

Azure Kubernetes

Dave Rendon

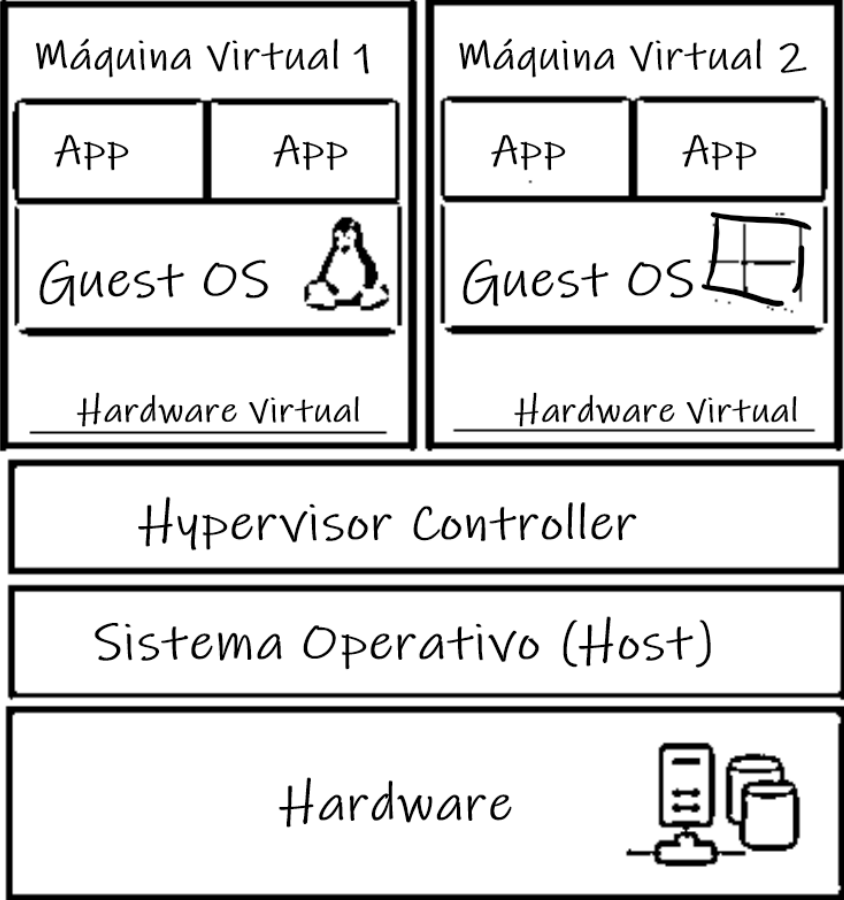
@DaveRndn

wiki.azure.com/blog

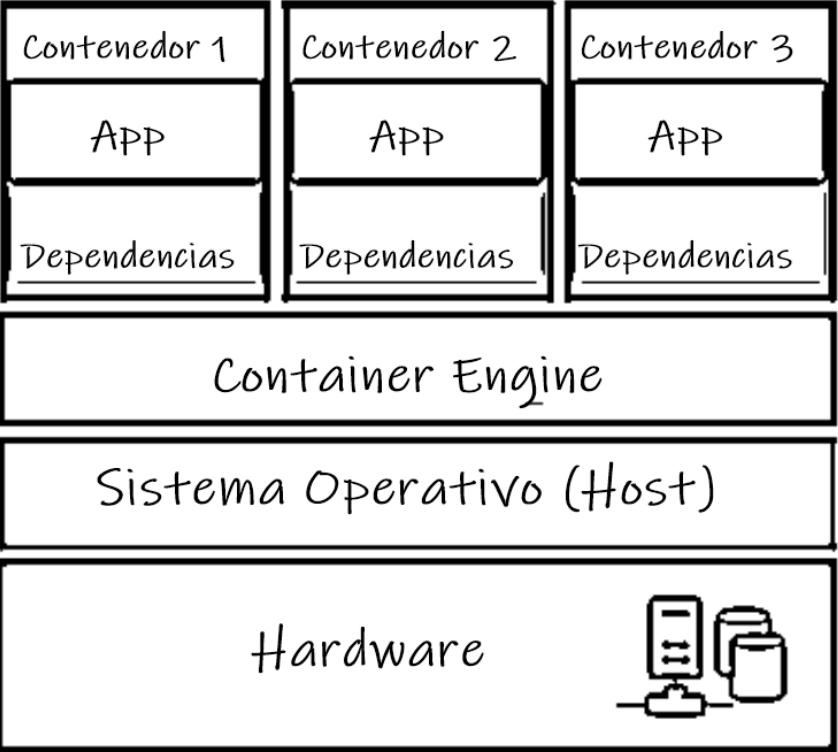
Agenda

- Kubernetes overview
- Azure Kubernetes service
- Deploy AKS
- Best practices
- Resources

Containers

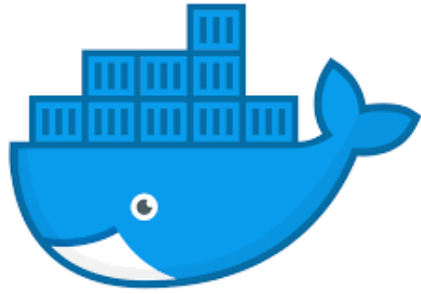


Máquinas virtuales
Virtualización de hardware

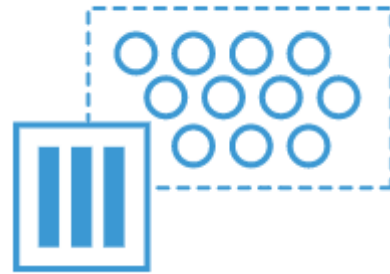


Contenedores
Virtualización del sistema operativo

Azure Offerings



Docker



**Azure
Container
Instances**



**Azure
Kubernetes
Service**

Kubernetes

OSS for automating deployment, scaling, and management of containerized applications

-- Orchestrate containers
(Docker..etc...)



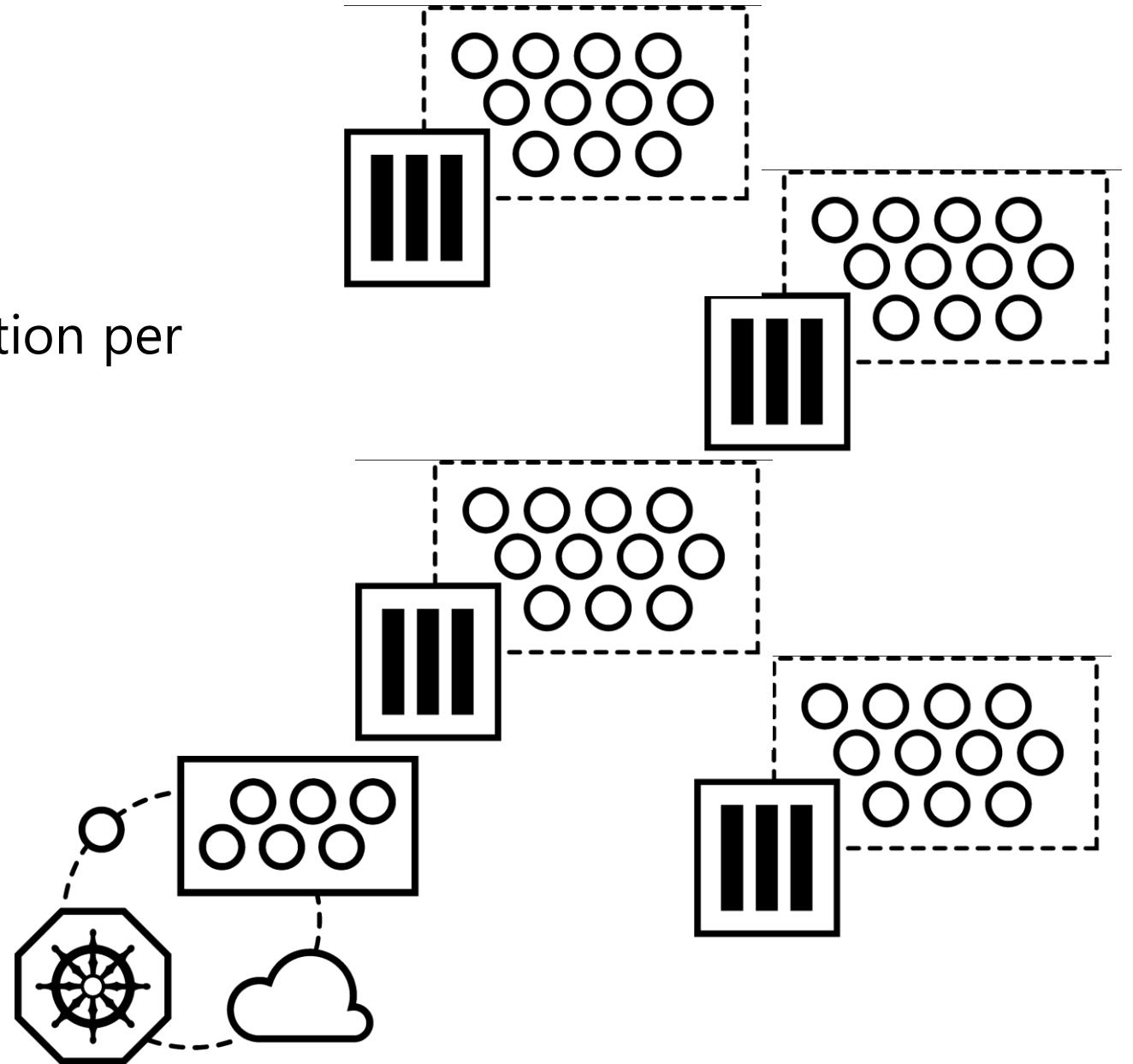
What problem solves?

Monolith to Microservices

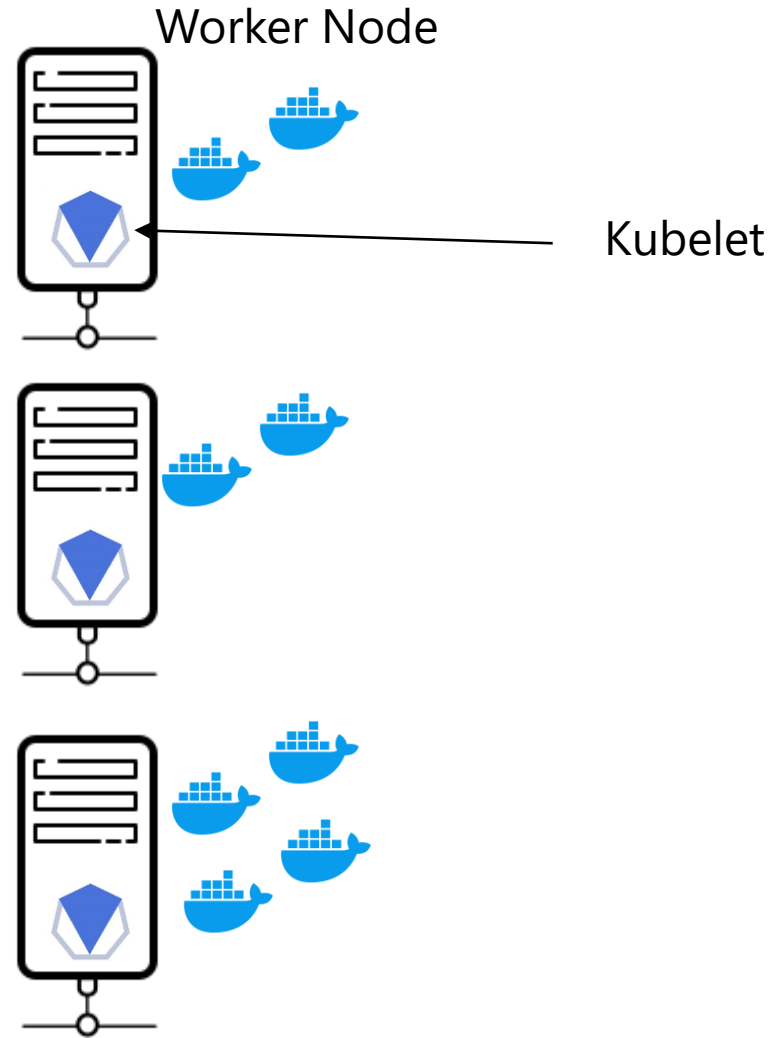
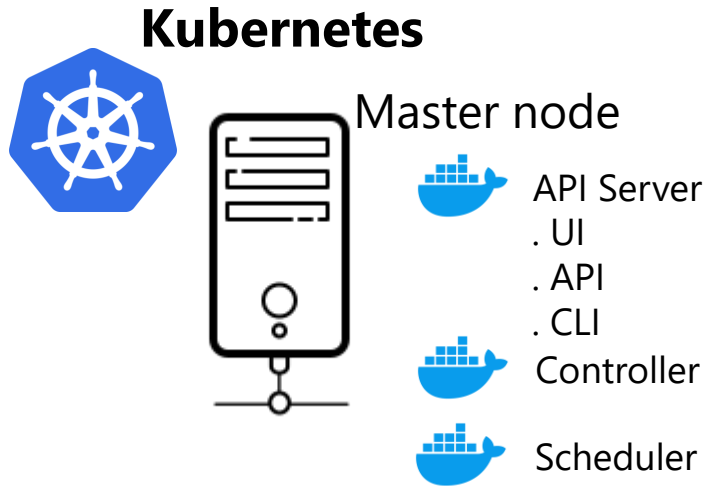
Container Usage+

Improved scale and resource utilization per service

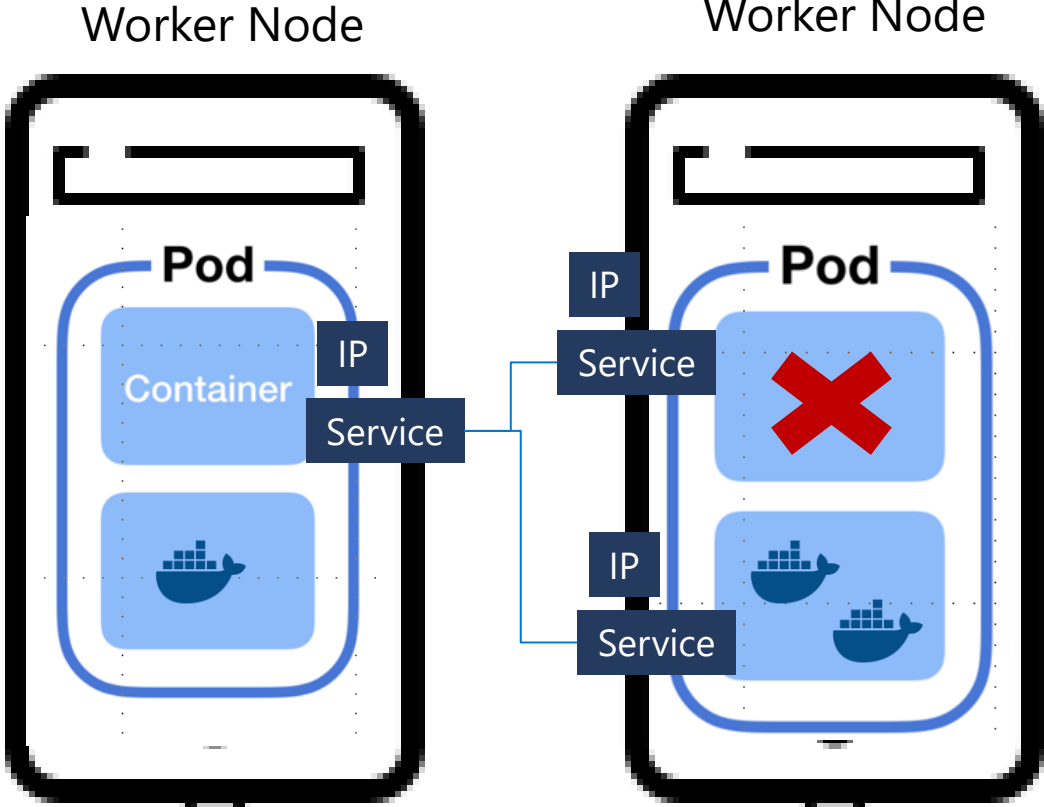
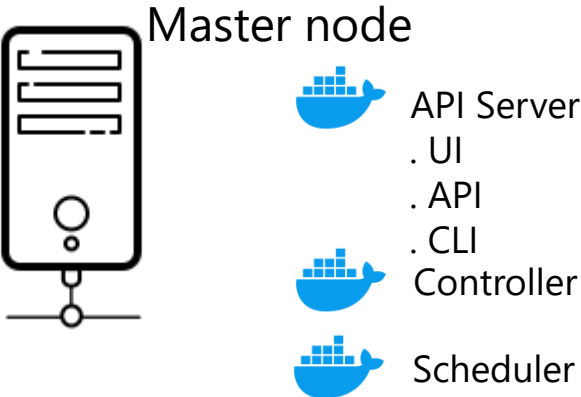
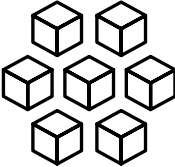
- Management tools
- HA
- Scalability
- DR



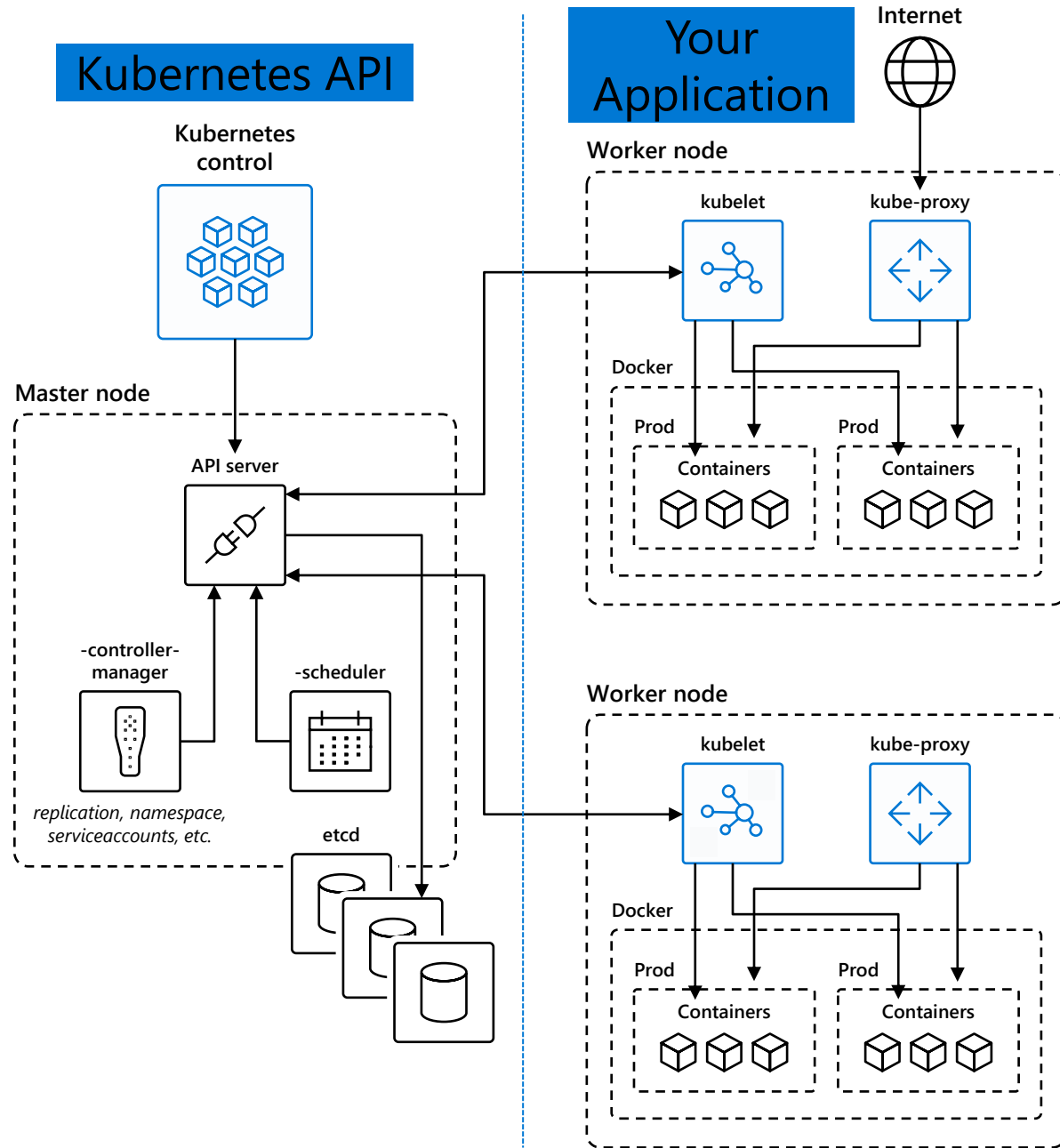
Kubernetes Architecture



Components



Kubernetes Architecture



Tools + Demo

Resources

Azure Fundamentals – Español

<https://bit.ly/az900-playlist>

Comunidad Azure Latam - Slack Channel

<http://bit.ly/azurelatam>

Azure Kubernetes

<https://www.youtube.com/watch?v=daVUONZqn88>

K8s learning path:

<https://github.com/microsoft/kubernetes-learning-path>

Kemp Ingress Controller:

<https://kemptechnologies.com/techpreviews/>

Thank you!