

Kubernetes Architecture

Worker Nodes

Worker Node provides a running environment for client applications. Though containerized microservices, these applications are encapsulated in **Pods**.

Pods are the **smallest** deployable **units** of computing that you can create and manage in Kubernetes.

A Pod is a group of one or more containers, with shared storage and network resources.

Master Nodes

The master node provides a running environment for the **control plane** responsible for **managing** the state of a Kubernetes cluster, and it is the **brain** behind all operations inside the cluster.

In order to communicate with the Kubernetes cluster, users **send requests** to the **control plane** via a Command Line Interface (CLI) tool, a Web User-Interface (Web UI) Dashboard, or Application Programming Interface (API).

To persist the Kubernetes cluster's state, all cluster configuration data is saved to etcd.



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