



# Kubernetes Hands-On WORKSHOP SETUP

## Scale15x - Pasadena, CA

March 3, 2016

<http://bit.ly/k8s-scale15x-setup>

# Workshop Setup

# Workshop Setup - kubectl

1) Download the kubectl command-line tool:

a) Linux (amd64):

```
curl -LO https://storage.googleapis.com/kubernetes-release/release/$(curl -s https://storage.googleapis.com/kubernetes-release/release/stable.txt)/bin/linux/amd64/kubectl && chmod +x kubectl && sudo mv kubectl /usr/local/bin/
```

b) OSX (amd64):

```
curl -LO https://storage.googleapis.com/kubernetes-release/release/$(curl -s https://storage.googleapis.com/kubernetes-release/release/stable.txt)/bin/darwin/amd64/kubectl && chmod +x kubectl && sudo mv kubectl /usr/local/bin/
```

2) Verify that kubectl is installed and working:

```
$ kubectl version
```

Official setup notes: <https://kubernetes.io/docs/user-guide/prereqs/#install-kubectl-binary-via-curl>

# Workshop Setup - minikube

- 1) use native virtualization, or install VirtualBox
- 2) Download minikube and add it to your \$PATH

a) Linux:

```
curl -Lo minikube
https://storage.googleapis.com/minikube/releases/v0.17.1/minikube-linux
-amd64 && chmod +x minikube && sudo mv minikube /usr/local/bin/
```

b) OS X:

```
curl -Lo minikube
https://storage.googleapis.com/minikube/releases/v0.17.1/minikube-darwi
n-amd64 && chmod +x minikube && sudo mv minikube /usr/local/bin/
```

- 3) Run a basic test of the system:

```
$ minikube start
$ kubectl get nodes
```

Official setup notes:

<https://github.com/kubernetes/minikube/releases>

# Alternate Setup - minikube w/ rkt

- 1) Pre-requisites: covered on the previous slides
- 2) Start minikube with rkt support:

```
$ minikube start \  
  --network-plugin=cni \  
  --container-runtime=rkt
```

- 3) Run a basic test of the system:

```
$ kubectl get nodes
```

Official setup notes:

<https://github.com/kubernetes/minikube#using-rkt-container-engine>

# Switching Context

Making use of multiple kubernetes clusters?

Switch your CLI context with the following command:

```
$ kubectl config use-context minikube
```

# Cleanup

To clean up your minikube environment

Stop the current minikube VM:

```
$ minikube stop
```

Delete the VM:

```
$ minikube delete
```



“All Aboard!”

한진 타이페이  
HANJIN TAIPEI  
HAMBURG



**Next Steps available in session...**

# See you soon!

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