

# Kubernetes

Kubernetes??Google??????Cloud Native Computing Foundation???? ???, ??Docker??

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# Learning Kubernetes

## Introduction

- [RedHat] [Start learning Kubernetes from your local machine](#)
- [Kubernetes Features Explained In Detail](#)

## Installation

- [Kubernetes Cluster Deployment on CentOS Linux \(learncodeonline.in\)](#)
- [Kubernetes Home Lab: Ultimate Guide for 2025!](#)

## Tutorials

- [Video] [i built a Raspberry Pi SUPER COMPUTER!! // ft. Kubernetes \(k3s cluster w/ Rancher\)](#)
- [The Ultimate Kubectl Cheat Sheet](#)
- [Monitor Uptime of Endpoints in K8s using Blackbox Exporter](#)
- [Kubernetes CLI \(kubectl\) tips you didn't know about](#)
- [Create a Kubernetes Cluster using Virtualbox — The Hard Way](#)

## SSL

- [Automatically provision and manage TLS certificates in Kubernetes](#)

## Kubernetes Python Client

- <https://github.com/kubernetes-client/python>

# Kubernetes basics

## Control plane vs worker nodes

### **Control Plane:**

- The control plane is installed on your master node
- Can be both a control plane node and a worker node
- It houses the API server, scheduler, and controller manager settings

### **Worker Nodes:**

- This is where the kubelet and kube-proxy are installed
- You can use the kubeadm join command to join workers to the master node to form the cluster