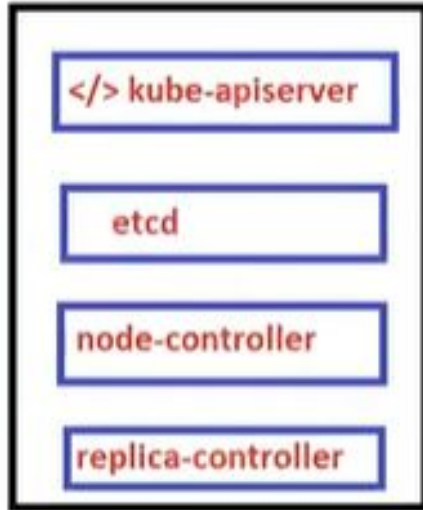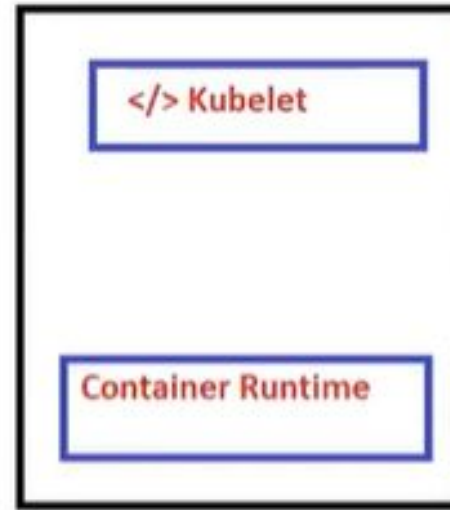# Installation of Kubernetes on Windows

What is Kubernetes?
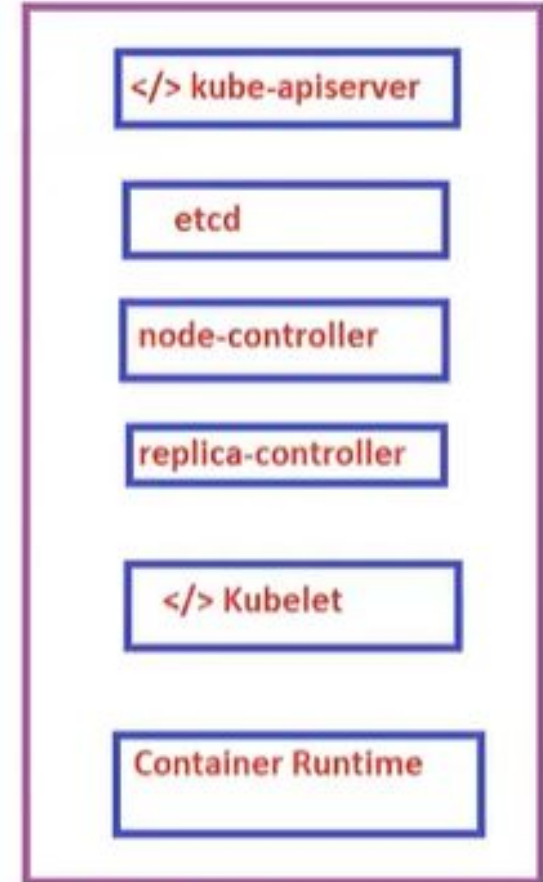*Kubernetes is an open-source system for automating deployement, scaling,and management of containerized applications.*

Master Node

- </> kube-apiserver
- etcd
- node-controller
- replica-controller

Master Node

Worker Node

- </> Kubelet
- Container Runtime

Worker Node

Minikube

- </> kube-apiserver
- etcd
- node-controller
- replica-controller
- </> Kubelet
- Container Runtime

Minikube:

It'll provide all components in single image

CHOCOLATEY

PROBLEM

- We often hear that managing Windows software can be a frustrating or time-consuming experience. In addition, teams may have some automated approaches, but have identified gaps in the experience. Newer automation approaches (DevOps) and configuration management tools still don't fully address Windows software management in an easy and maintainable way.

CHALLENGES

Some of the common challenges include:

- **TIME:** Manual approach to software deployment is time consuming & inefficient

- **COMPLEXITY:** Traditional tools are complex & ineffective in today's IT environment

- **COST:** Deploying & managing Windows software without standard package management results in additional overheads

[Chocolatey Software | How Chocolatey Works](#)

cURL

- cURL, which stands for client URL, is a command line tool that developers use to transfer data to and from a server.

[curl](#)

[curl - Tutorial](#)

- [Install and Set Up kubectl on Windows | Kubernetes](#)
- [minikube start | minikube (k8s.io)](#)

- [Kubernetes - Kubectl (tutorialspoint.com)](#)