```
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mirror_mod.mirror_object
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  operation == "MIRROR_Z"
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  rror_mod.use_y = False
  lrror_mod.use_z = True
 melection at the end -add
   ob.select= 1
   er ob.select=1
   ntext.scene.objects.action
  "Selected" + str(modified
   rror ob.select = 0
  bpy.context.selected ob
  nta.objects[one.name].sel
  int("please select exaction
  OPERATOR CLASSES ----
    vpes.Operator):
    X mirror to the selected
   ject.mirror_mirror_x"
```

So, I tried Kubernetes The Hard Way

Kenji Miyamoto



Kubernetes = K8s

κυβερνήτης, Greek for "helmsman" or "pilot" or "governor"

> "K#{'ubernete'.length}s"
=> "K8s"

https://github.com/kelseyhightower/kubernetes-the-hard-way

About me before Kubernetes The Hard Way



About me before Kubernetes The Hard Way

- I've been working/playing around with K8s together with Seph on my spare time (OT!)
 for 3 weeks on and off
- I've been able to deploy and manage apps with no prior intimate knowledge on Kubernetes (although I've read some high-level overview)

About me before Kubernetes The Hard Way

- Prior experience with other DevOps tools such as Docker Swarm (and compose) really helped
- Familiarization and experience with concepts like containerization, orchestration, infrastructure-as-code, declarative programming/configuration and others also helped me a lot
- Helm and Kustomize really helped with the application management in K8s

What is
Kubernetes
The Hard Way?



What is K8s The Hard Way?

• A tutorial designed to be a supplementary learning material for K8s concepts by walking you through deploying a K8s cluster "manually" this means without kubeadm or any other K8s deployment/management tools.

Notes

- Kubernetes the hard way is a supplementary learning material
- You don't need to do Kubernetes the hard way to deploy an app
- You don't need to know every Kubernetes concepts to deploy apps to Kubernetes
- We're not going to be deploying or managing the K8s cluster by ourselves like we did
 with our Swarm cluster
 - DigitalOcean Managed Kubernetes/GKE/EKS

My Experience with Kubernetes The Hard Way



My Experience

- One day isn't enough (for me)
- The hard way is tedious and easy to mess up if you're setting it up by yourself.
- It really made me appreciate K8s management platforms (DigitalOcean)
- This tutorial one of the best tools to start learning about how Kubernetes works
 - Follow the instruction, then read the concepts and repeat.

Tips on Learning Kubernetes

- Know what Kubernetes is and is supposed to do.
- Start by learn to deploy an app to kubernetes (minikube).
- Stick to high level concepts to maintain momentum and progress
- Familiarize yourself with kubectl
- Familiarize yourself with tools such as Kustomize and more importantly Helm and always be aware of what they're doing
- Documentation is your best friend
- Knowing your way around the shell terminal and its tools will make the learning process and execution faster

Links

- https://kubernetes.io/docs/tasks/tools/ (stick to minikube or kind instead of kubeadm to be efficient at learning)
- https://kubernetes.io/docs/concepts/overview/
- https://kustomize.io/
- https://helm.sh/docs/