



# K8 Install

## Setup Kubernetes

How are we going to practice ?

Steps to enable Kubernetes in Docker desktop

Verify your Kubernetes cluster

Check the state of your Docker Desktop cluster

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## Setup Kubernetes

These are few among the many of solutions to host Kubernetes cluster.

### How are we going to practice ?


We will be using the Kubernetes solution which is provided by Docker Desktop.

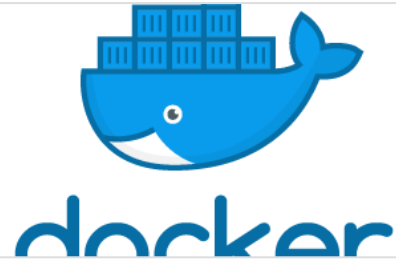
### Steps to enable Kubernetes in Docker desktop

- Install docker desktop

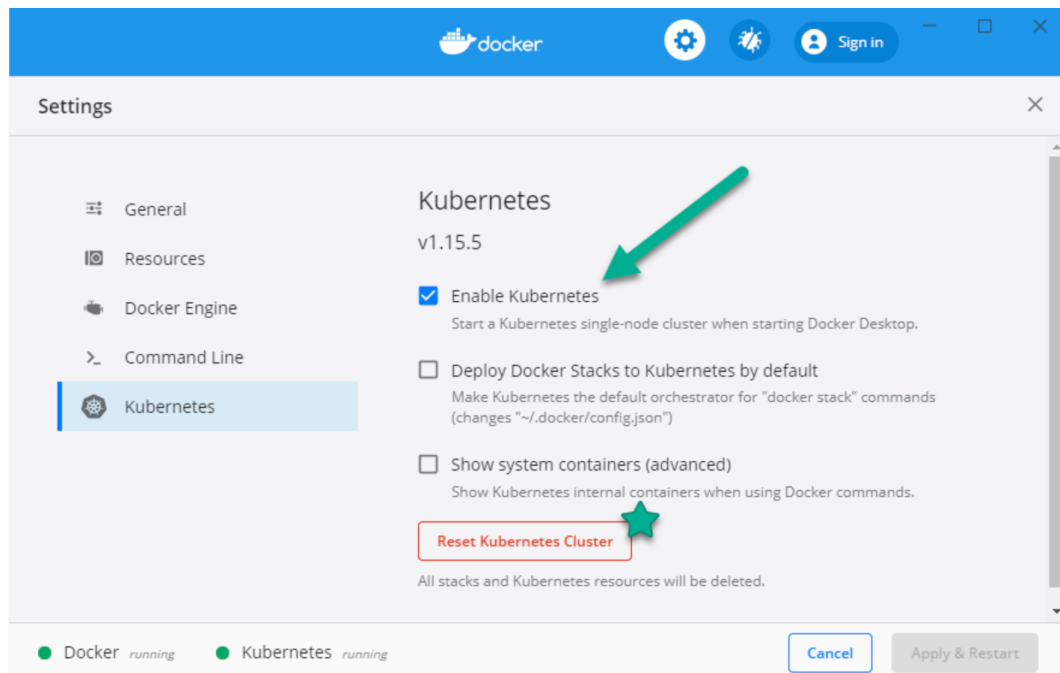
## Docker Desktop for Mac and Windows | Docker

The Docker Subscription Service Agreement has been updated.  
Our Docker Subscription Service Agreement includes a change to the terms for Docker Desktop. It remains free for small businesses.

 <https://www.docker.com/products/docker-desktop>



- Enable Kubernetes



- That's it! Docker Desktop will download all the Kubernetes images in the background and get everything started up. When it's ready you'll see two green lights in the bottom of the settings screen saying Docker running and Kubernetes running.
- **Also, the star in the screenshot shows the "Reset Kubernetes Cluster" button, which is one of the reasons why Docker Desktop is the best of the local Kubernetes options.**
- Click that and it will reset your cluster back to a fresh install of Kubernetes.

## Verify your Kubernetes cluster

- If you've worked with Docker before, you're used to managing containers with the "docker & docker-compose cmd lines".
- Kubernetes uses a different tool called "kubectl" to manage apps - Docker Desktop installs kubectl for you too.

## Check the state of your Docker Desktop cluster

```
kubectl get nodes
```

- You should see a single node in the output called docker-desktop.