COMPONENTS OF THE CONTROL PLANE

The Control Plane is what controls and makes the whole cluster function. To refresh

your memory, the components that make up the Control Plane are

 The etcd distributed persistent storage

 The API server

 The Scheduler

 The Controller Manager

These components store and manage the state of the cluster, but they aren’t what runs

the application containers.

COMPONENTS RUNNING ON THE WORKER NODES

The task of running your containers is up to the components running on each

worker node:

 The Kubelet

 The Kubernetes Service Proxy (kube-proxy)

 The Container Runtime (Docker, rkt, or others)

ADD-ON COMPONENTS

Beside the Control Plane components and the components running on the nodes, a

few add-on components are required for the cluster to provide everything discussed

so far. This includes

 The Kubernetes DNS server

 The Dashboard

 An Ingress controller

 Heapster, which we’ll talk about in chapter 14

 The Container Network Interface network plugin