





KUBERNETES MADE EASY

Step by Step Hands-on



Srinath Challa

Certified:

Certified Kubernetes Administrator (CKA)

Puppet | Ansible | VMWare | Linux | AIX | ITIL

Experience

Helping companies since 10+ years

Education

Bachelors & Masters in Computer Science

Kubernetes **Made Easy**

Section-1: Prerequisites

- Monolithic
- MicroServices
- Containers
- Physical vs. VM vs. Containers
- Docker

Section-2: Introduction to Kubernetes

- Container Orchestration Engine
- Top-3 COEs
- Kubernetes?
- Kubernetes Architecture

Section-3: Setting up Kubernetes

- Kubernetes Installation Methods
- Play-With-K8s (+Demo)
- Minikube (+Demo)
- Google Kubernetes Engine (+Demo)
- Kubectl (+Demo)
- Kubectl

Section-4: Pods

- Pods (+Demo)

Section-5: Pod Configuration

- ConfigMaps (+Demo)
- Secrets (+Demo)

Section-6: Controllers

- Replication Controller (+Demo)
- ReplicaSet (+Demo)
- Deployments (+Demo)
- DaemonSet (+Demo)
- Jobs (+Demo)

Section-7: Services

- Services?
- NodePort Service (+Demo)
- LoadBalancer Service (+Demo)
- ClusterIP Service (+Demo)

Section-8: Storage

- Volumes?
- emptyDir (+Demo)
- HostPath (+Demo)
- GCE PersistentDisk (+Demo)
- PV & PVC
- Static Volume Provisioning (+Demo)
- Dynamic Volume Provisioning (+Demo)

Why this course?

Step by Step

15+ hours
