## KUBERNETES

 Configuration Monagement. - chef, Puppet. [mmutability] -> (keliability) Package Managers Managing Containers bundle as a funtend Monolittic Applications Micro Services different vou. -containers different Servers. - fault Isolation -) how to manage? + How to communicate Mersage with each other? Networking V.M is not cool for Scalability One app One Hence Docker

Orchestrator
helps us in deploying and managing approcation
dynamically.
-> Deploy -> Zero-downtine updales -> Cloud-native
-> Zero-douentine updales
-> Scale
-> Heal Containers.
agracili bulo 1
* Kubernetes is much more than a Container Orchestra
Caixles des 1)
* Croogle made K8;
V
(Rybuneter) (08 of the Uoud)
Open Source in 2014 and donated it to CNCF
& CRI , Container Runtine Insuface.
containerd.
- introduction
Cluster -> Control Plane + nodes
The same of the sa
in the state of th
Control Plane Worther Node

Cli Command line to Kulse CH is the Rubernetes tool . Pod - Scheduling unit in K85 Container  $(\tilde{1})$ Create Micro service 1 Containerise it 3 Put Container in Pods 4 Deploy these Pods to Controllu. Control Plane: > Schedul Stuff eted Schedular Kubert . API Server - > HTTPS: Port 443 Controller manager assign the 12 miles

Control Plan

Desired State curent Hose Malles dhe changes Differences Architecture

