

1. Workshop Introduction

▼ 2. Introduction to Kubernetes

▼ Kubernetes (k8s) Basics

What is Kubernetes

Kubernetes Nodes

K8s Objects Overview

K8s Objects Detail (1/2)

K8s Objects Detail (2/2)

▼ Kubernetes Architecture

Architectural Overview

Control Plane

Data Plane

Kubernetes Cluster Setup

▼ Amazon EKS

EKS Cluster Creation Workflow

What happens when you create your EKS cluster

EKS Architecture for Control plane and Worker node communication

High Level

Amazon EKS!

▶ 3. Start the Workshop

▶ 4. Terraform Primer (Optional)

▶ 5. Creating a private EKS Cluster with Terraform

▶ 6. Extra Activities (Optional)

▶ 7. Using Fargate (Optional)

▶ Conclusion

▶ Cleanup

K8s Objects Detail (2/2)

ReplicaSet

Ensures a defined number of pods are always running

- [See the official Kubernetes ReplicaSets documentation for more](#) 

Job

Ensures a pod properly runs to completion

- [See the official Kubernetes Jobs documentation for more](#) 

Service

Maps a fixed IP address to a logical group of pods

- [See the official Kubernetes Service documentation for more](#) 

Label

Key/Value pairs used for association and filtering

- [See the official Kubernetes Labels documentation for more](#) 