

Kubernetes

The definite guide

Matti Paksula

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- Futurice, Nokia, AppGyver.com, ...
- www.supervisor.com

nodes

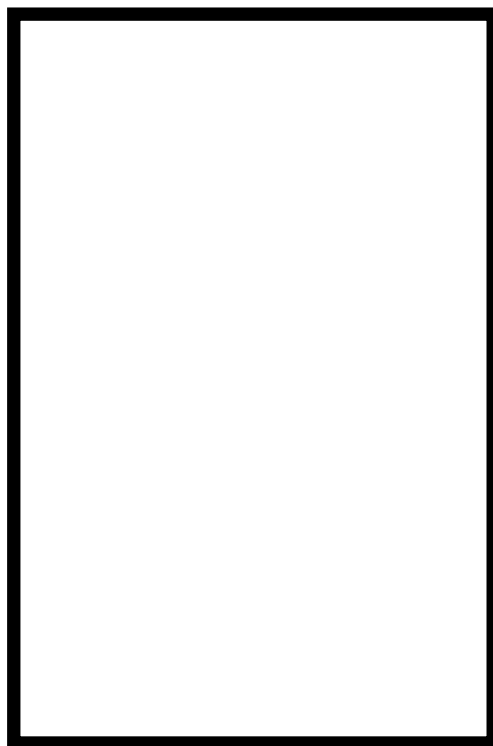
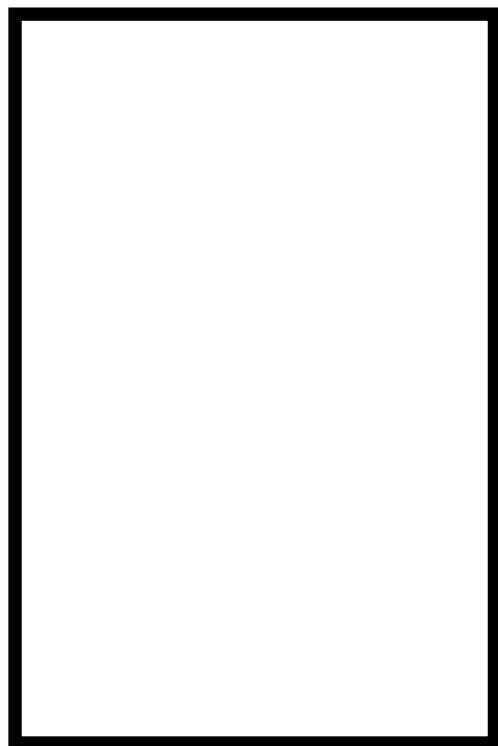
kubelet

master

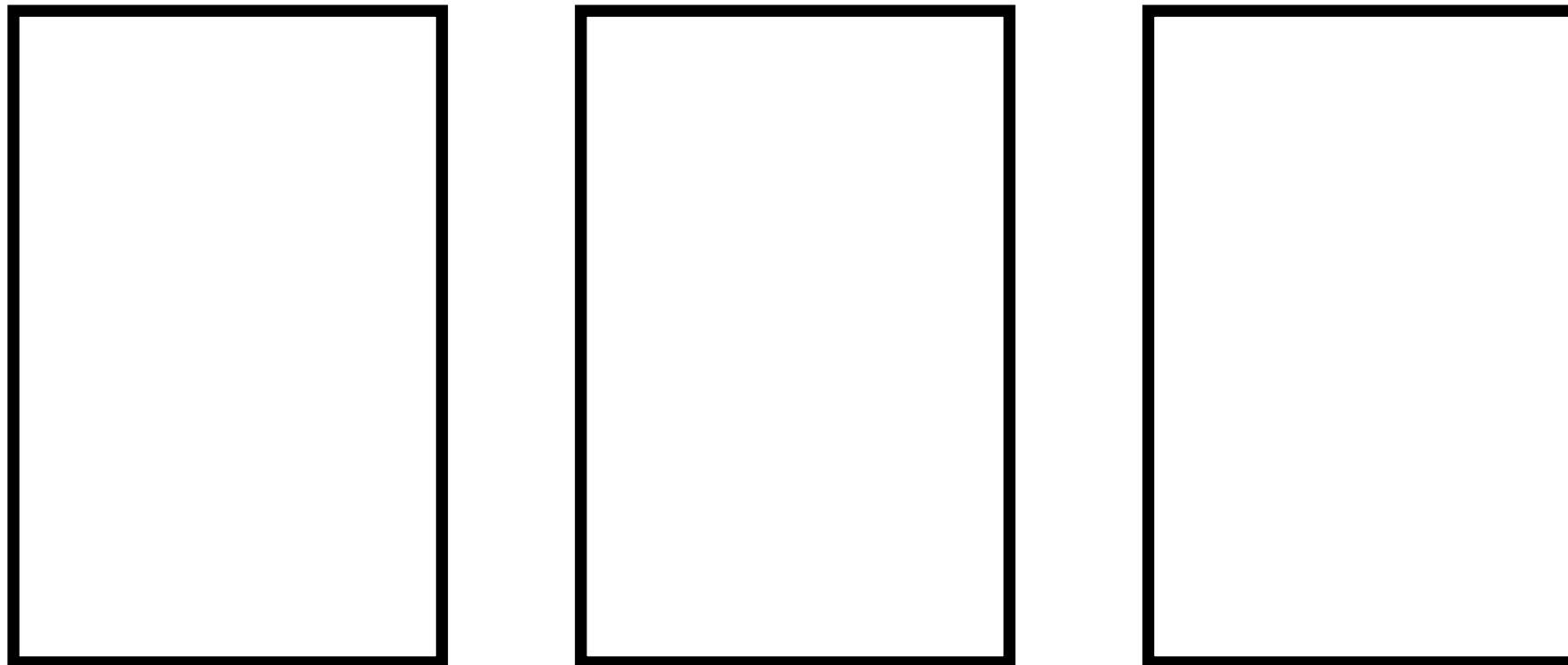


minä

kubectl run --image=nginx mynginx



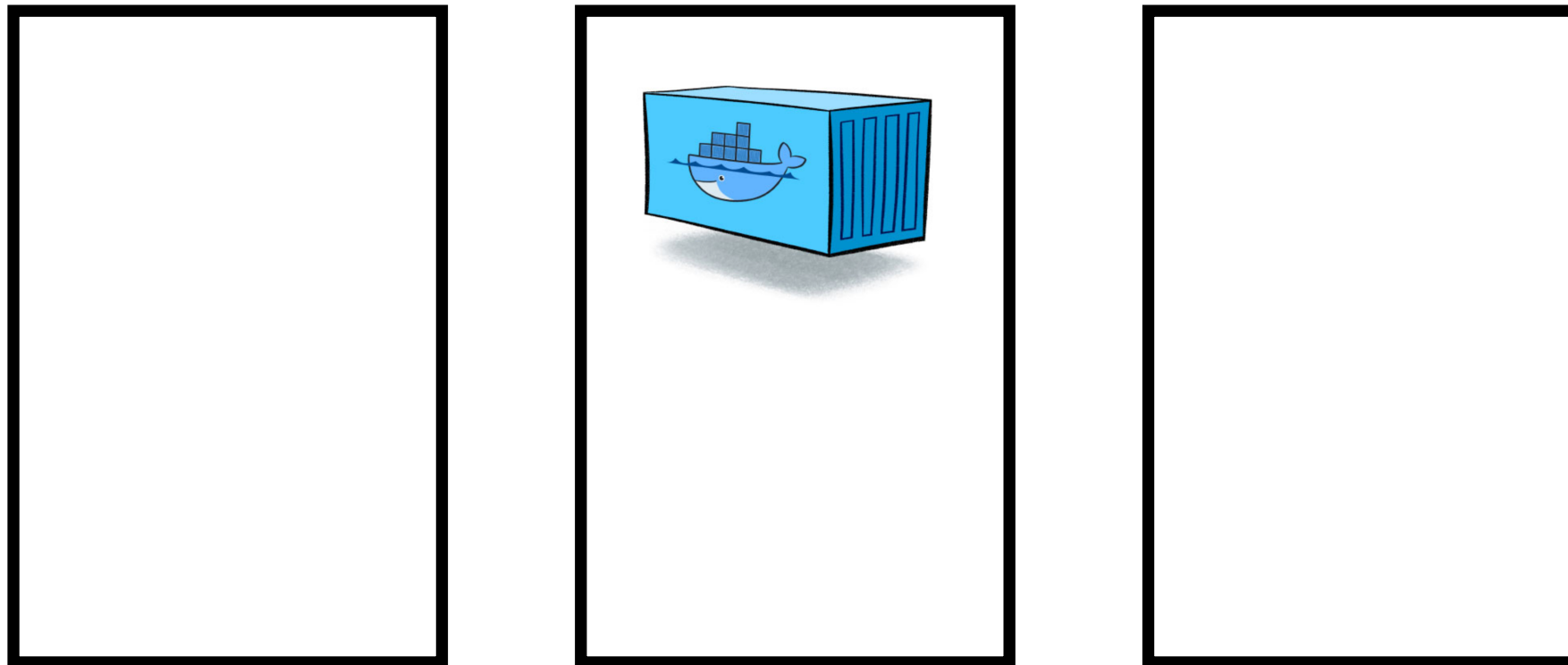
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kubectl run --image=nginx mynginx
```



scheduling ...



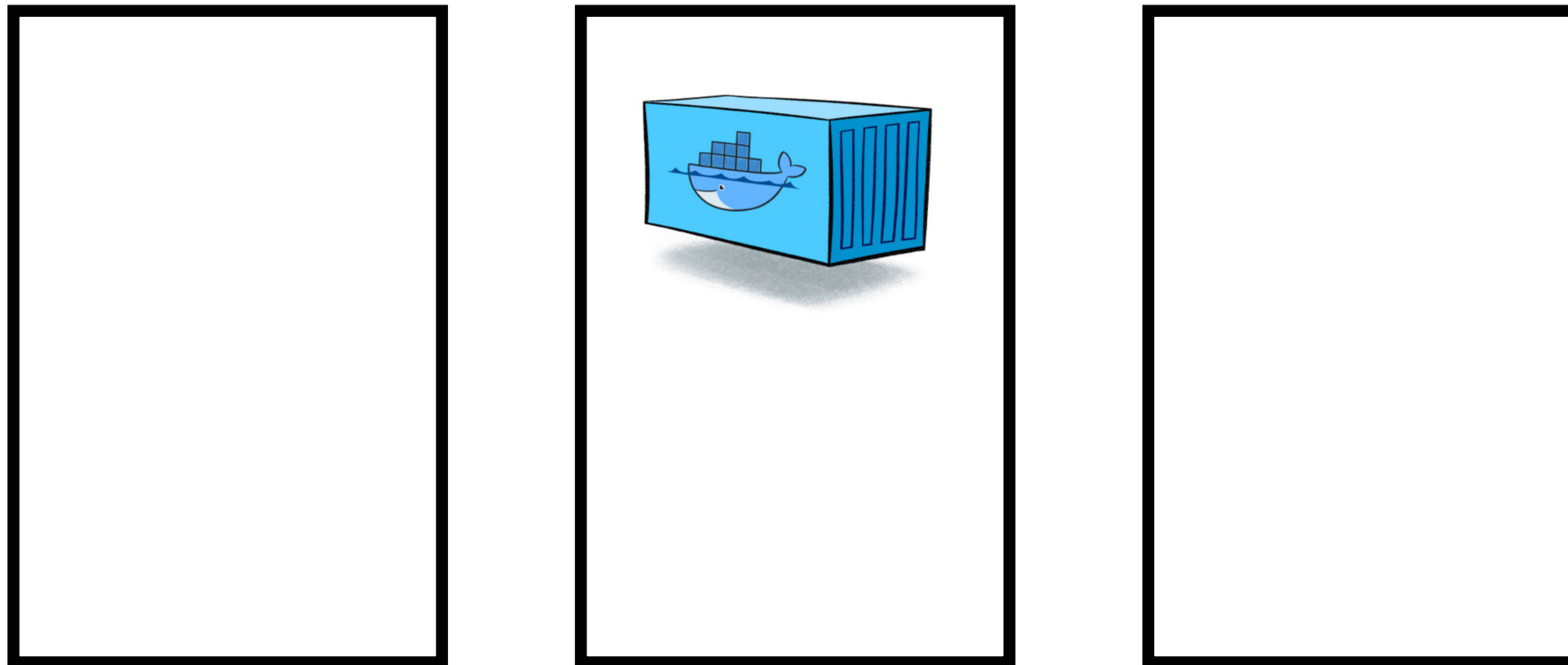
kubectl run --image=nginx mynginx



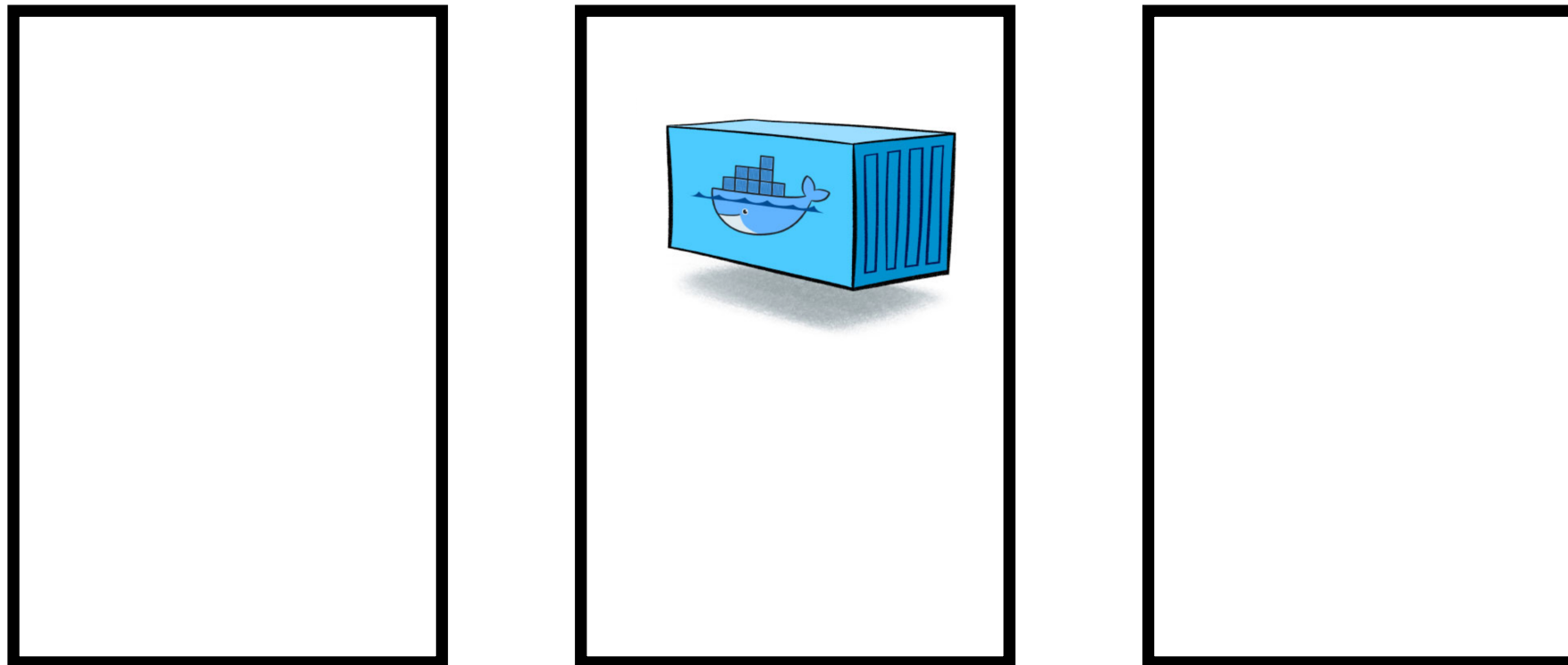
assigned!



kubectl scale mynginx --replicas=3



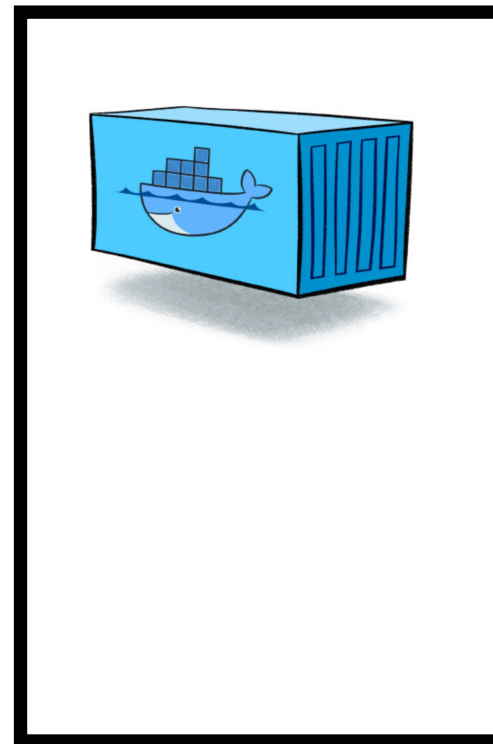
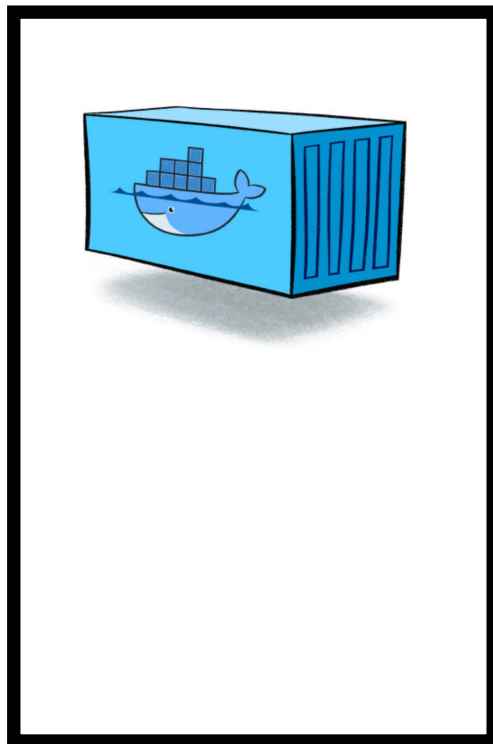
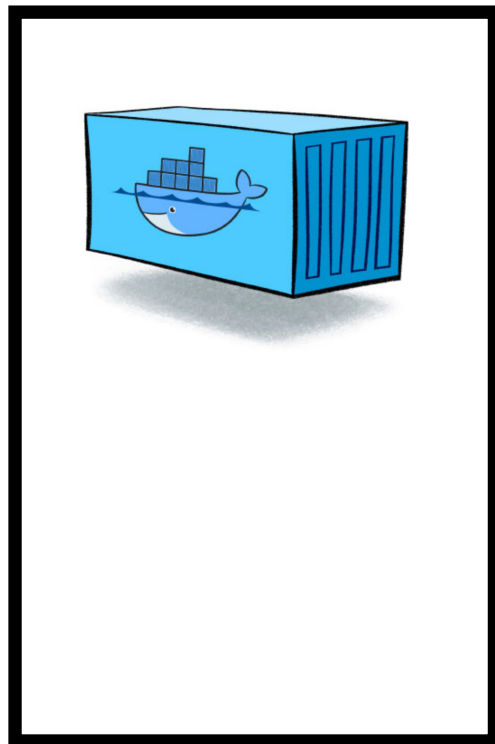
kubectl scale mynginx --replicas=3



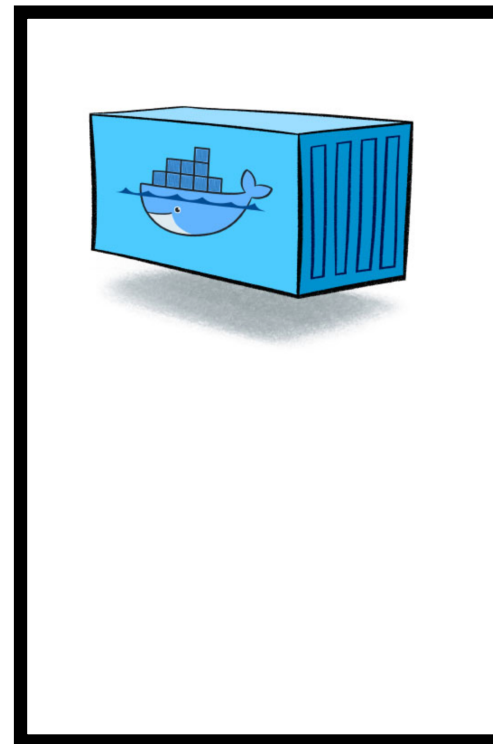
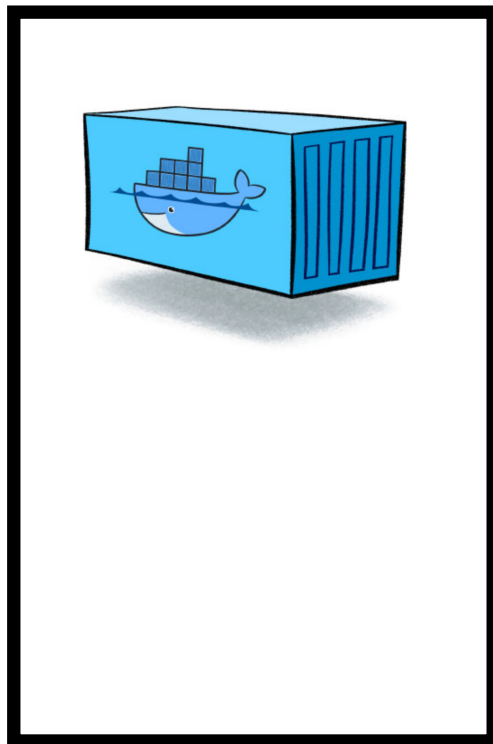
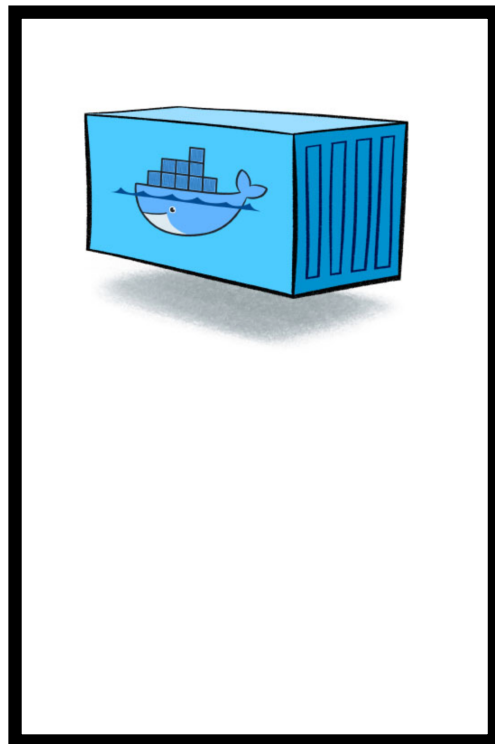
balancing ...



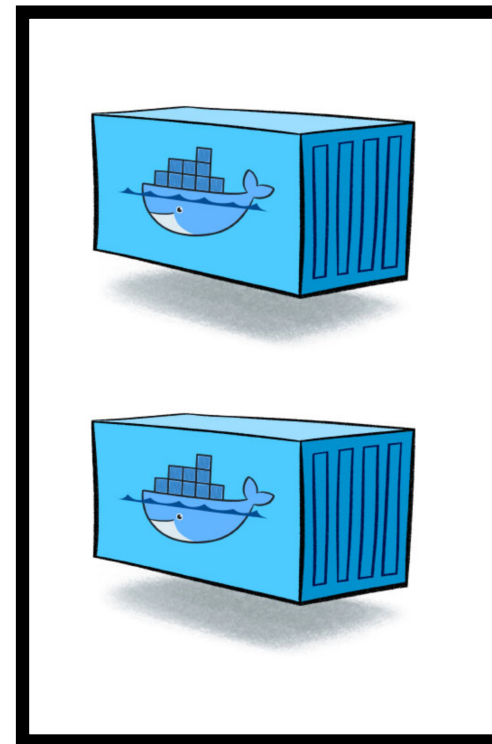
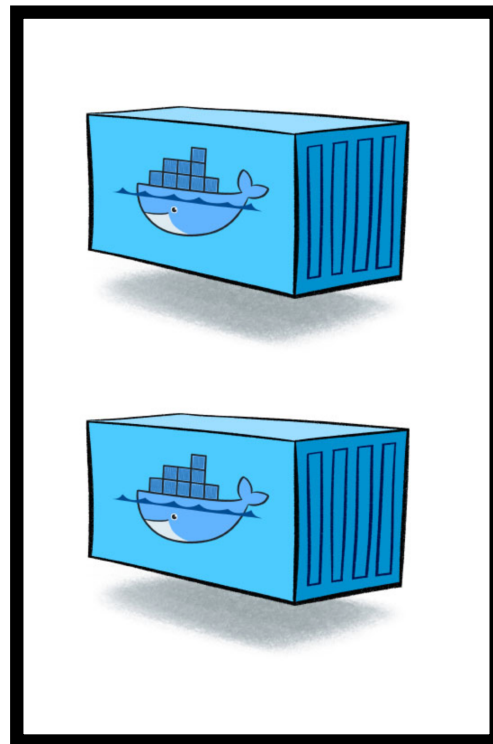
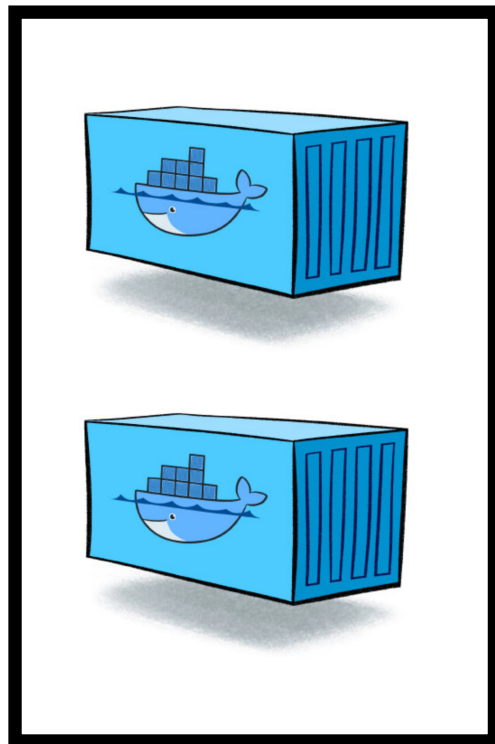
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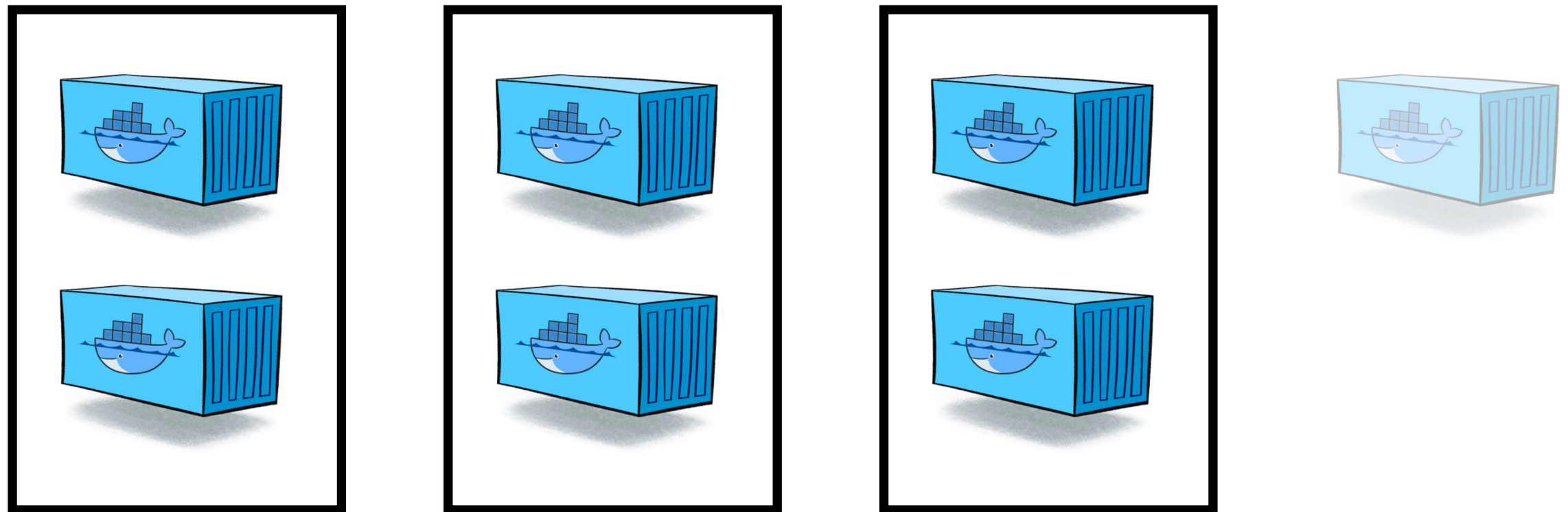
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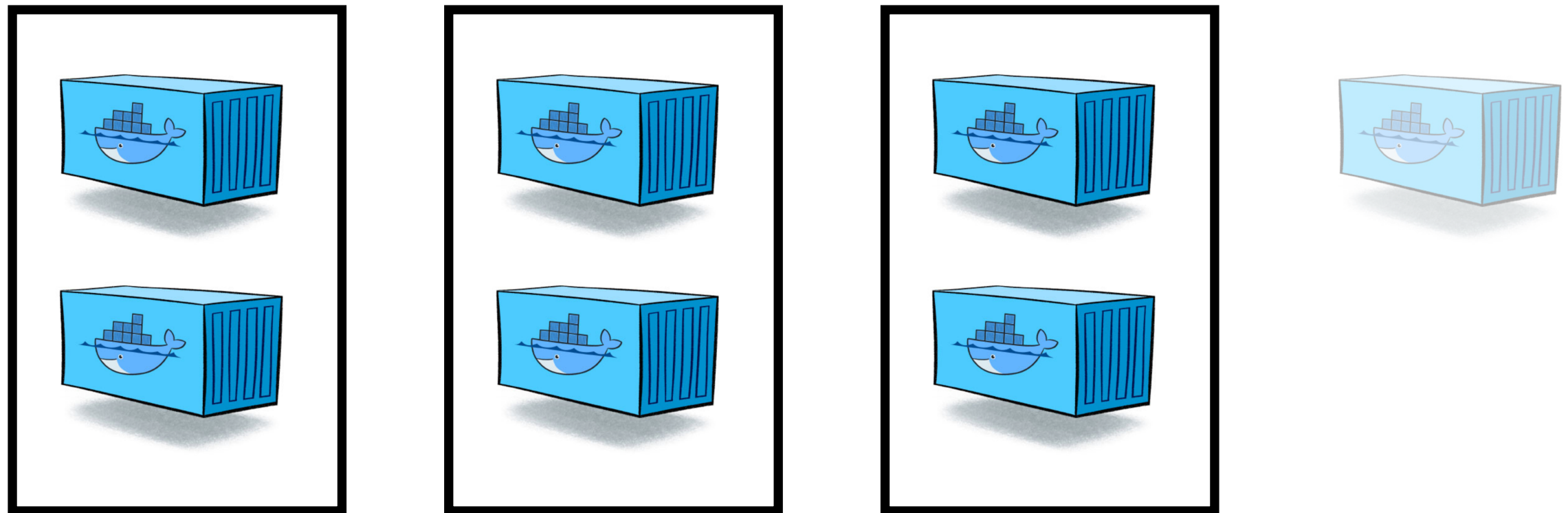
kubectl scale mynginx --replicas=6



kubectl scale mynginx --replicas=7



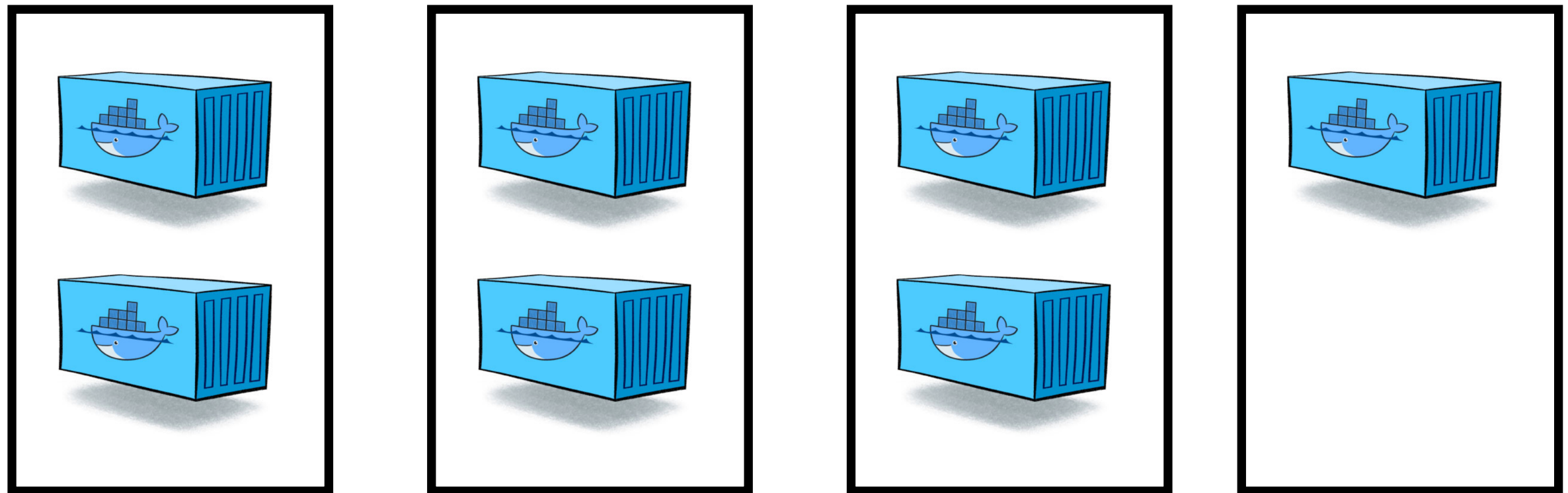
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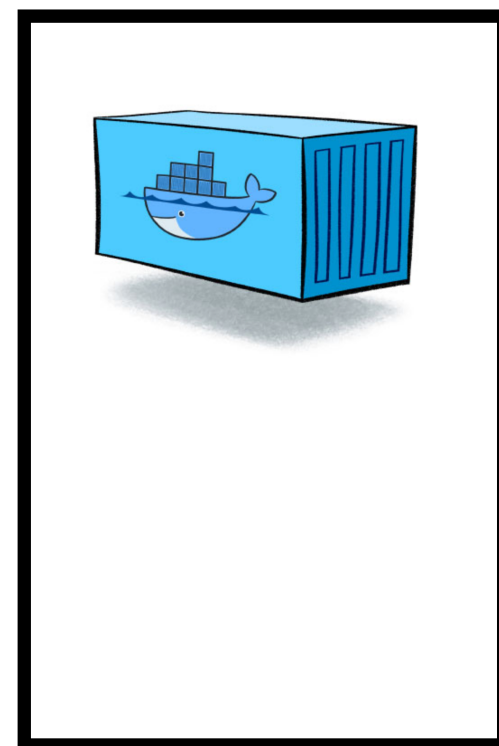
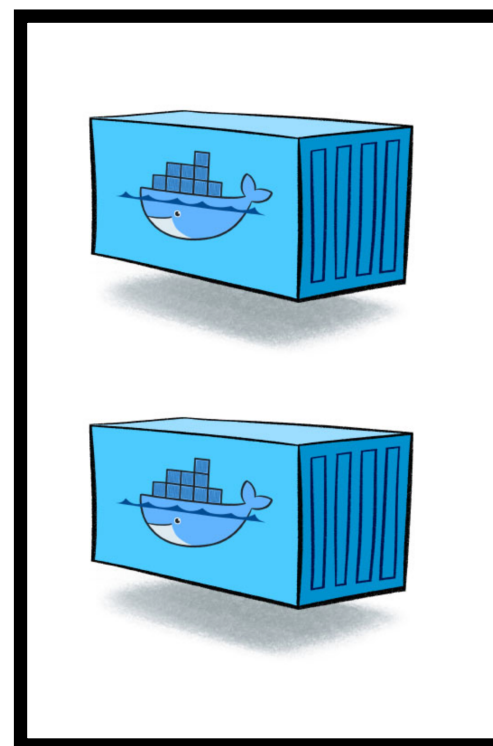
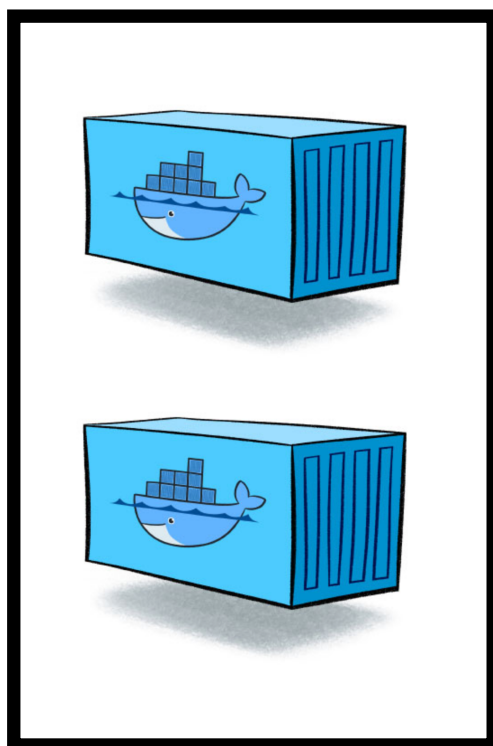
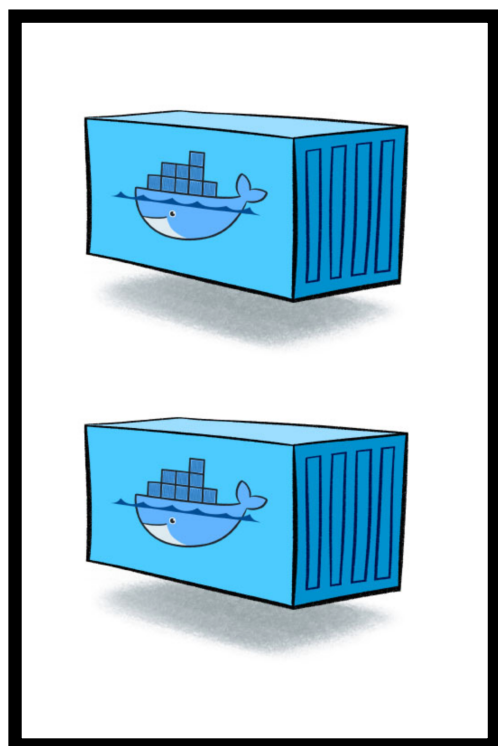


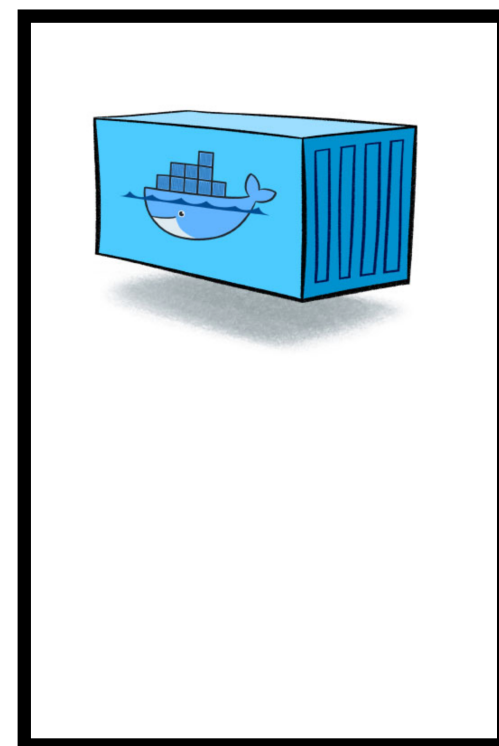
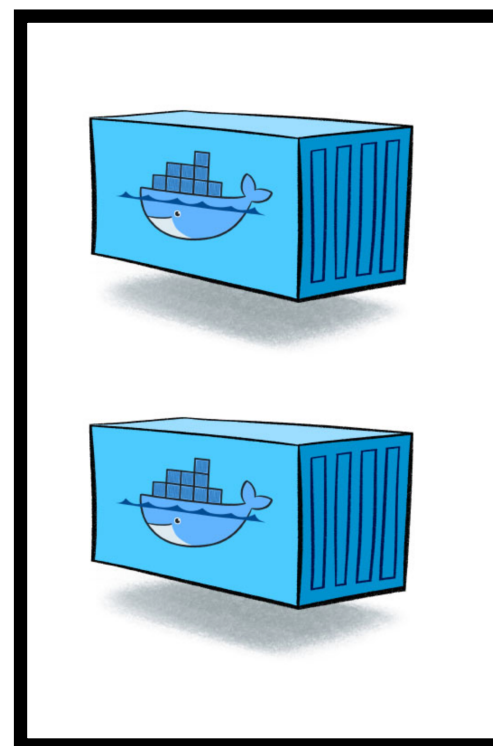
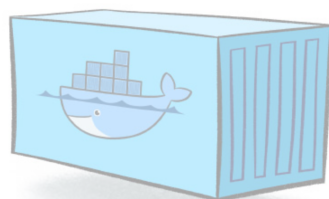
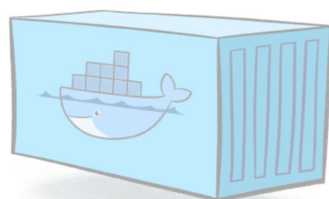
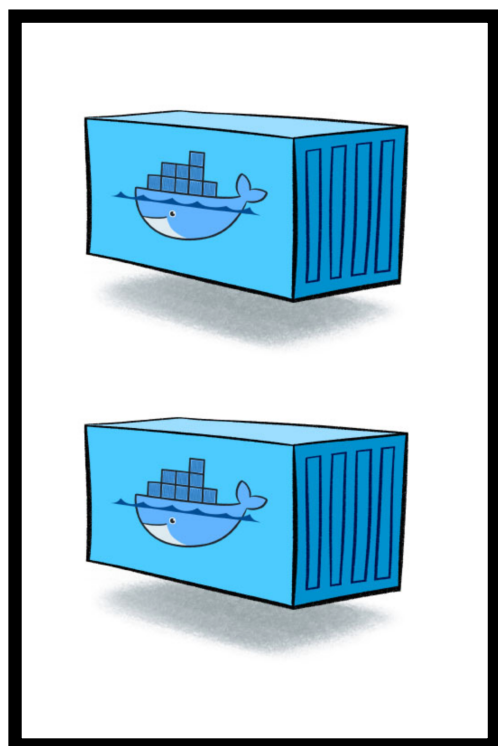
cluster autoscaling ...



kubectl scale mynginx --replicas=7

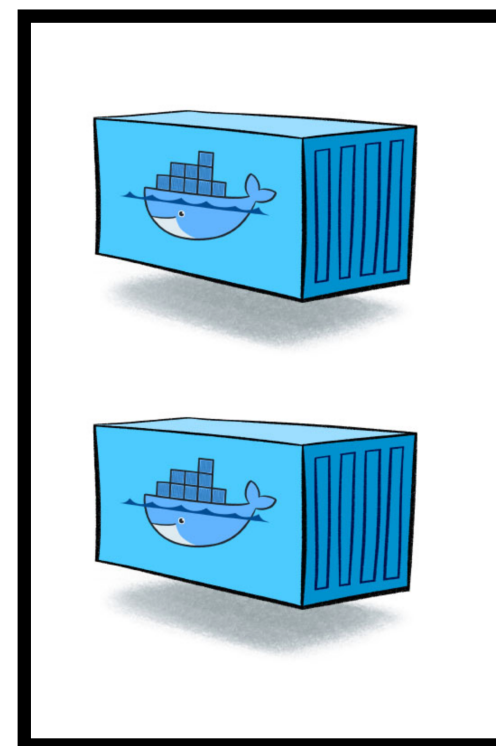
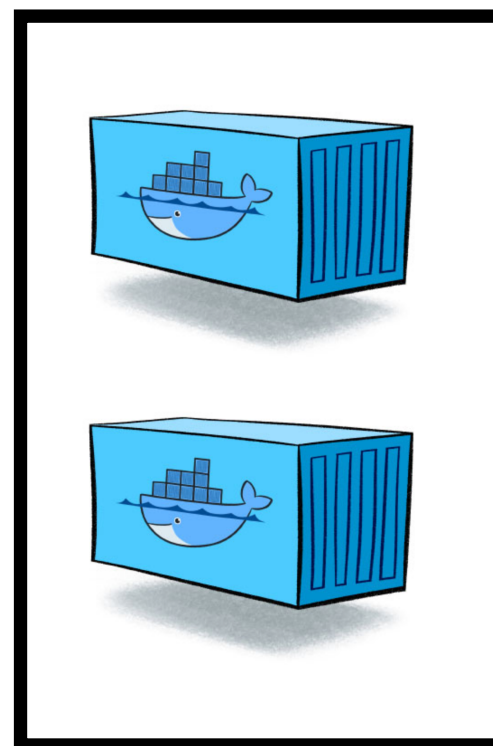
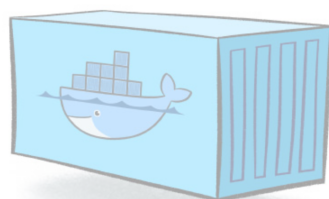
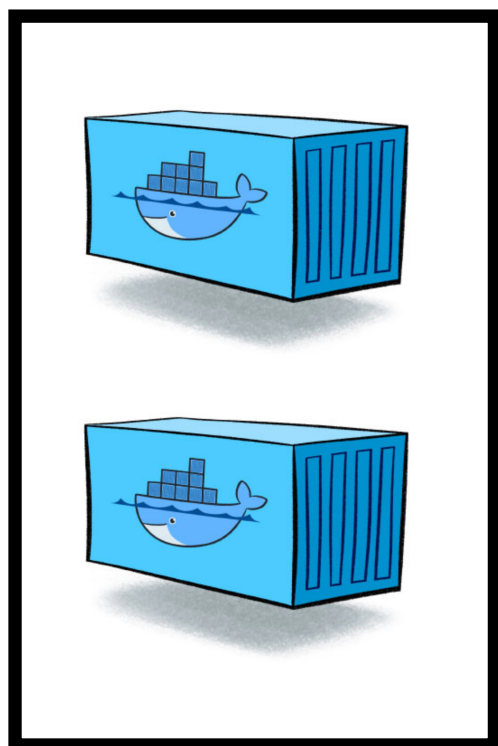


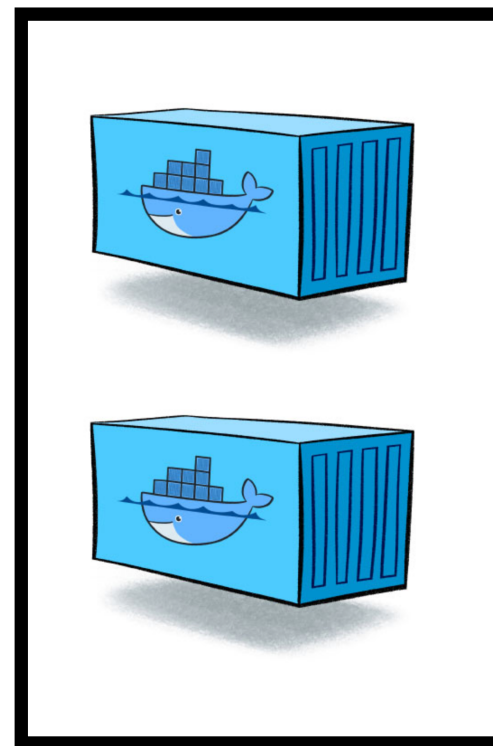
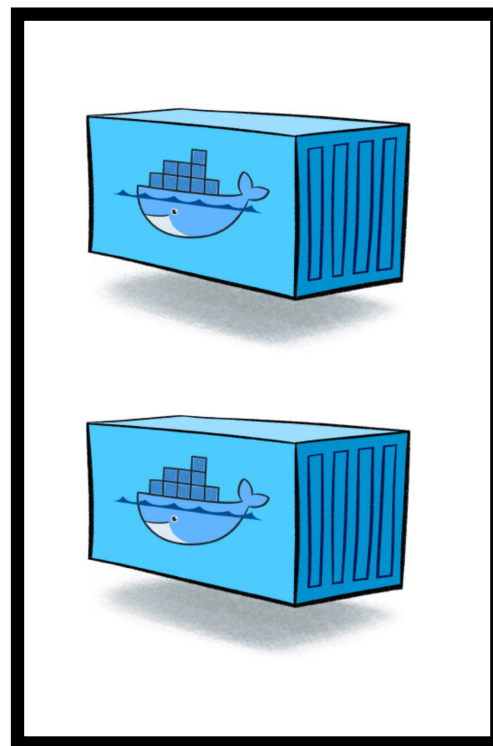
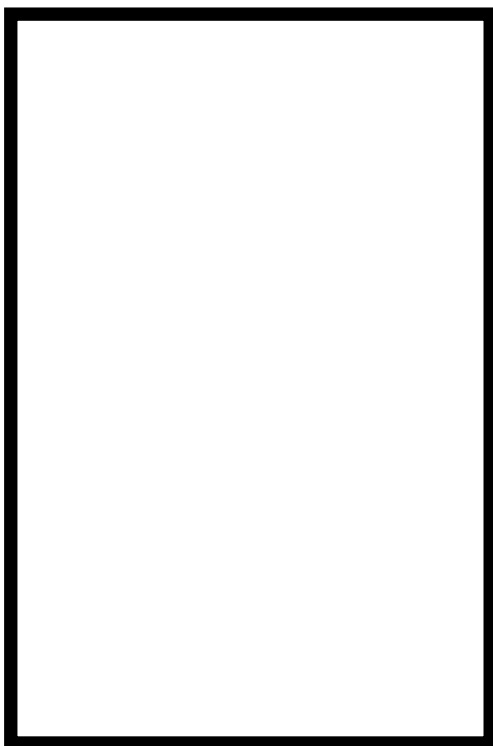
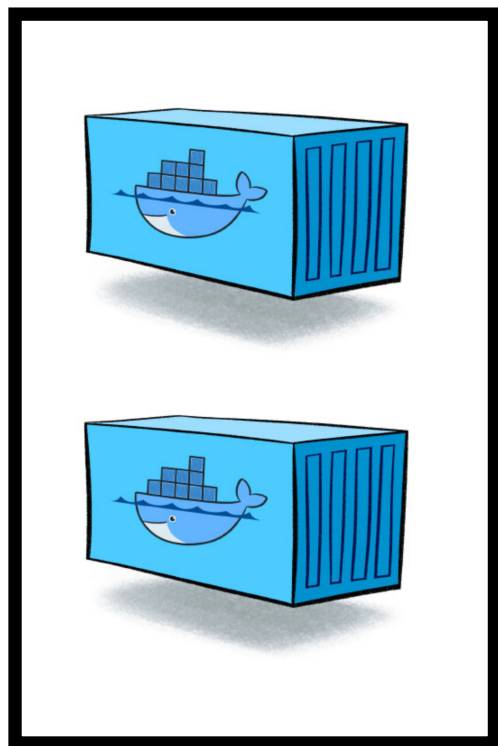




pending

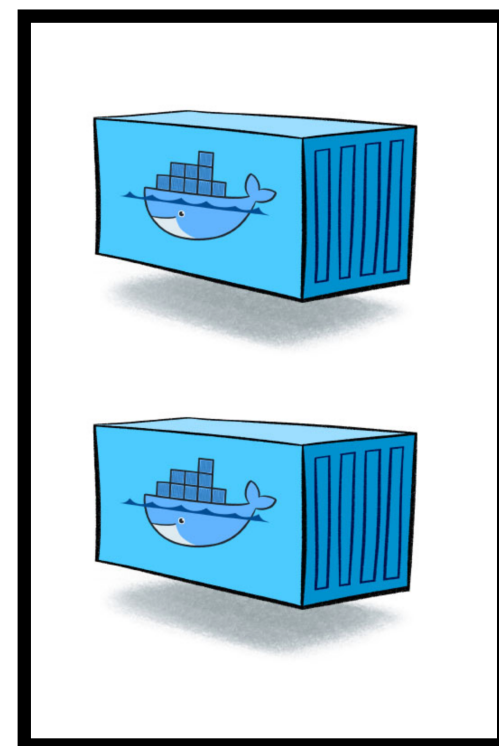
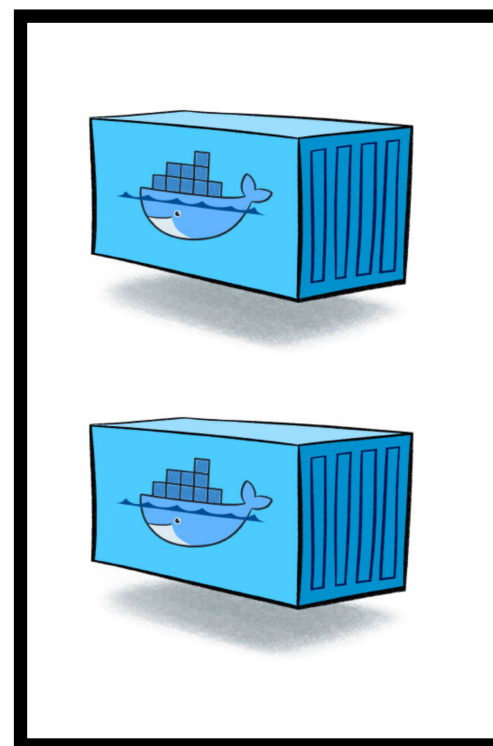
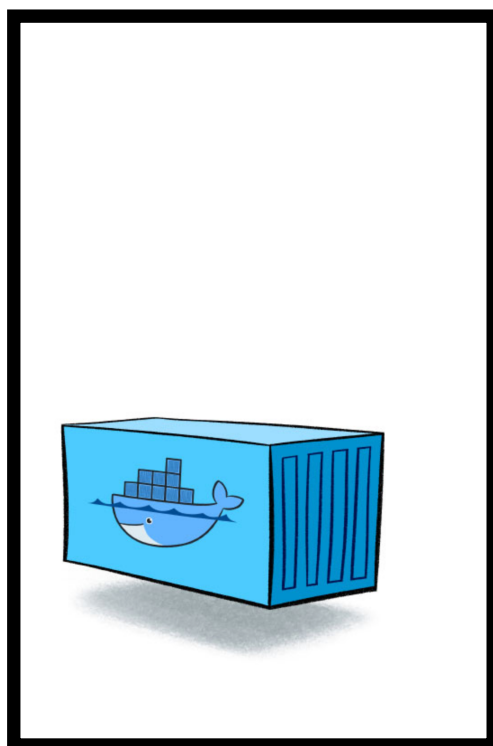
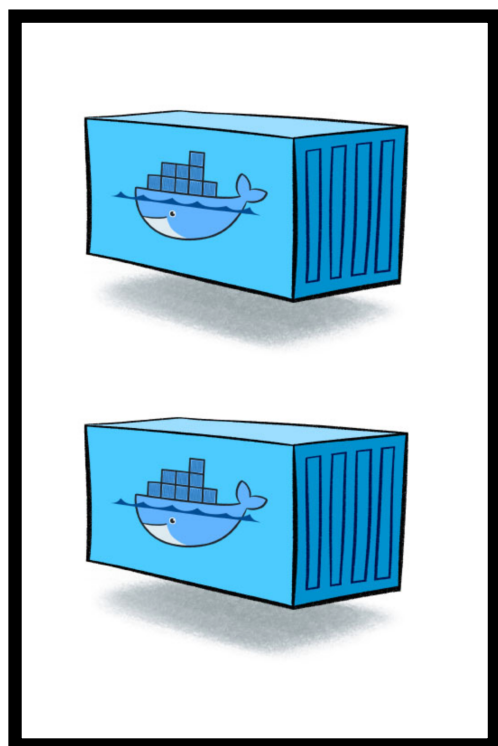




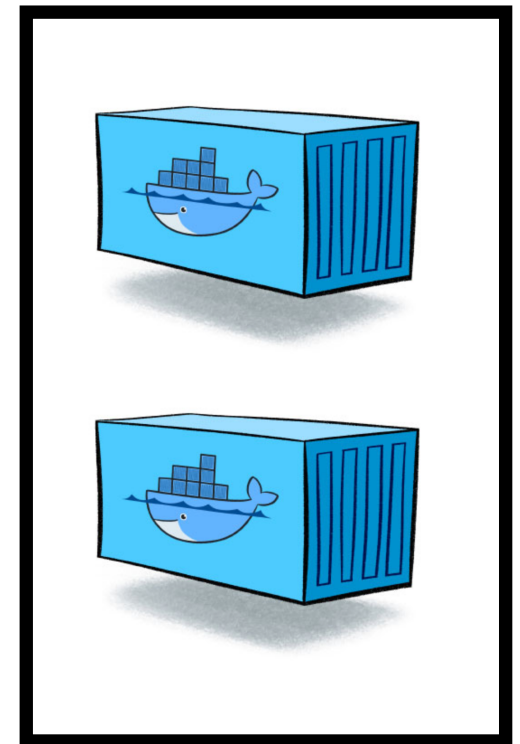
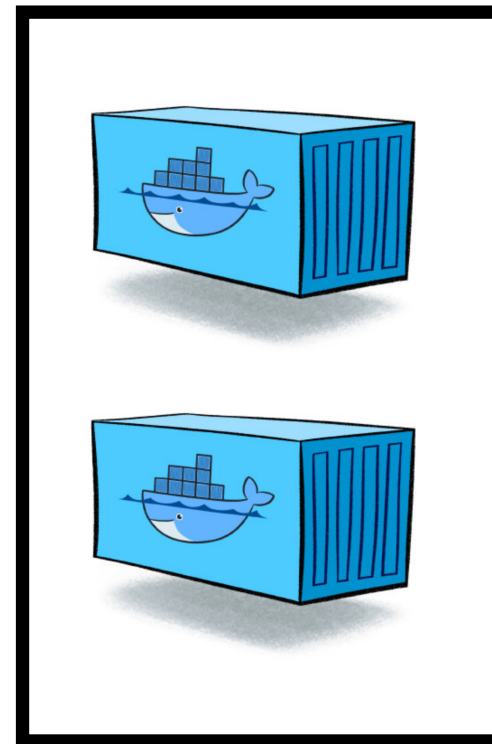
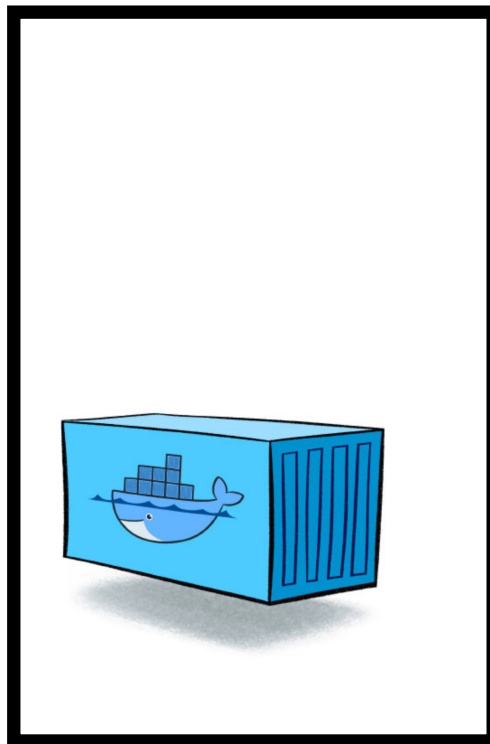
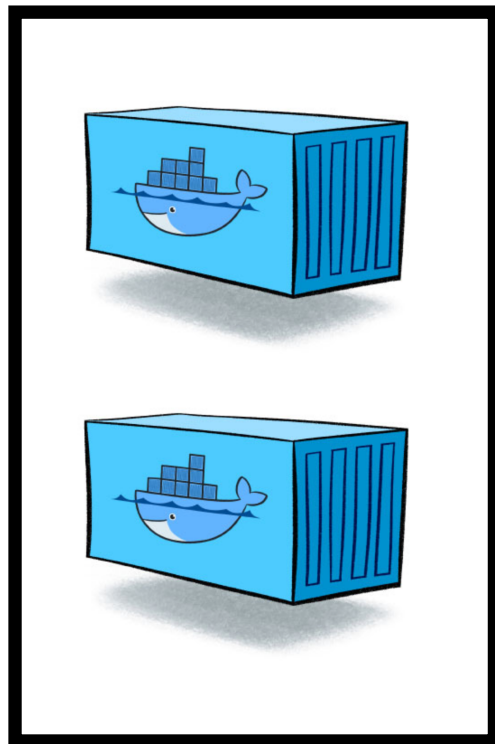


autoscaling

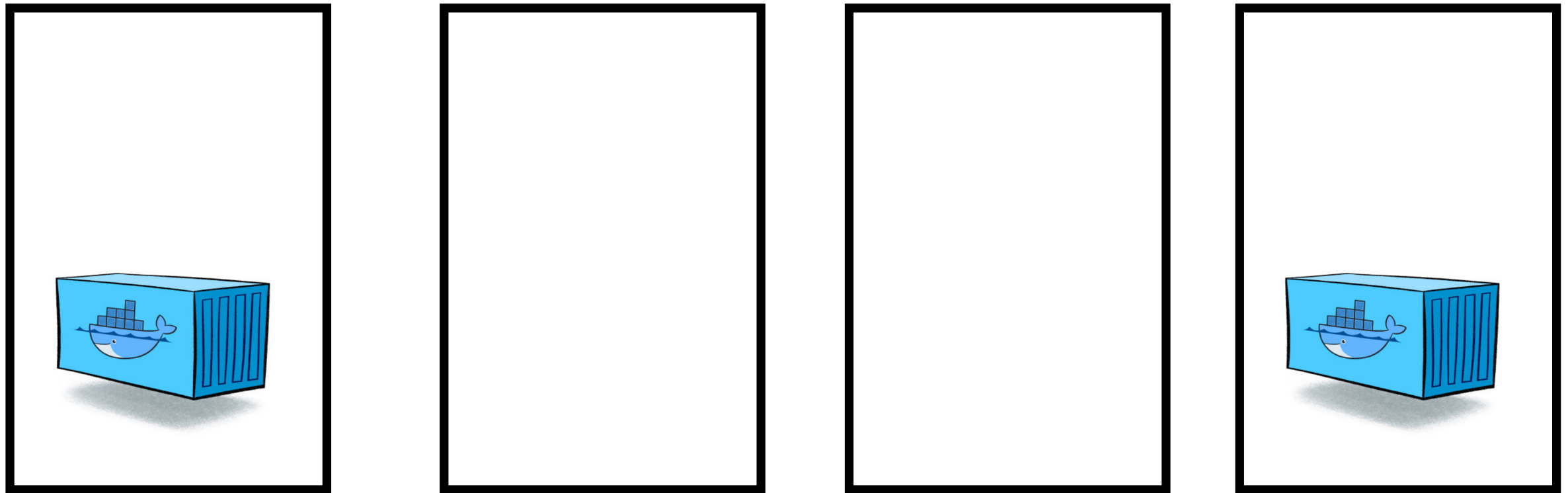




kubectl scale mynginx --replicas=2



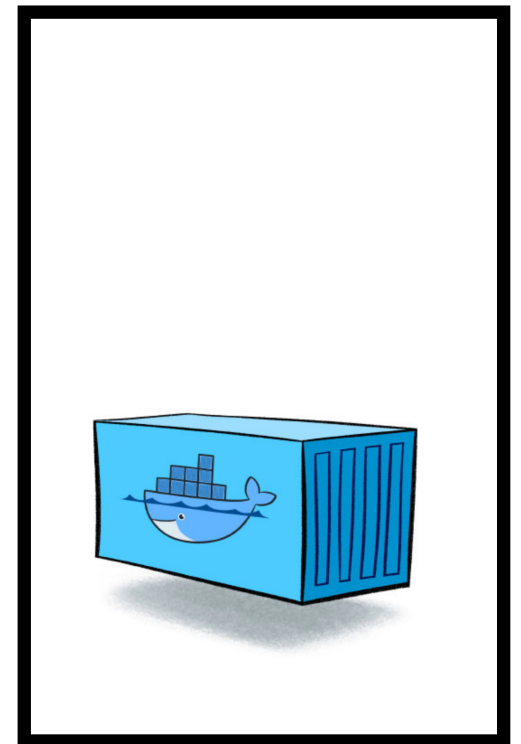
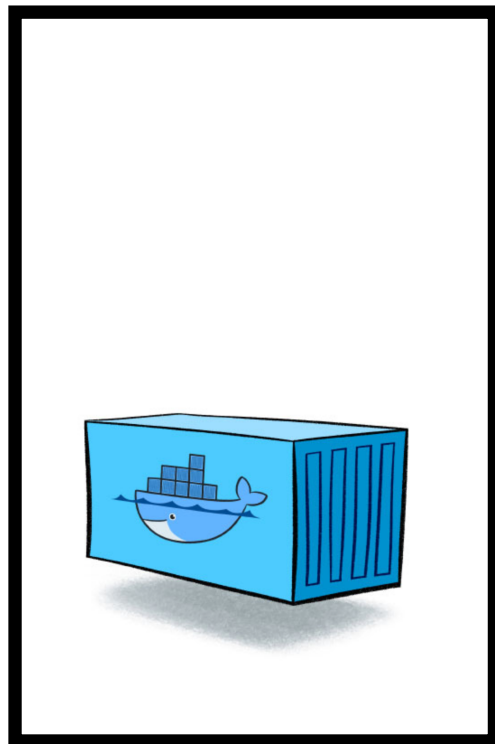
kubectl scale mynginx --replicas=2



right-sizing...



kubectl scale mynginx --replicas=2



```
→ dev cat ~/.kube/kubeconfig (⚡ | aws-eu-central-1-1:default)
apiVersion: v1
clusters:
- cluster:
  certificate-authority: /Users/jdoe/.kube/ca.crt
  server: https://194.100.16.1:8443
  name: mycluster
contexts:
- context:
```

3. public access



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CRYPTOCURRENCY JACKING —

Tesla cloud resources are hacked to run cryptocurrency-mining malware

Crooks find poorly secured access credentials, use them to install stealth miner.

DAN GOODIN - 2/20/2018, 9:21 PM

