

KUBERNETES



**A PERSON
WHO
STEERS A
SHIP OR
BOAT**

KUBERNETES

κυβερνήτης

HELMSMAN

FUNCTION OVERVIEW

- Blank

What is Kubernetes?

- Open source project
- Organizers containers
- Optimization is key

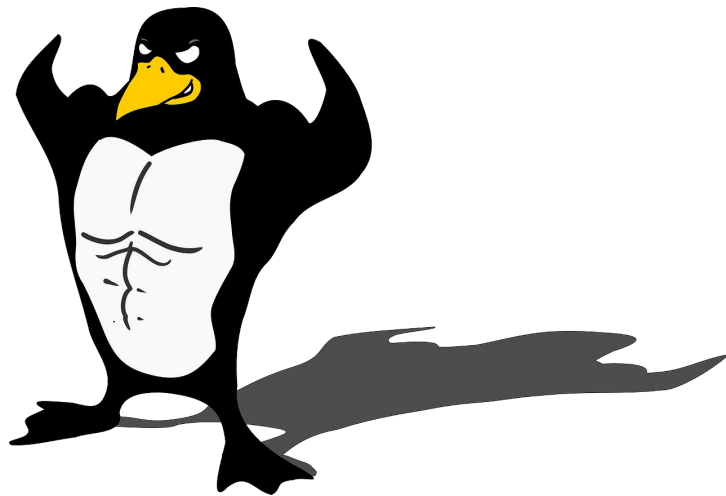
BRIEF HISTORY

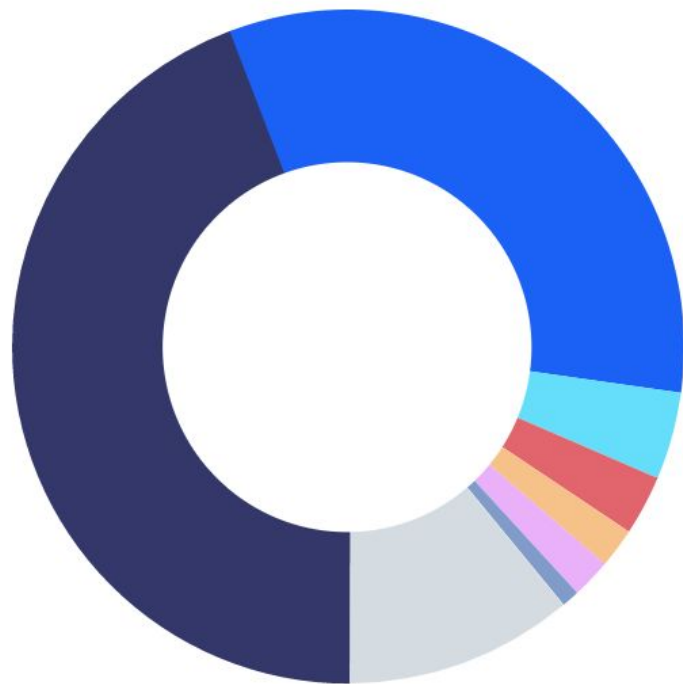
- Google project
 - Genesis in 2014, first release in 2015
 - Brendan Burns, Villie Aikas, Joe Beda, Craig McLuckie
- Inspired by Borg
 - Older cluster organizer
 - Directly influenced development
- Handed over to CNCF
 - Cloud Native Computing Foundation
 - Google and Linux Foundation
- Project 7
 - Seven of Nine
 - Ex-Borg



BEST IN CLASS

- 21 releases to date
 - N-3 support
- GitHub star
 - 9th place in total commits
 - 2nd place in author and issue count
 - Behind only the Linux kernel
- Holds the majority of users for a microservice implementation
- Big things
 - Brendan Burns - Microsoft Azure
 - Joe Beda, Craig McLuckie - VMware





- Kubernetes
- Docker Swarm
- OpenShift by Red Hat
- Apache Mesos
- Marathon
- Nomad by HashiCorp
- CoreOS Tectonic
- Other

DEEP DIVE

- Blank

KIND

- Blank



What does Kubernetes actually do?

- Manages containers
- Directs traffic
- Updates containers