BIZAWAY

Contenedores y sistemas distribuidos: redes y monitoreo.

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Rodrigo Souto

- Fidessa, desarrollador de software
- Acenture/Amadeus ingeniero de software
- AistechSpace ingeniero de software
- Bizaway Project manager
- ...

Jorge Teixeira

- CM Sistemas Microinformáticos y Redes
- CS Desarr. de Aplicaciones Multiplataforma
- Grado en Ingeniería Informática (UDC)
- Bizaway: Dpto. Infraestructura (Junior)
- ...

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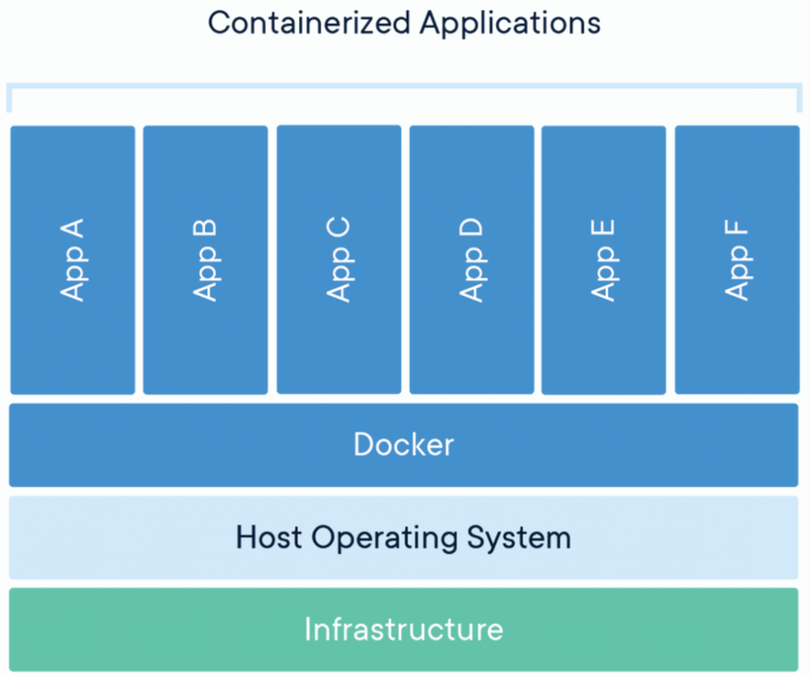
Que son los contenedores?

- OS virtualization
- Codigo y dependencias OS



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Limitaciones

- Seguridad
- Orquestracion contenedores
- Perdida de funcionalidades del SO
- Manejo de procesos hijo
- No hypervisor type 1

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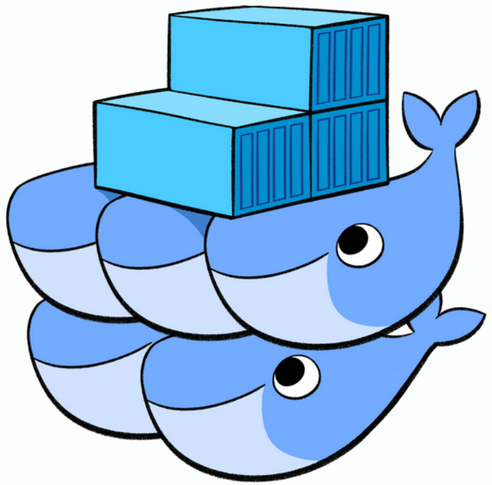
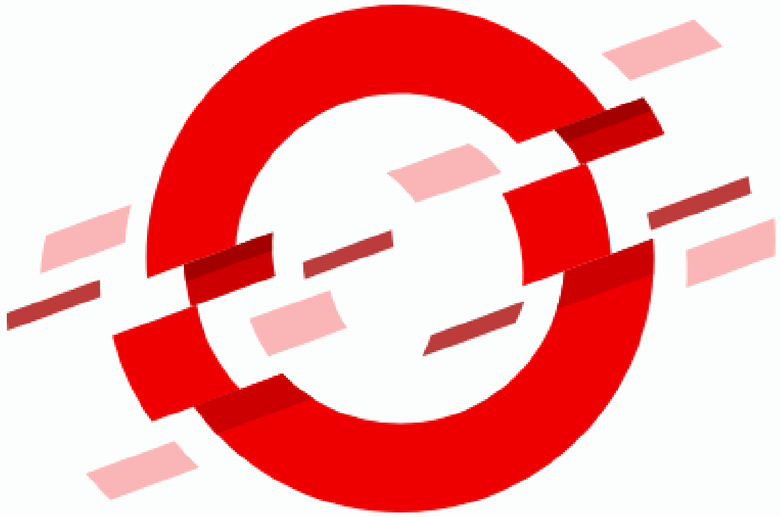
Systemas de manejo de contedores





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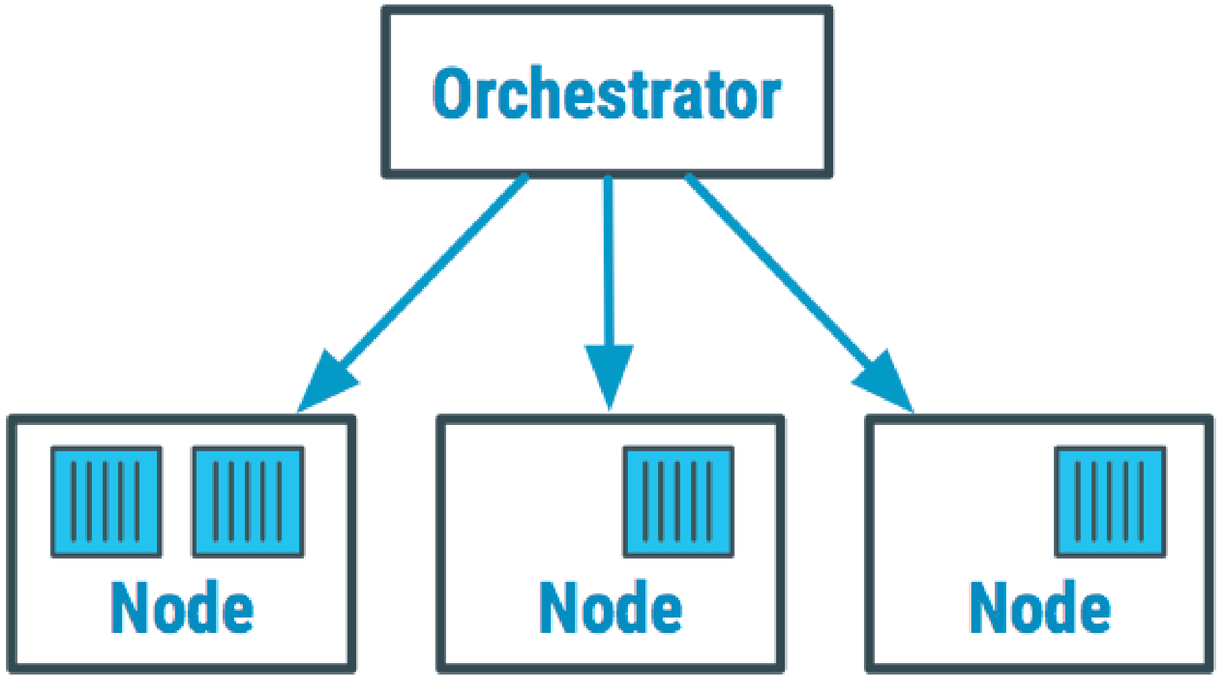
Orquestracion contenedores

- Despliege de contedores
- Escalado de contedores
- Manejo de contedores
- Gestion del cluster



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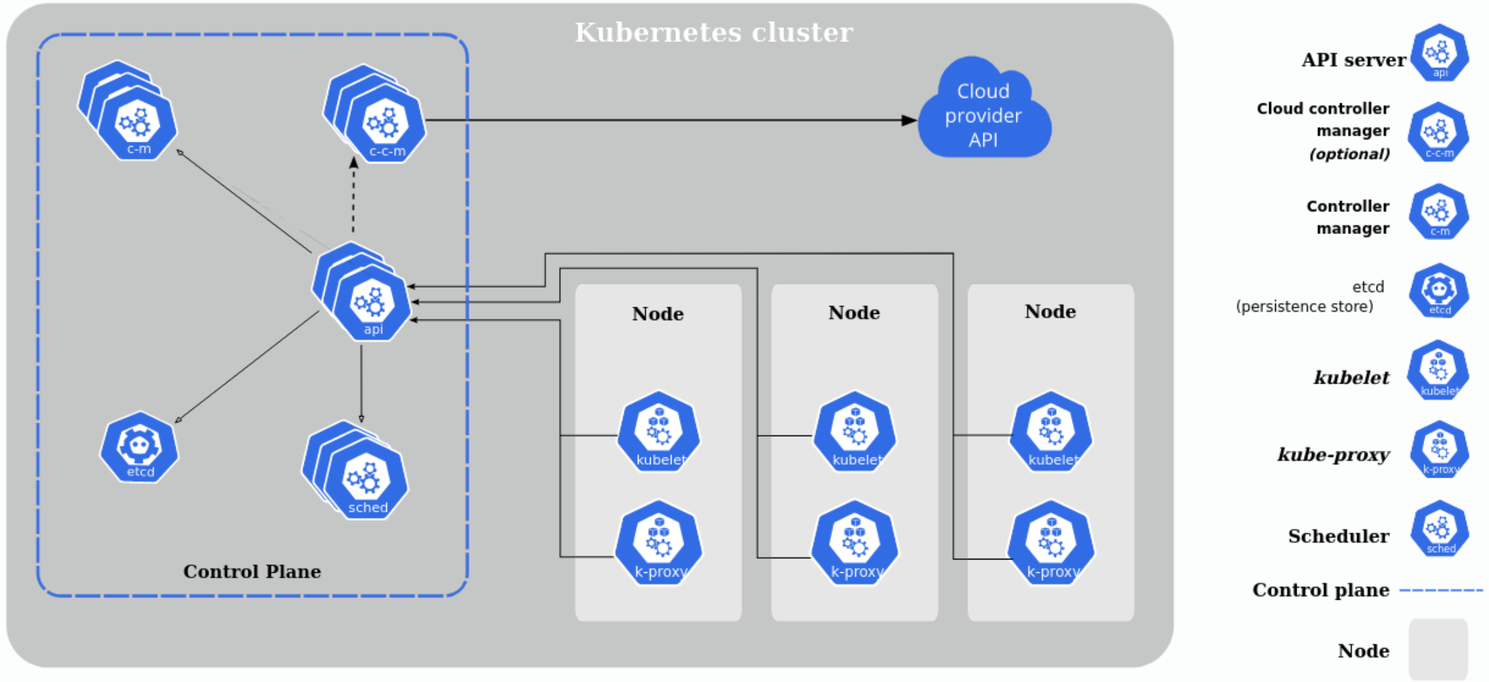
Kubernetes cluster

- Control plane
- Nodes



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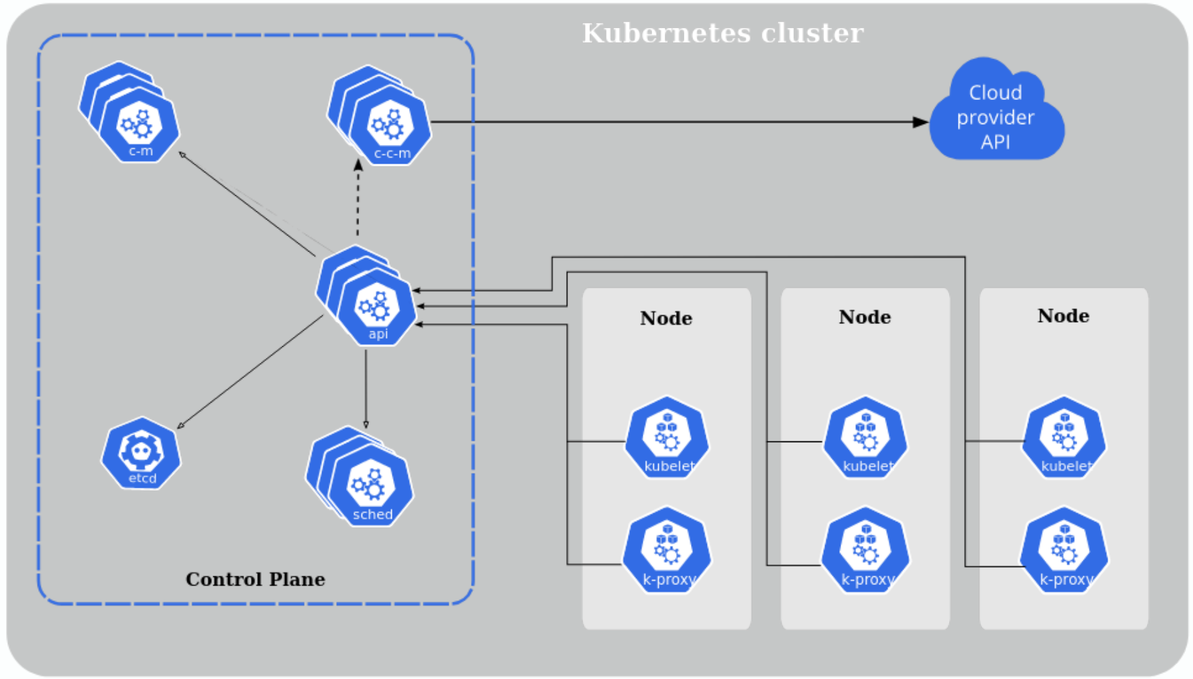
componentes control plane

- kube-apiserver
- etcd
- kube-scheduler
- kube-controller-manager



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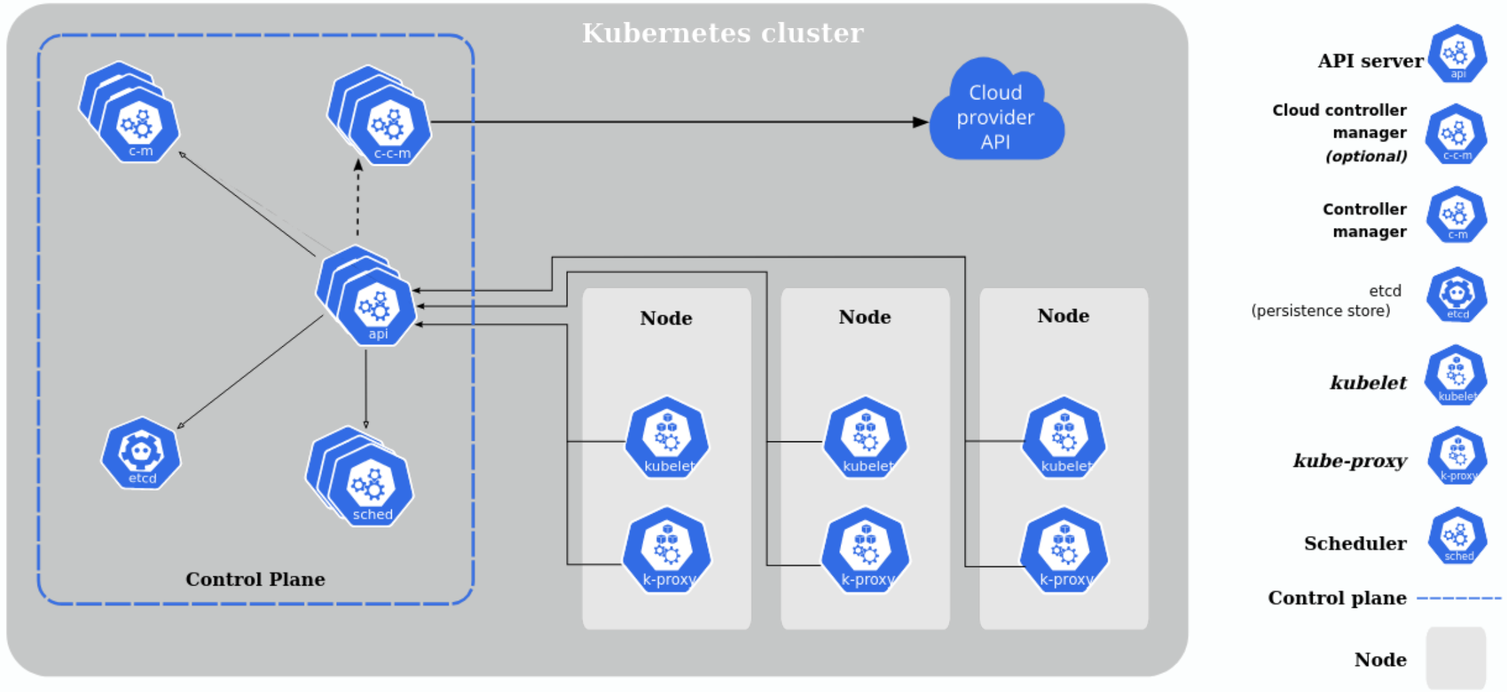
Componentes nodo

- kubelet
- kube-proxy
- Container runtime



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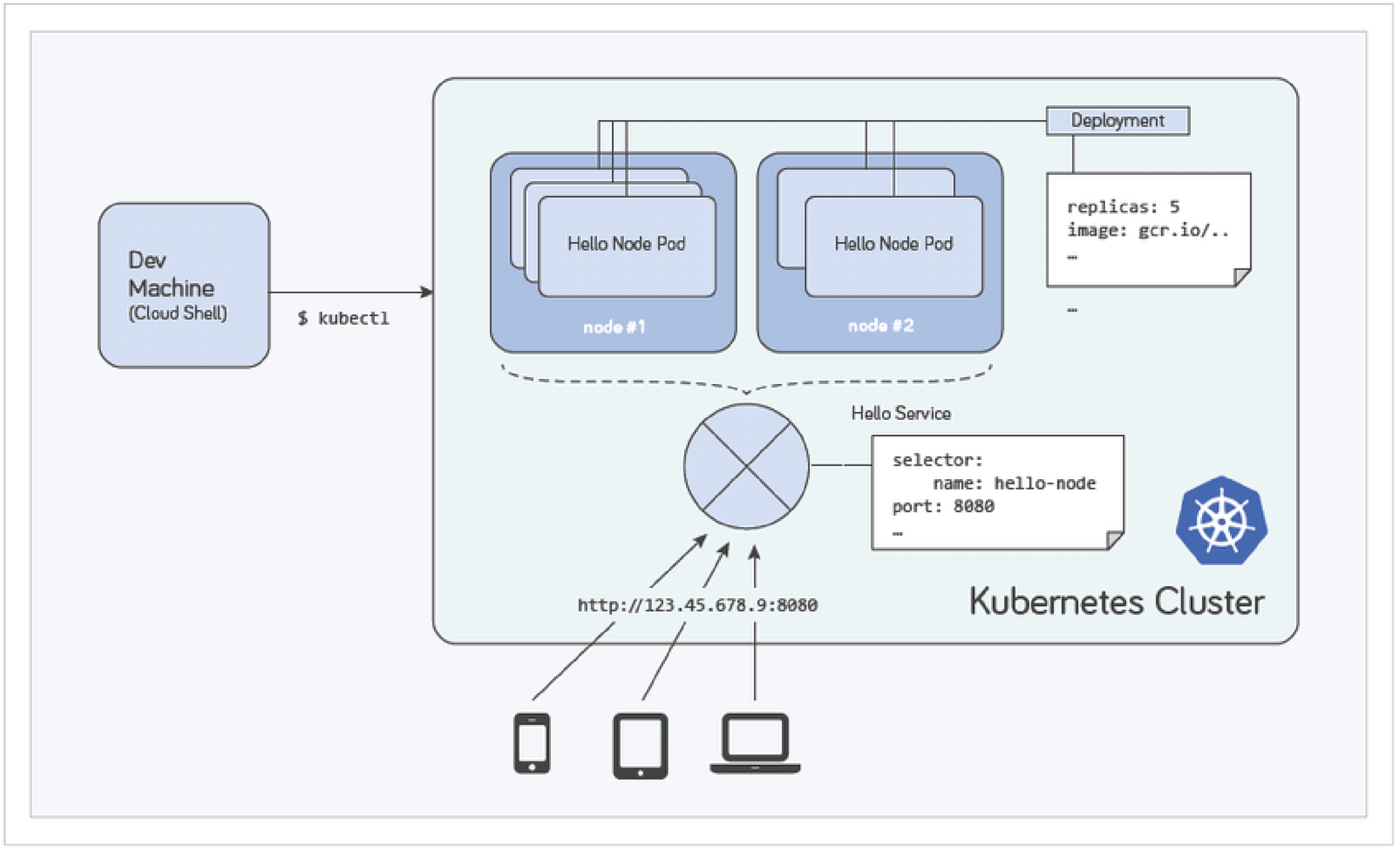
Objectos kubernetes

- Deployments
- Pods
- Servicios
- DaemonSet
- Volumes
- Ingress



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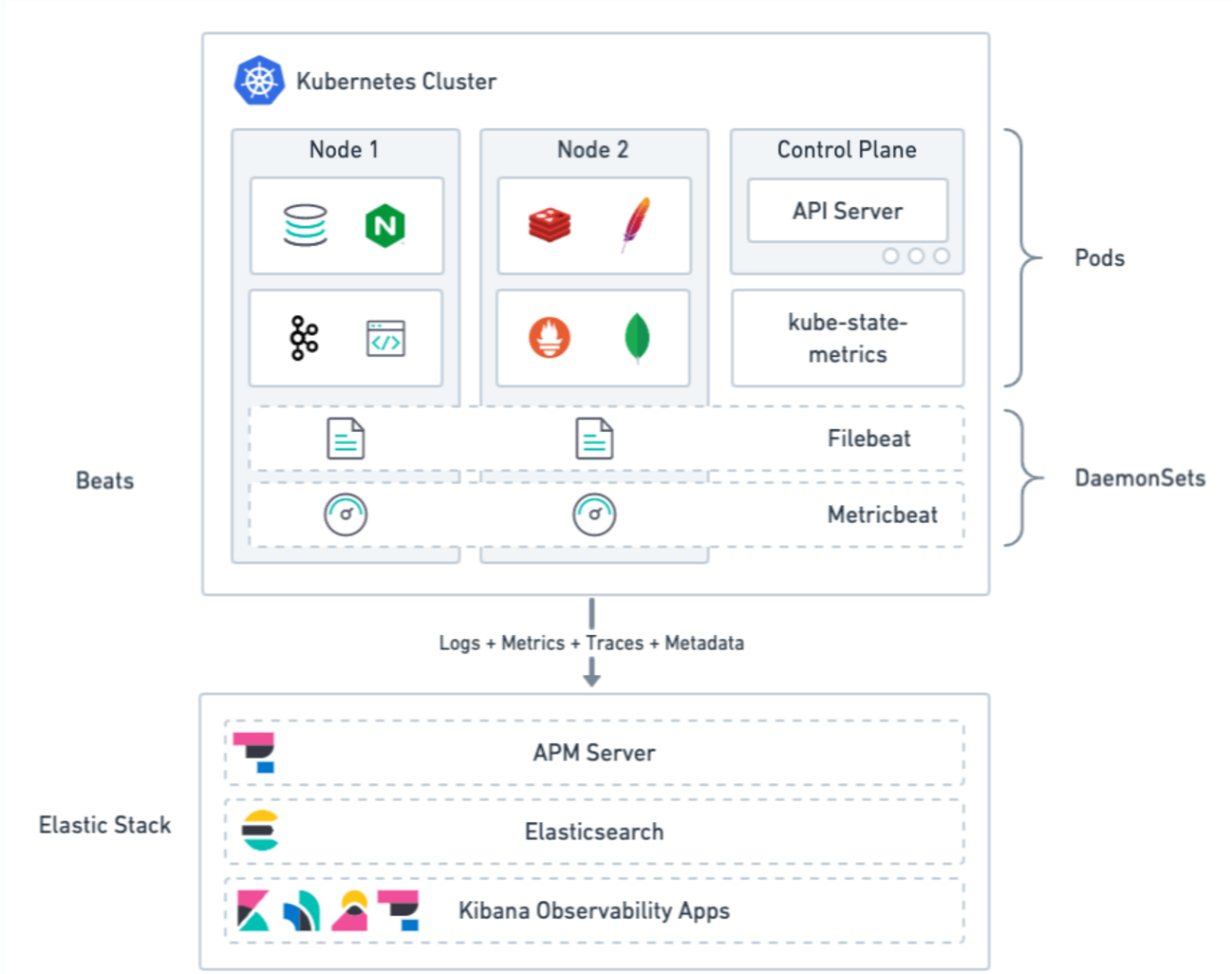
Monitoreo

- Observabilidad
- Logging
- Tracing



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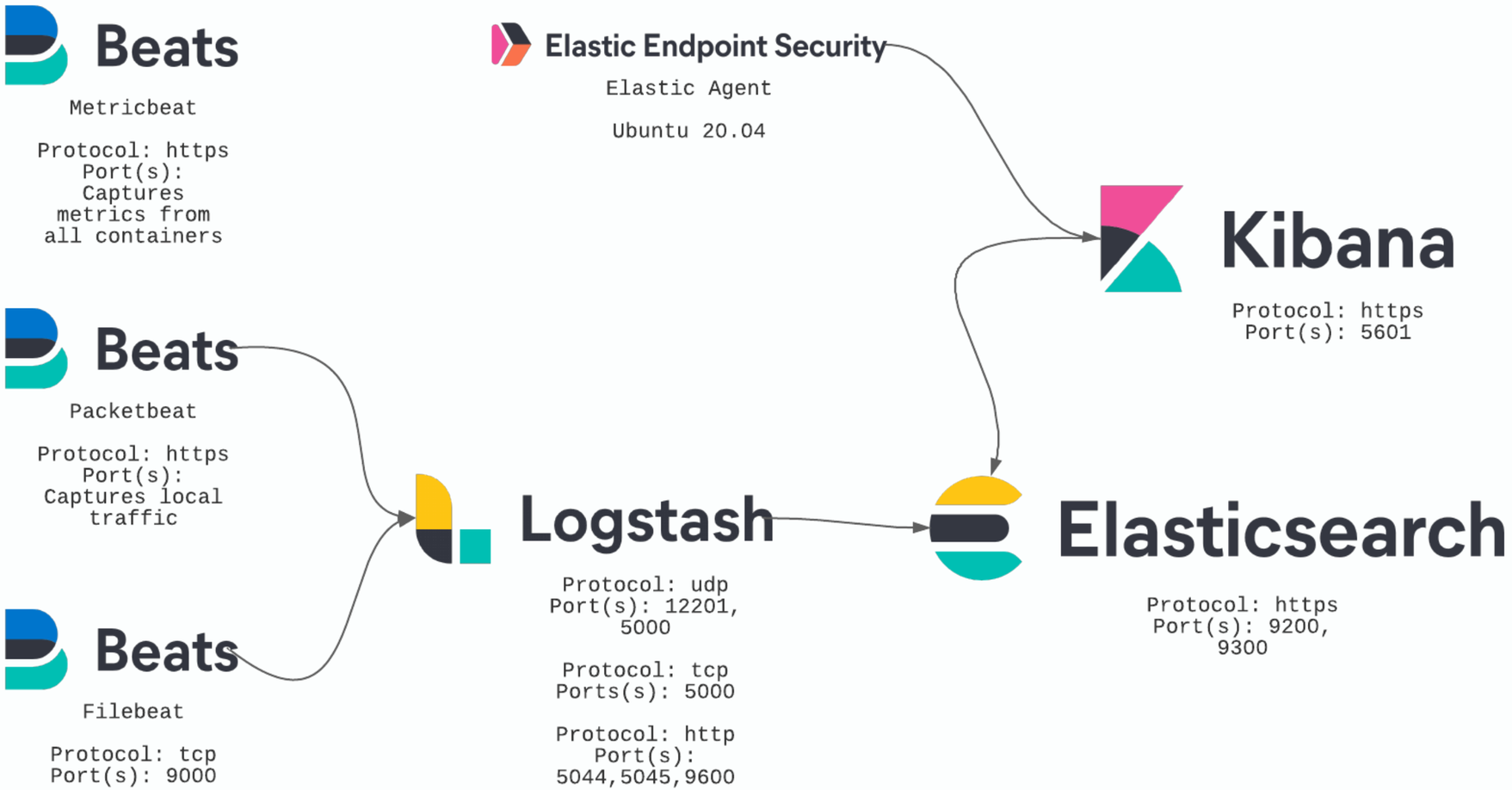
Monitoring ELK



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Lets try it!

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Ask me anything