

## Chapter 5 Installing Kubernetes

- Four major installation types
  - All-in-One Single-Node Installation
    - All the master and worker components are installed and running on a single-node
    - Minikube
    - For learning, dev, testing
    - Not for prod!
  - Single-Node etcd, Single-Master and Multi-Worker Installation
    - Master node runs etcd instance
    - Multiple worker nodes connected to master node
  - Single-Node etcd, Multi-Master and Multi-Worker Installation
    - Multiple master nodes in HA mode
    - Single-node etcd instance
    - Multiple worker nodes connected to the master nodes
  - Multi-Node etcd, Multi-Master and Multi-Worker Installation
    - Recommended
    - Etcd nodes in HA mode
    - Master nodes in HA mode
    - Multiple worker nodes to master nodes