



▼ 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)

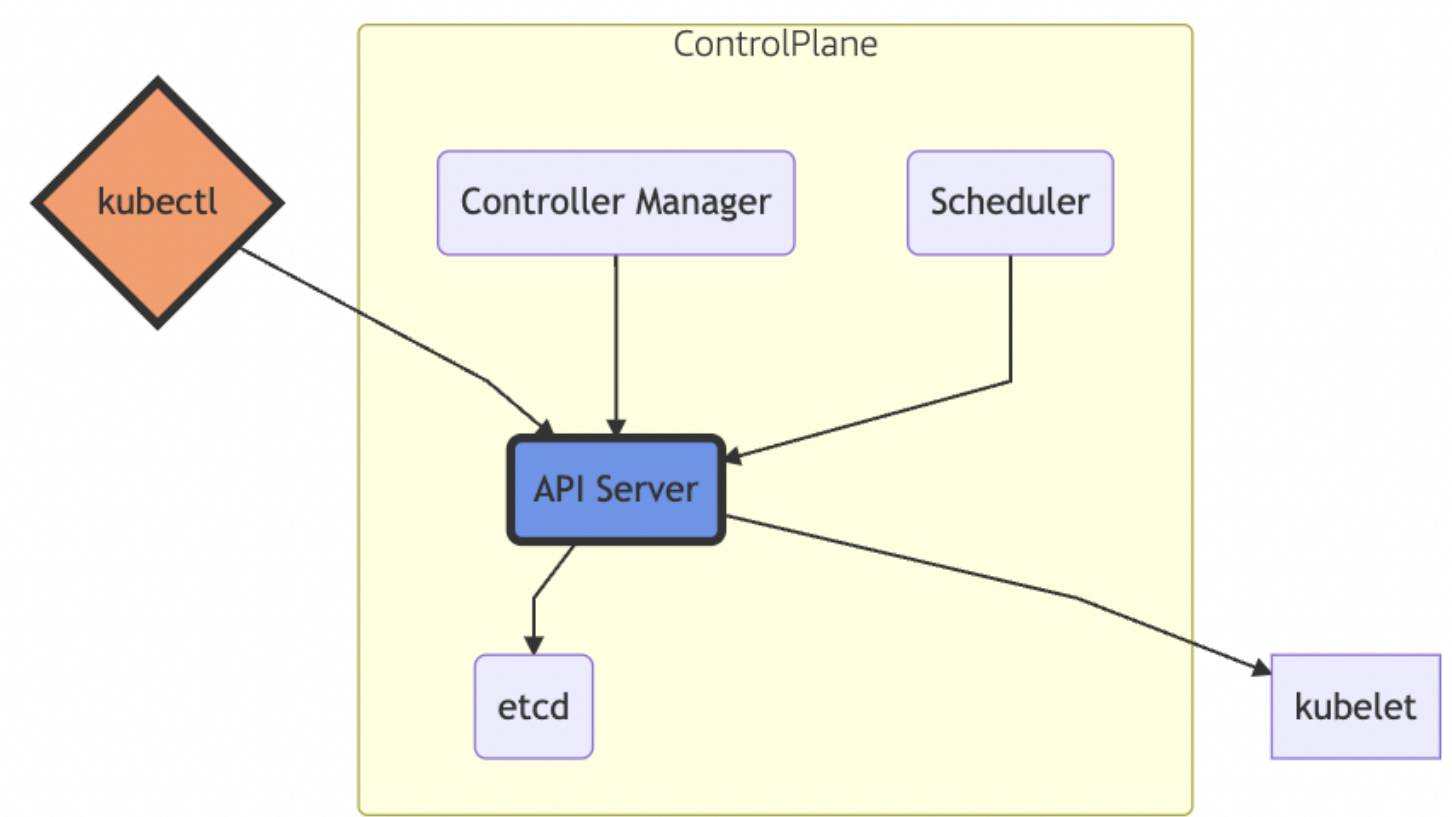
► Conclusion

► Cleanup

# Control Plane



The control plane manages the worker nodes and the pods on the worker node. It provides a manager control plane.



- One or More API Servers: Entry point for REST / kubectl
- etcd: Distributed key/value store
- Controller-manager: Always evaluating current vs desired state
- Scheduler: Schedules pods to worker nodes

Check out [the official Kubernetes documentation](#) for a more in-depth explanation of control plane components.