

Kubernetes

- Kubernetes is a container Management (Orchestration) Tool
- Developed by Google and donated to Cloud Native computing foundation(CNCF)
- Open source written in golang
- Also called as K8's

Kubernetes

- Kubernetes automates deploying, scaling and managing containerized application of a group of server's
- Some of the Container Orchestration tools are below



Kubernetes



container Management tool



Manages containerized applications

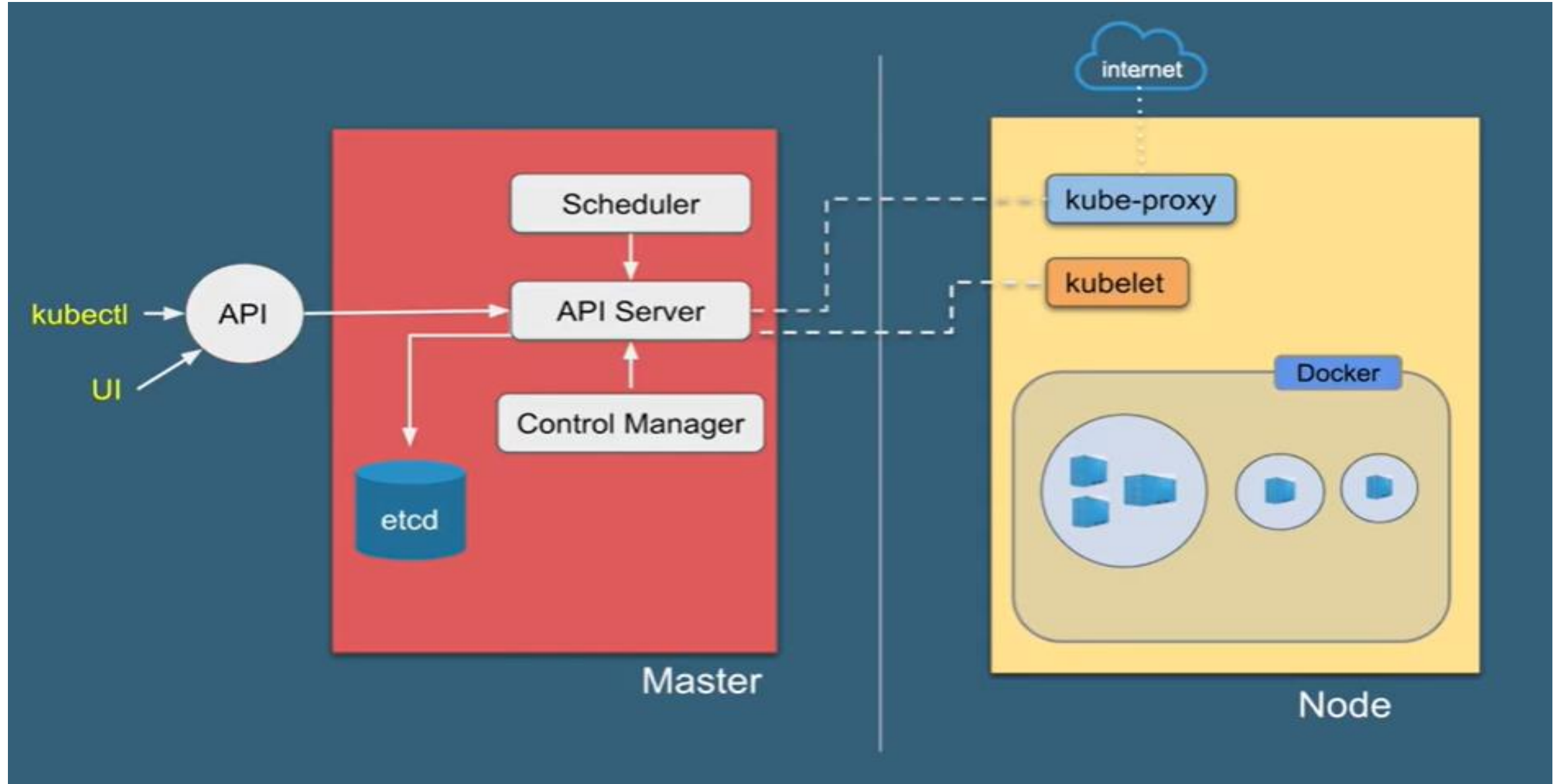


Applications available on a container platform like
Docker

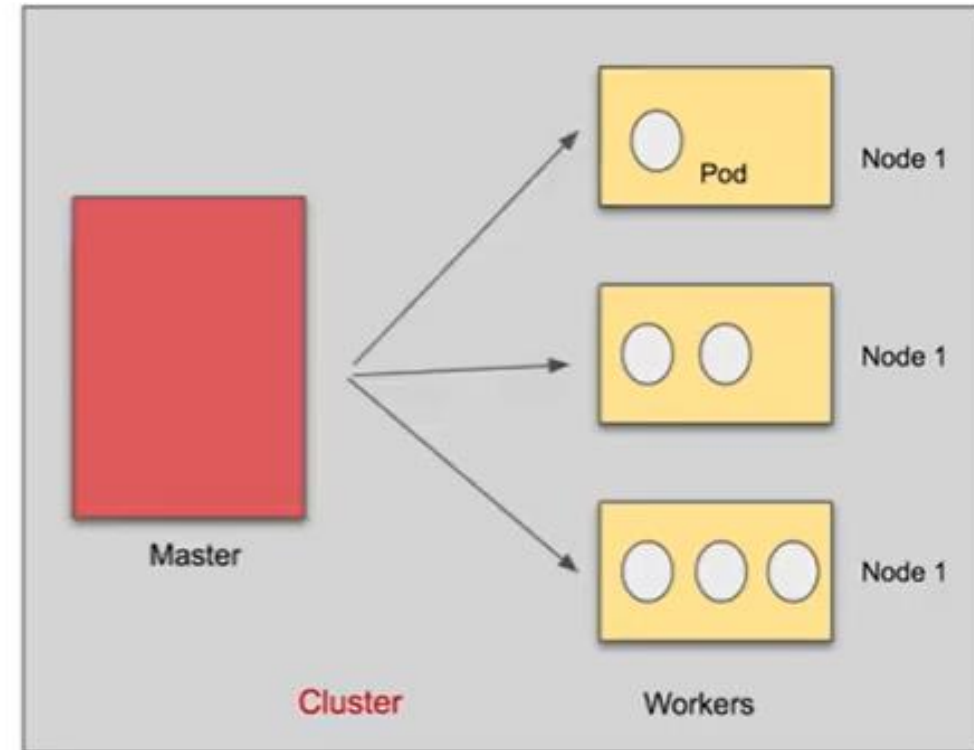
deploying
scheduling
scaling
Load balancing



Kubernetes -Architecture

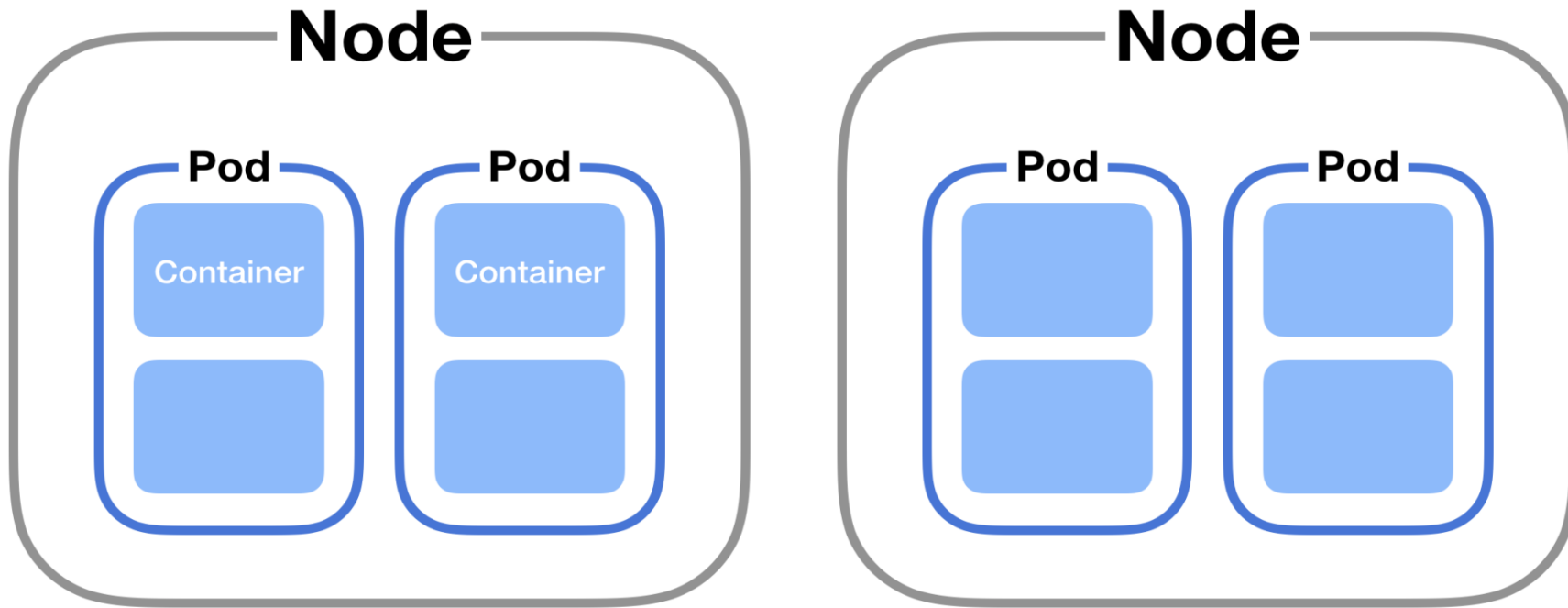


Kubernetes -Architecture



Kubernetes

Cluster



Kubernetes

Features of Kubernetes

- Automatic bin Packing
- Service Discovery and Load balancing
- Storage Orchestration
- Self Healing
- Automated rollouts & Rollbacks
- Secret and Configuration Management
- Batch Execution
- Horizontal Scanning