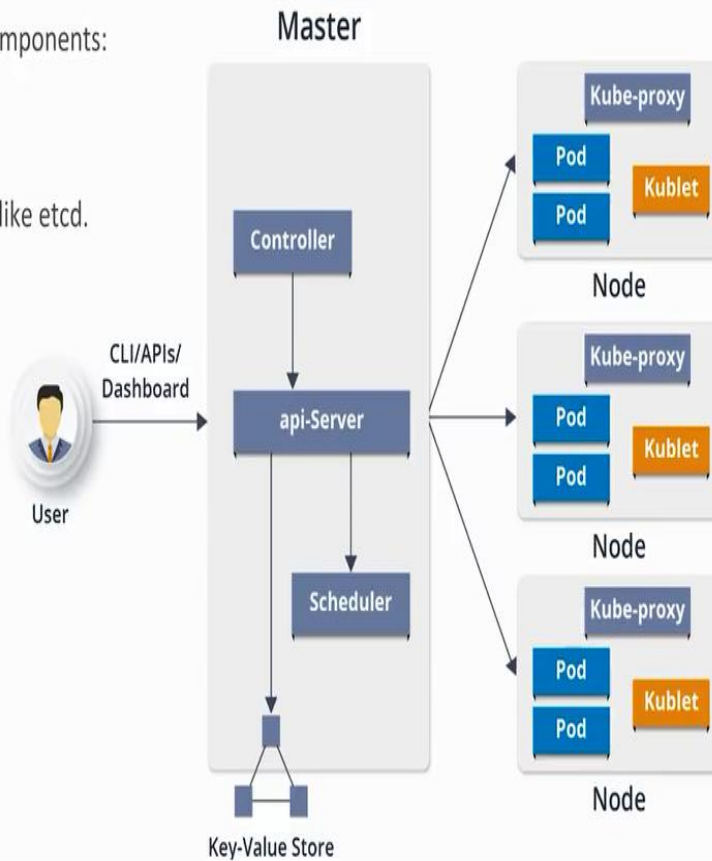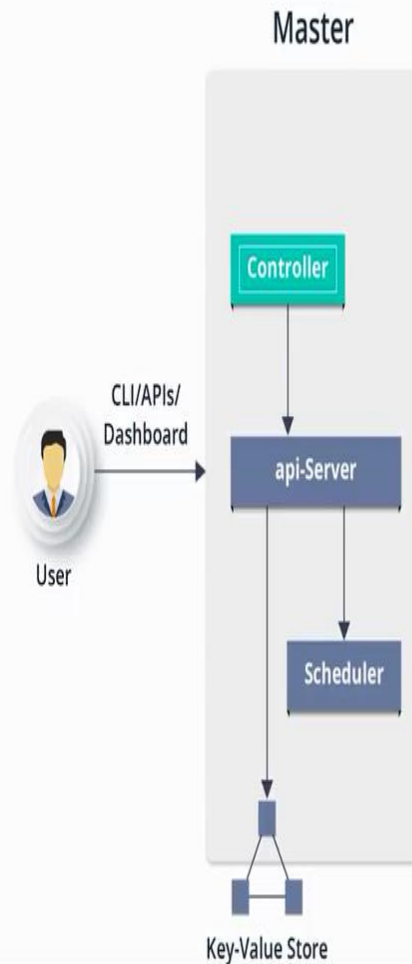# Kubernetes Architecture

- Kubernetes has the following main components:

    - Master nodes

    - Worker nodes

    - Distributed key-value store, like etcd.

Kubernetes Architecture - Master Node Components

- A master node has the following components:

  - API server
  - Scheduler
  - Controller manager
  - etcd.

Master

Controller

CLI/APIs/ Dashboard

User

api-Server

Scheduler

Key-Value Store
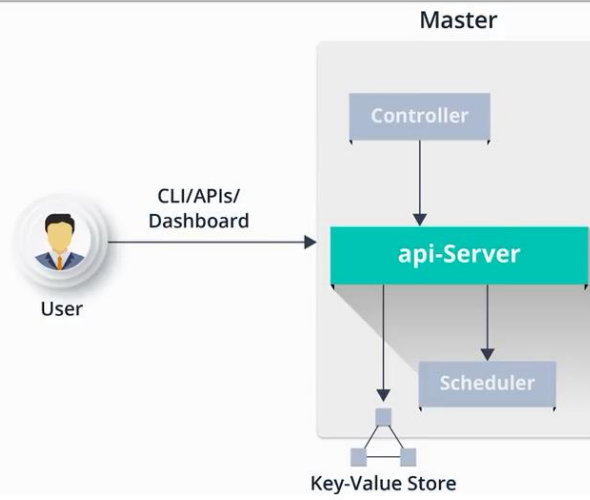
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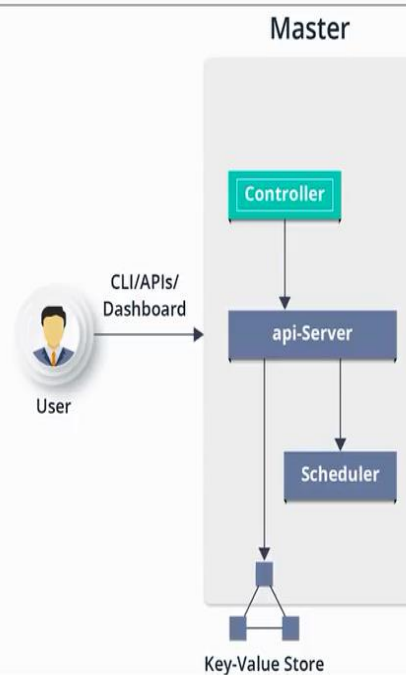
Master Node Components: API Server

Worker Node
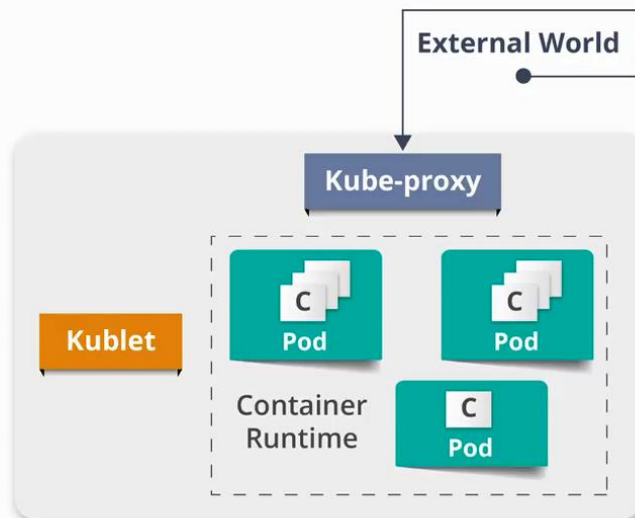
Network Setup Challenges