

Kubernetes

Kubernetes is an open source container scheduling and orchestration system. It automatically schedules containers to run evenly among a cluster of servers.

API Server
Front End Control Plane. We interact directly. Internal system components and external user all communicate via the same API

(etcd)
Key-Value Store. A database used to backup all cluster data. Entire config and state of cluster

Scheduler
Watches for new request from API Server and assigns them to healthy nodes

Controller
Obtains Cluster desired state from API Server. Checks current state of the EC2 worker nodes



