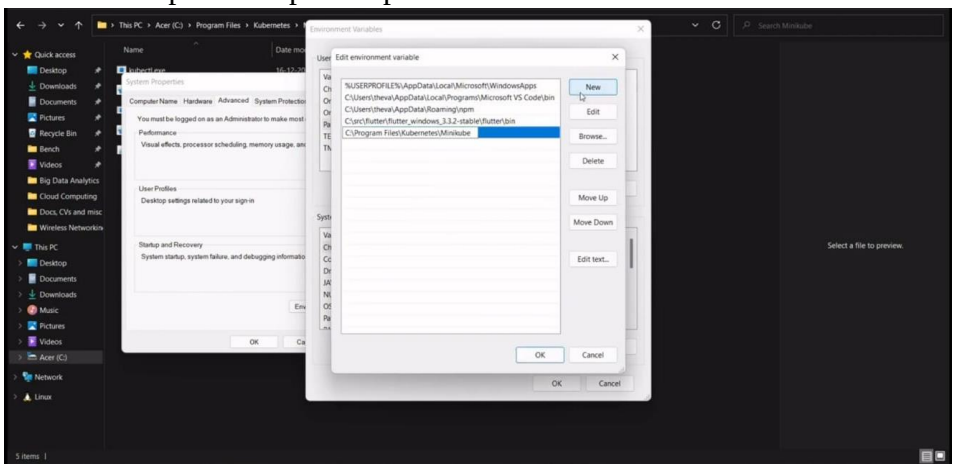


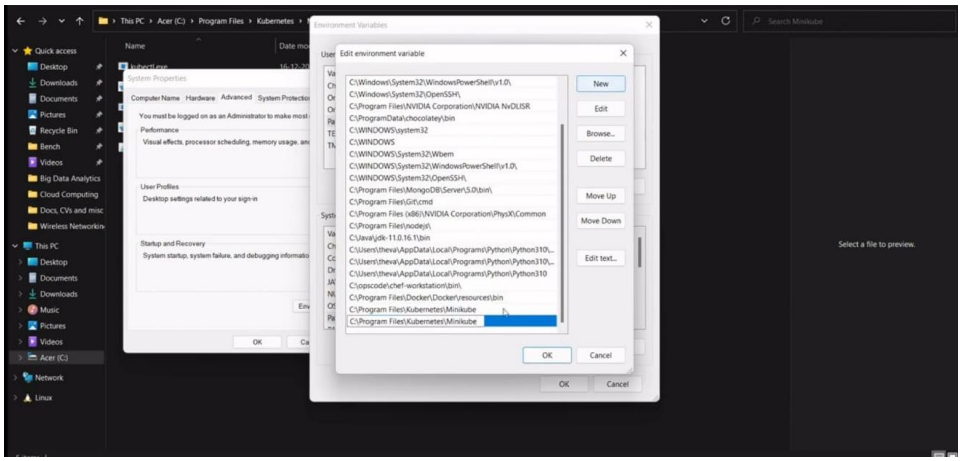
Go to environment variable:



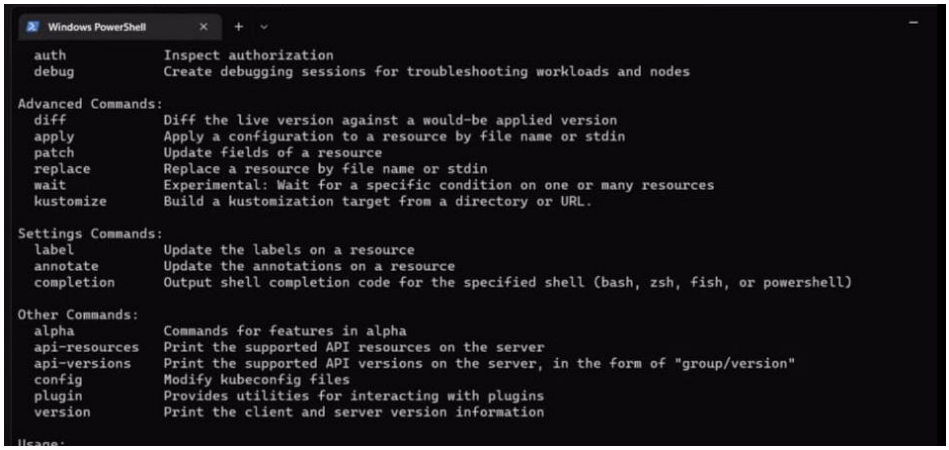
Set the path in environment variable for the user as well as the system

Click new > paste the path copied before

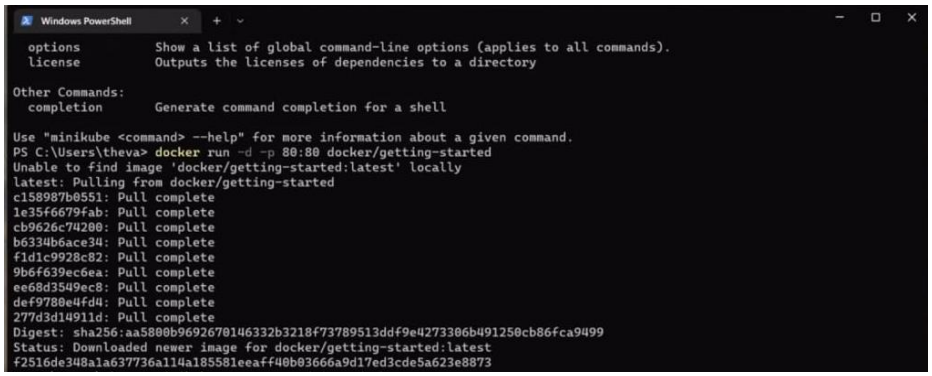




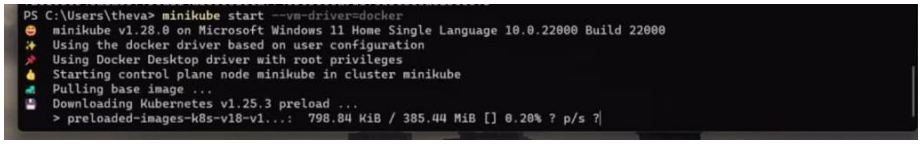
Check whether Kubectl is installed



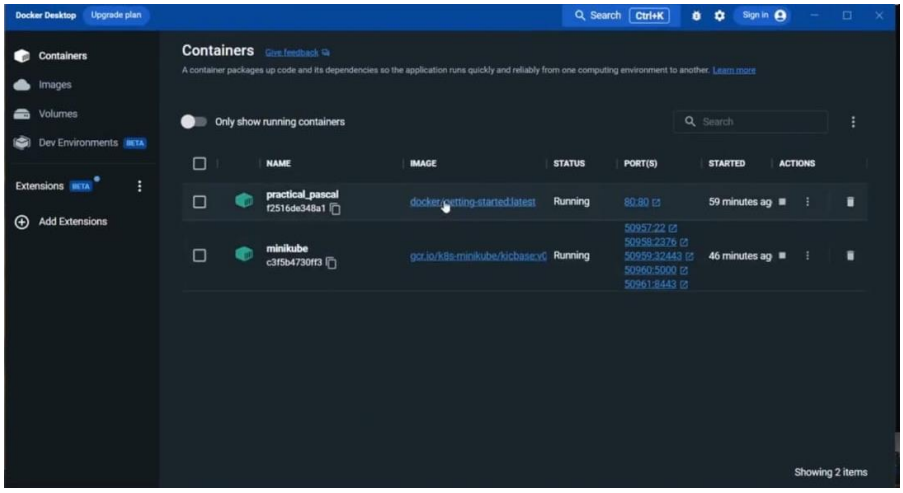
Open Docker and copy the line below and paste in the command prompt

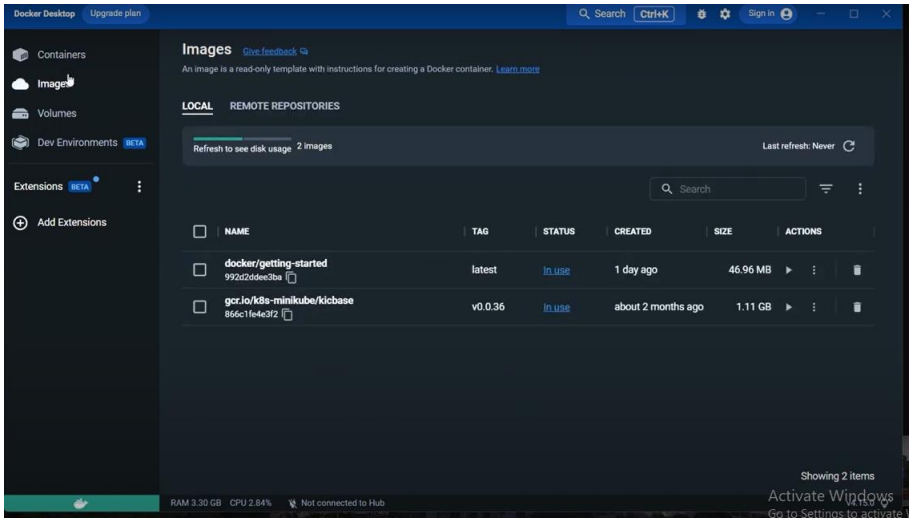


Pull the images in minikube



Check for the container status below


Docker Desktop
Upgrade plan
Search Ctrl+K
Sign in
Containers
Images
Volumes
Dev Environments BETA
Extensions BETA
Add Extensions
Containers
Give feedback
A container packages up code and its dependencies so the application runs quickly and reliably from one computing environment to another. Learn more
Only show running containers
Search
NAME
IMAGE
STATUS
PORT(S)
STARTED
ACTIONS
practical_pascal
f2516de348a1
docker/getting-started:latest
Running
80:80
59 minutes ag
minikube
c3f5b4730ff3
gcr.io/k8s-minikube/kicbase:v(
Running
50957:22
50958:2376
50959:32443
50960:5000
50961:8443
46 minutes ag
Showing 2 items


Docker Desktop
Upgrade plan
Search Ctrl+K
Sign in
Containers
Images
Volumes
Dev Environments BETA
Extensions BETA
Add Extensions
Images
Give feedback
An image is a read-only template with instructions for creating a Docker container. Learn more
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REMOTE REPOSITORIES
Refresh to see disk usage
2 images
Last refresh: Never
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NAME
TAG
STATUS
CREATED
SIZE
ACTIONS
docker/getting-started
992d2ddee3ba
latest
In use
1 day ago
46.96 MB
gcr.io/k8s-minikube/kicbase
866c1fe4e3f2
v0.0.36
In use
about 2 months ago
1.11 GB
Showing 2 items
RAM 3.30 GB
CPU 2.84%
Not connected to Hub
Activate Windows
Go to Settings to activate