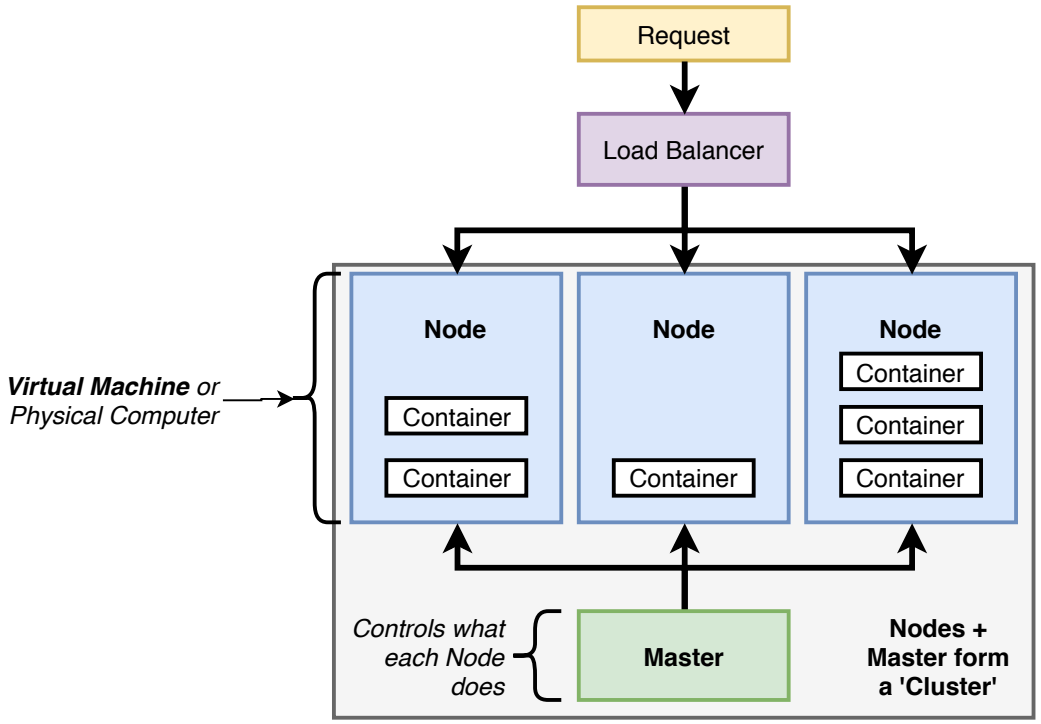
Kubernates

What is Kubernetes? → System **for** running **many different containers** over multiple different machines

Why use Kubernetes? → When you need **to run many different containers** with different images

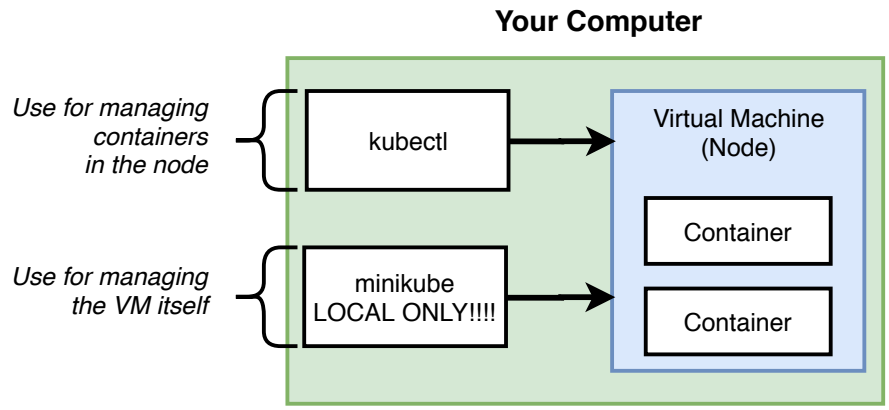


Local Kubernetes Development

Install Kubectl — CLI for interacting with our master

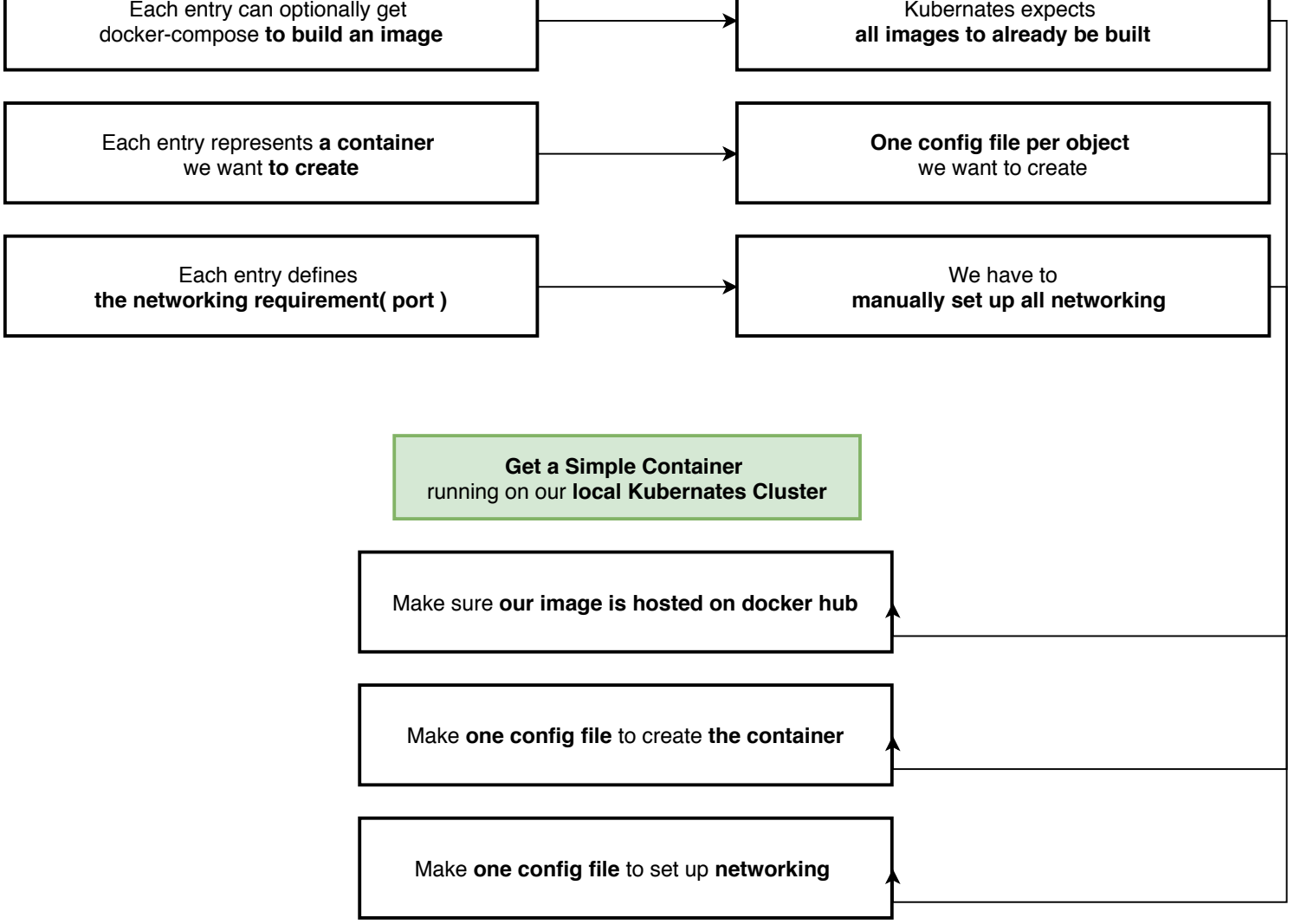
Install a VM driver virtualbox — Used to make a VM that will be your single node

Install minikube — Runs a single node on that VM



Docker Compose

Kubernates


Each entry can optionally get
docker-compose to build an image
Kubernates expects
all images to already be built
Each entry represents a container
we want to create
One config file per object
we want to create
Each entry defines
the networking requirement(port)
We have to
manually set up all networking
Get a Simple Container
running on our local Kubernates Cluster
Make sure our image is hosted on docker hub
Make one config file to create the container
Make one config file to set up networking