

# Containers and Kubernetes

Marino Wijay - DevRel Dojo

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7. Application	HTTP, FTP, IRC, SSH, DNS
6. Presentation	SSL, SSH, IMAP, FTP, MPEG, JPEG
5. Session	API"S, Sockets, WinSock
4. Trasport	TCP, UDP
3. Network	IP, ICMP, IPSec, IGMP
2. Data Link	Ethernet, PPP, Switch, Bridge
1. Physical	Coax, Fiber, Wireless, hubs, Repeaters



**Load Balancers, Proxies,  
WAFs... API Gateways,  
*Service Mesh (Istio)***



**CNI (Cilium, Calico,  
Weave, Antrea)  
SDN (VPC, VXLAN)**



**Physical  
(Switches/Routers)  
x86 + ARM virtualization**

I'll tell you a joke but it makes no  
sense.

Cooper Netties walks into a store and  
walks out with a bunch of containers.  
Send help

*"Your Infrastructure  
Needs to D.I.E."*

- Timothy Mamo (@timothy\_mamo)

# How did we get here?

Resources

Automation

CICD

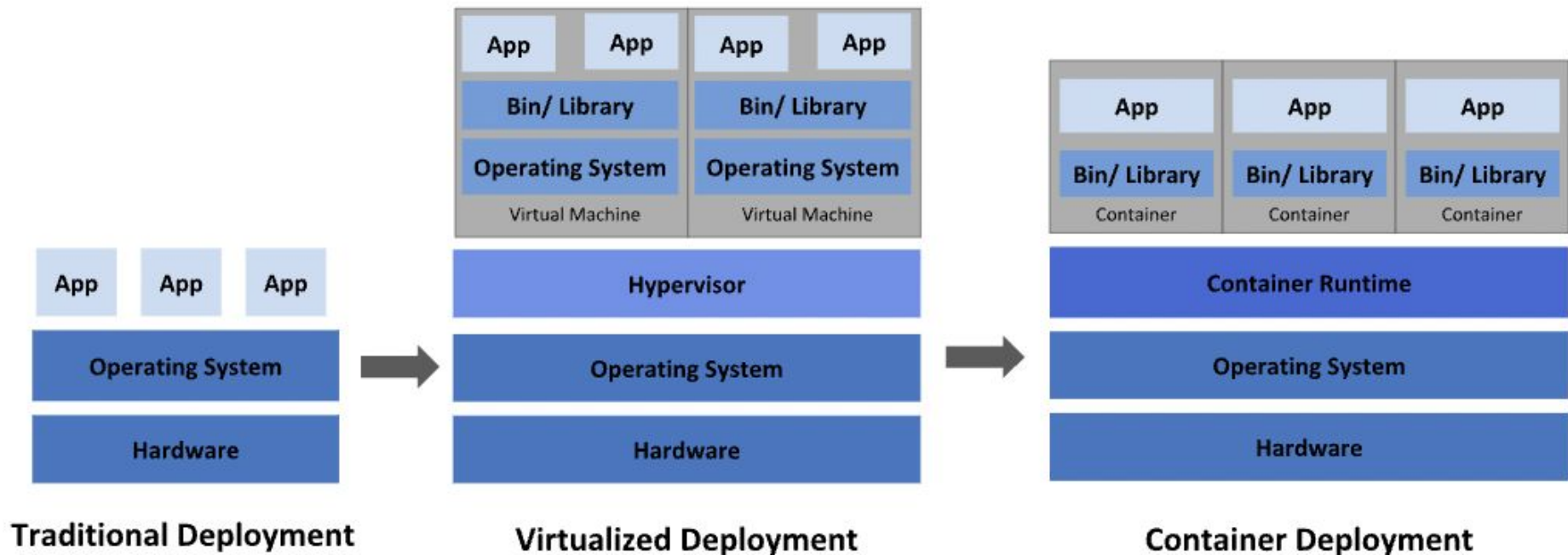
DevOps

YAML

Efficiency

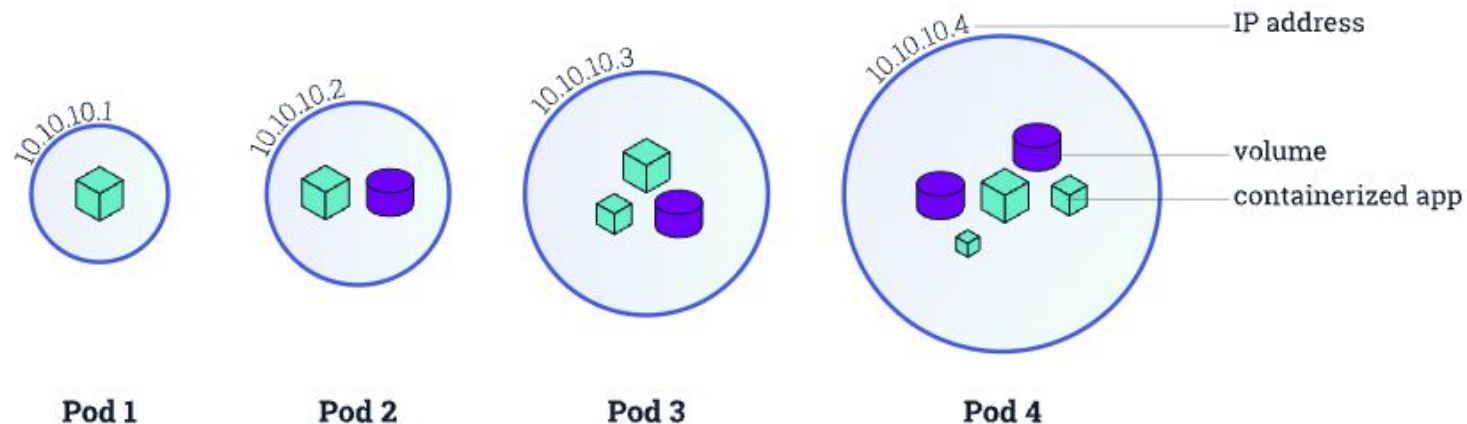
Cloud

# Client-Server - VMs - Containers



Source: <https://kubernetes.io/docs/concepts/overview/>

# Containers in Pods

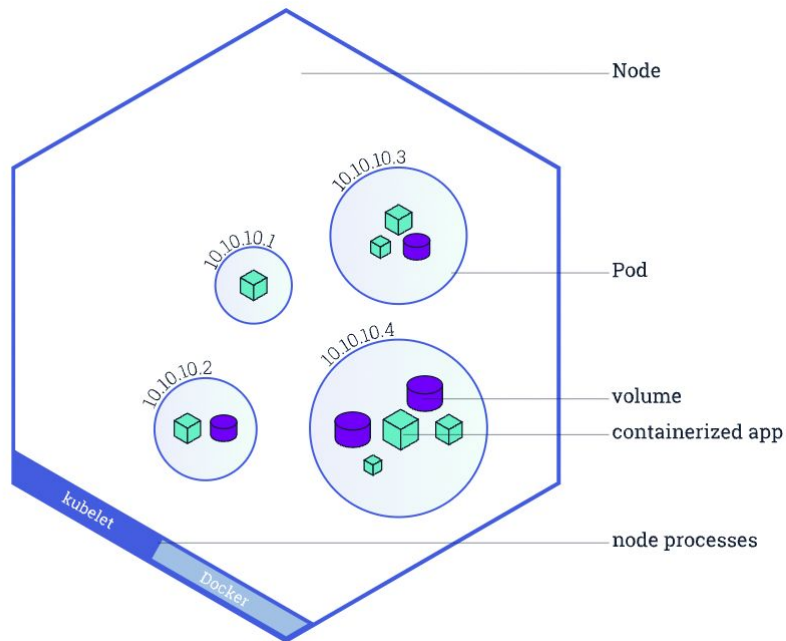


Source: <https://kubernetes.io/docs/tutorials/kubernetes-basics/explore/explore-intro/>

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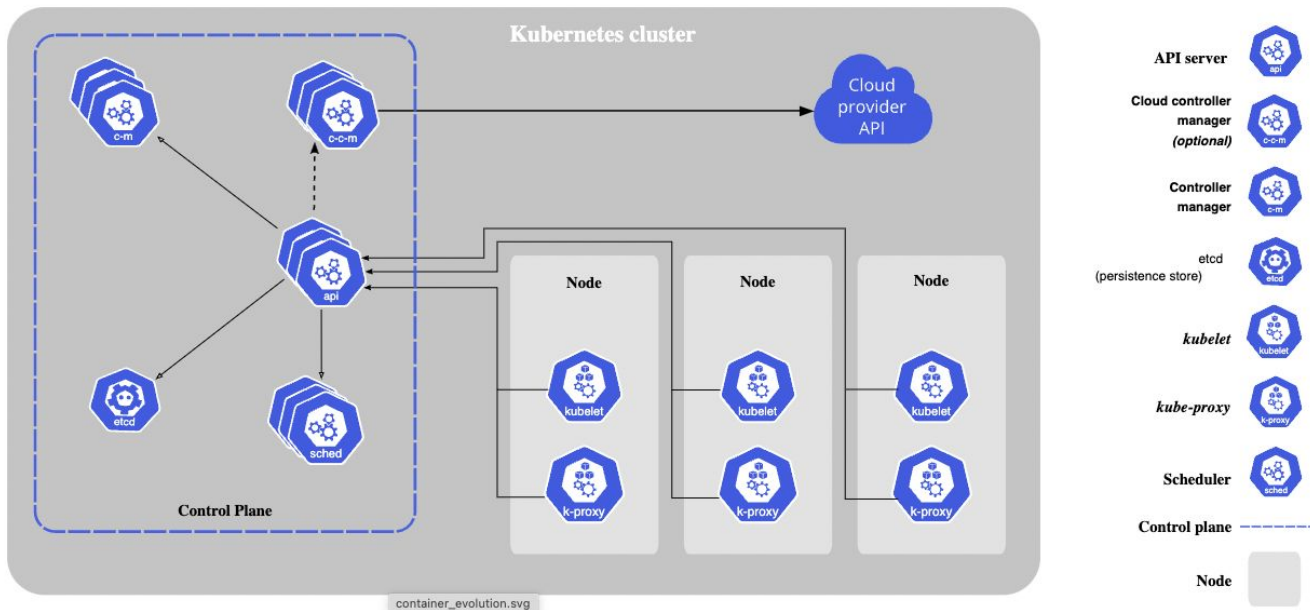


# Pods in Nodes



Source: <https://kubernetes.io/docs/tutorials/kubernetes-basics/explore/explore-intro/>

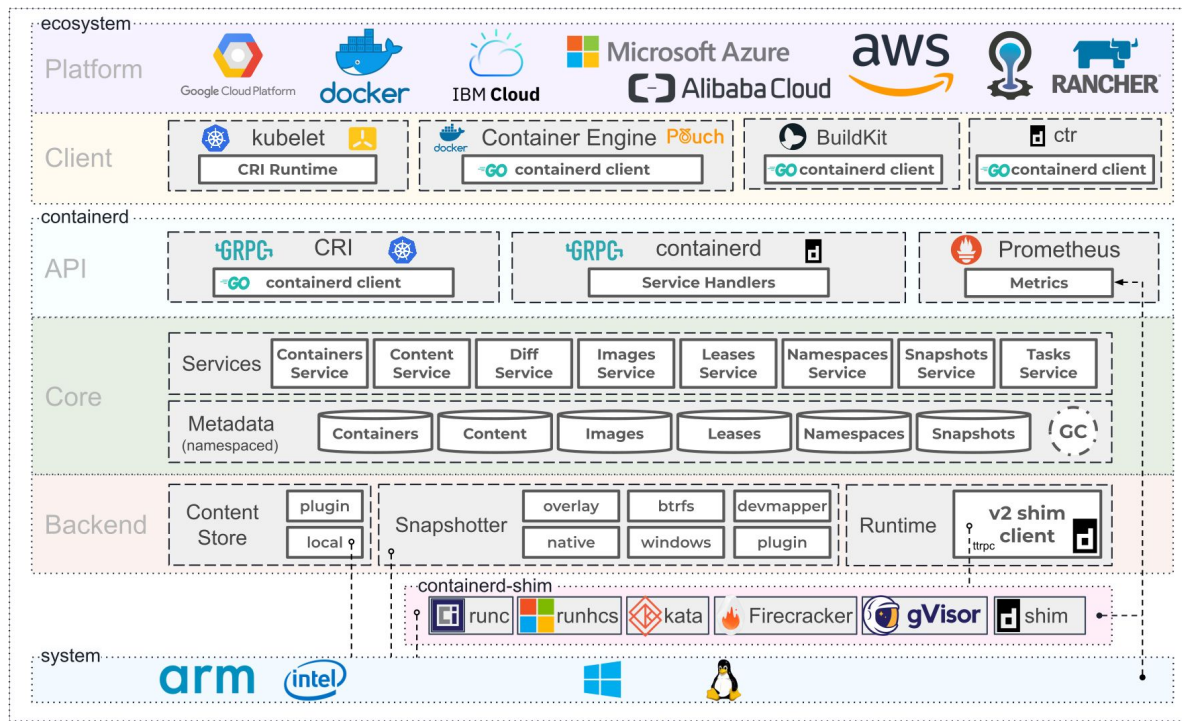
# A Look at Kubernetes



The components of a Kubernetes cluster

Source: <https://kubernetes.io/docs/concepts/overview/components/>

# The container/Kubernetes Landscape



Source: <https://containerd.io/>

# Learn More!

- [Kubernetes Docs and Tutorials \(Official\)](#)
- [Civo Kubernetes Academy](#)
- [Kubernetes Tutorials for Beginners - Kunal Kushwaha](#)
- [#100DaysofKubernetes - Anaïs Urlichs](#)