



Star	898	Fork	152	Watch	52	Follow @collabnix	0
------	-----	------	-----	-------	----	-------------------	---

# What is Kubernetes Scheduling?

Kubernetes - Beginners | Intermediate | Advanced

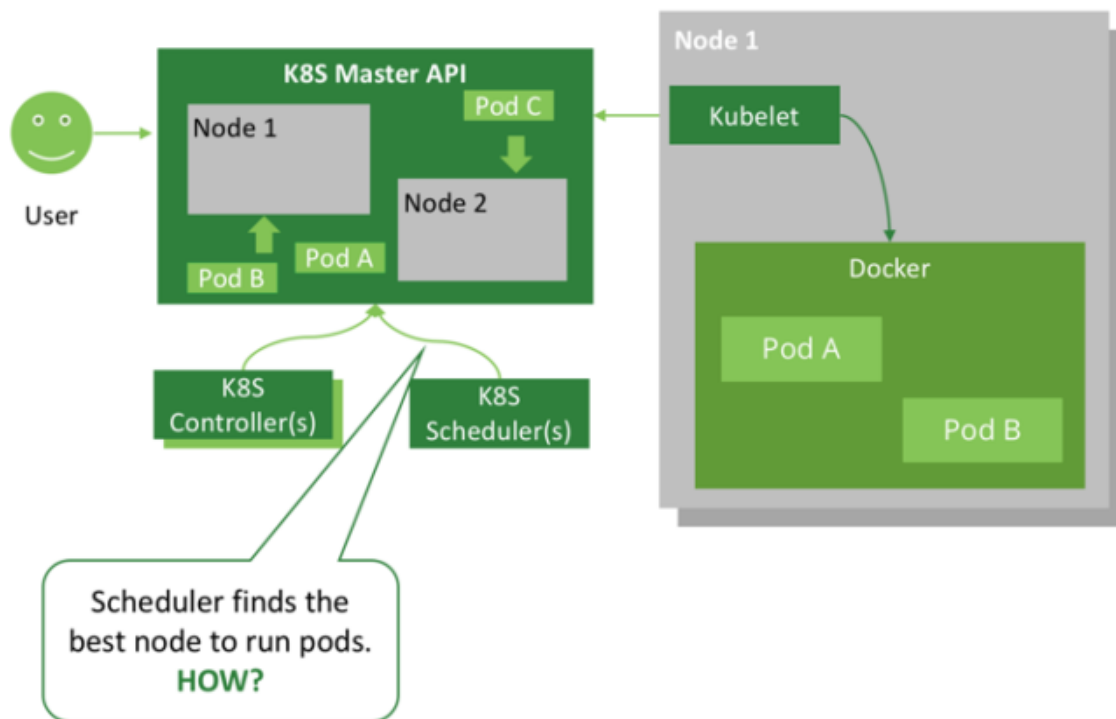
[View on GitHub](#) [Join Slack](#)

## What is Kubernetes Scheduling?

- The Kubernetes Scheduler is a core component of Kubernetes: After a user or a controller creates a Pod, the Kubernetes Scheduler, monitoring the Object Store for unassigned Pods, will assign the Pod to a Node. Then, the Kubelet, monitoring the Object Store for assigned Pods, will execute the Pod.

## what is the scheduler for?

# Kubernetes | Container Orchestration



The Kubernetes scheduler is in charge of scheduling pods onto nodes. Basically it works like this:

1. You create a pod
2. The scheduler notices that the new pod you created doesn't have a node assigned to it
3. The scheduler assigns a node to the pod

It's not responsible for actually running the pod – that's the kubelet's job. So it basically just needs to make sure every pod has a node assigned to it. Easy, right?

Kubernetes in general has this idea of a "controller". A controller's job is to:

- look at the state of the system
- notice ways in which the actual state does not match the desired state (like "this pod needs to be assigned a node")
- repeat

The scheduler is a kind of controller. There are lots of different controllers and they all have different jobs and operate independently.

## How Kubernetes Selects The Right node?

[Next »](#)

---


### Join KubeDaily

9 Members Online

#### Support

##### MEMBERS ONLINE

 Aman Manapure

 h3ll\_boY


 MEE6

 Nitinkashyap

Apex Legends

 ojaswa

 Parmeshwar

 prasad

 trimankaur

 vikas027

---

Free voice chat from Discord

Connect

[Tweets by collabnix](#)

**kubelabs** is maintained by **collabnix**.

This page was generated by [GitHub Pages](#).