







kubernetes



Orquestación de contenedores.

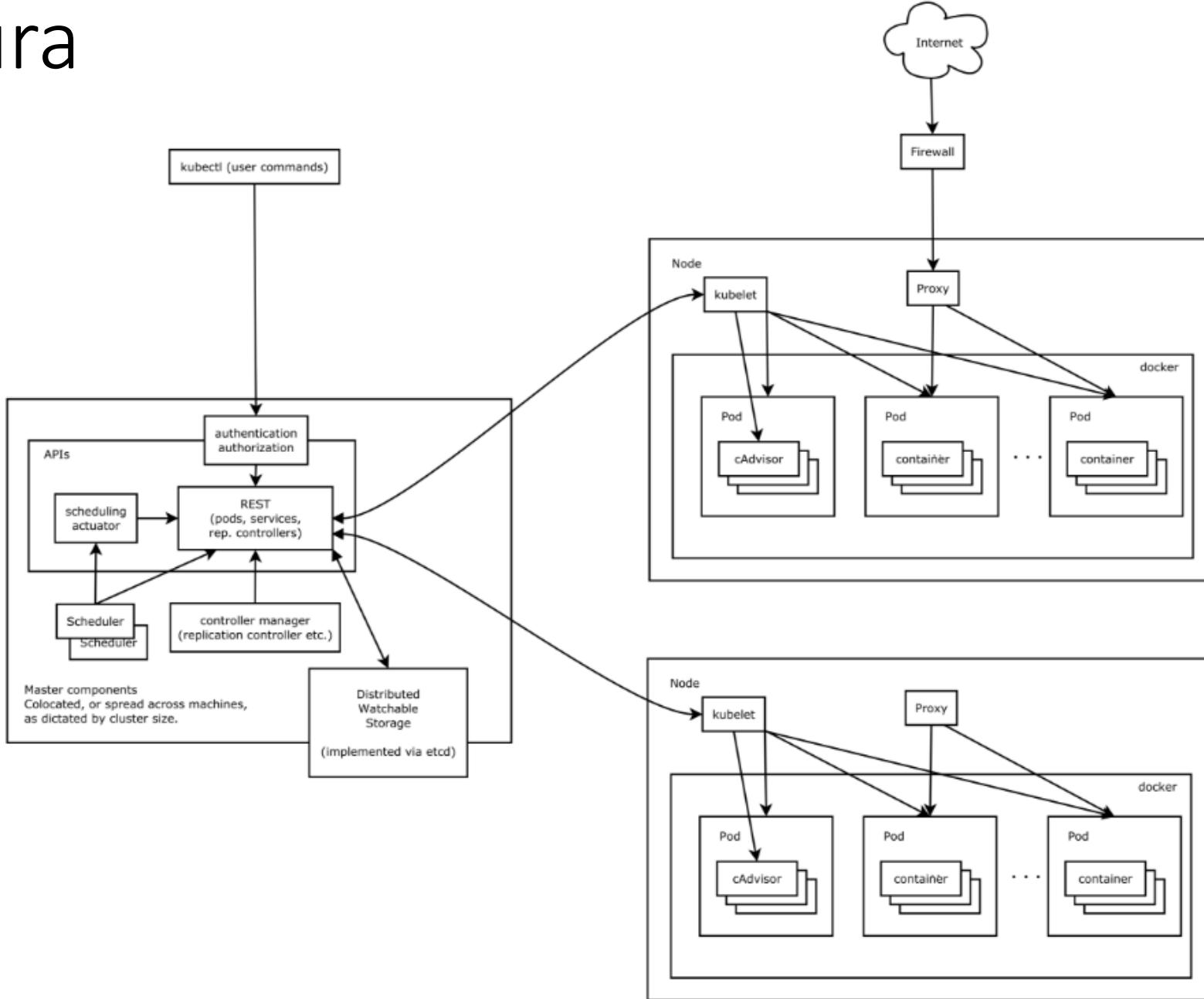
Manuel Zegarra Sánchez



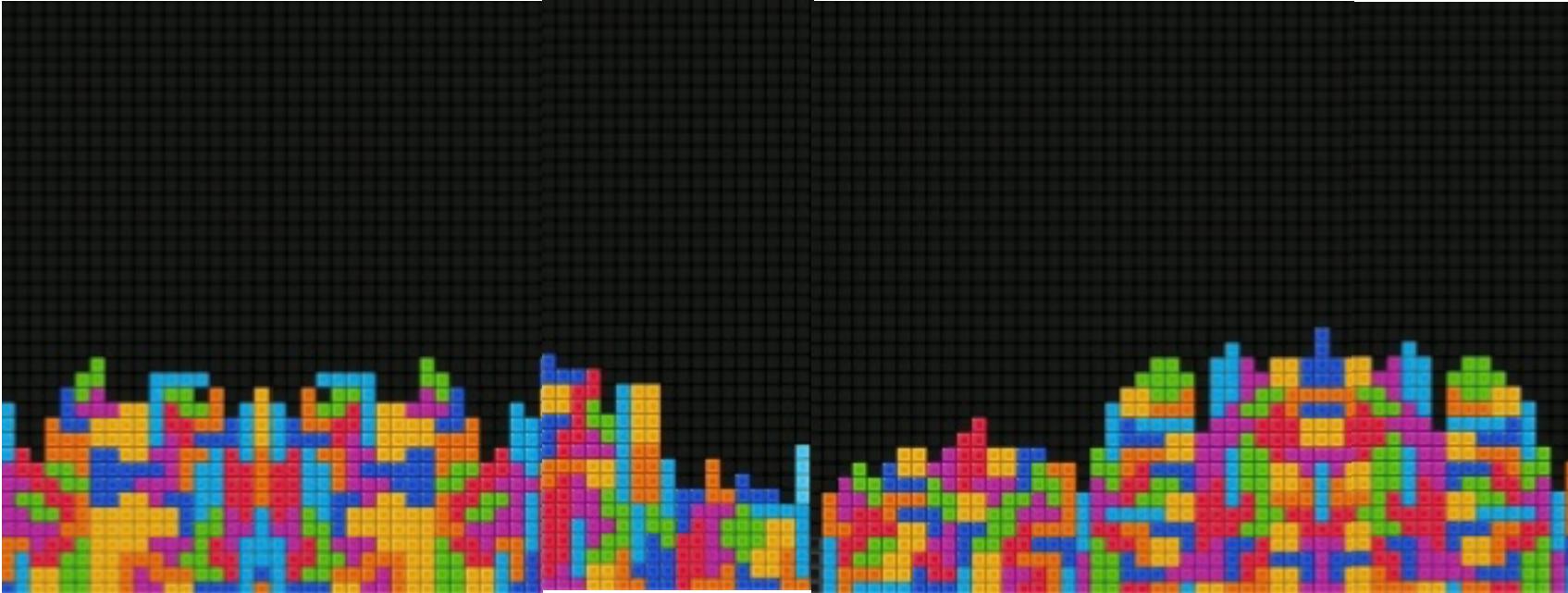
Índice

- Arquitectura
- Capacidad
- Estado deseado / no deseado
- IP Dinámica
- Balanceo de carga

Arquitectura



Capacidad



Nodo 1



Nodo 2



Nodo 3



Nodo 4



Nodo 5



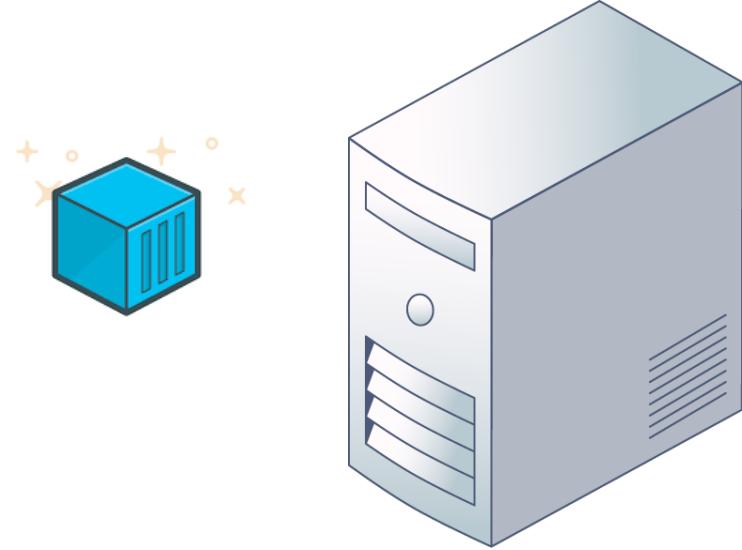
Nodo 6



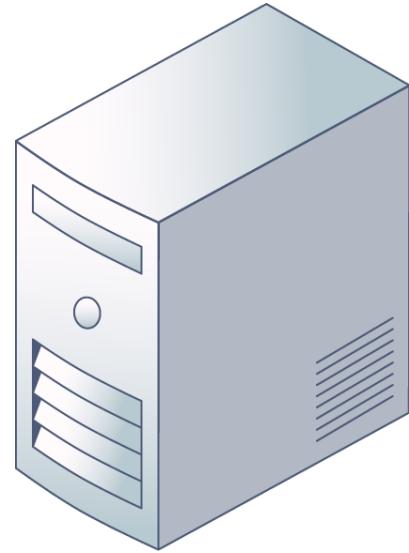
Master

- Hasta 5000 nodos
- Hasta 150000 total pods
- Hasta 300000 total containers
- Hasta 100 pods por nodo

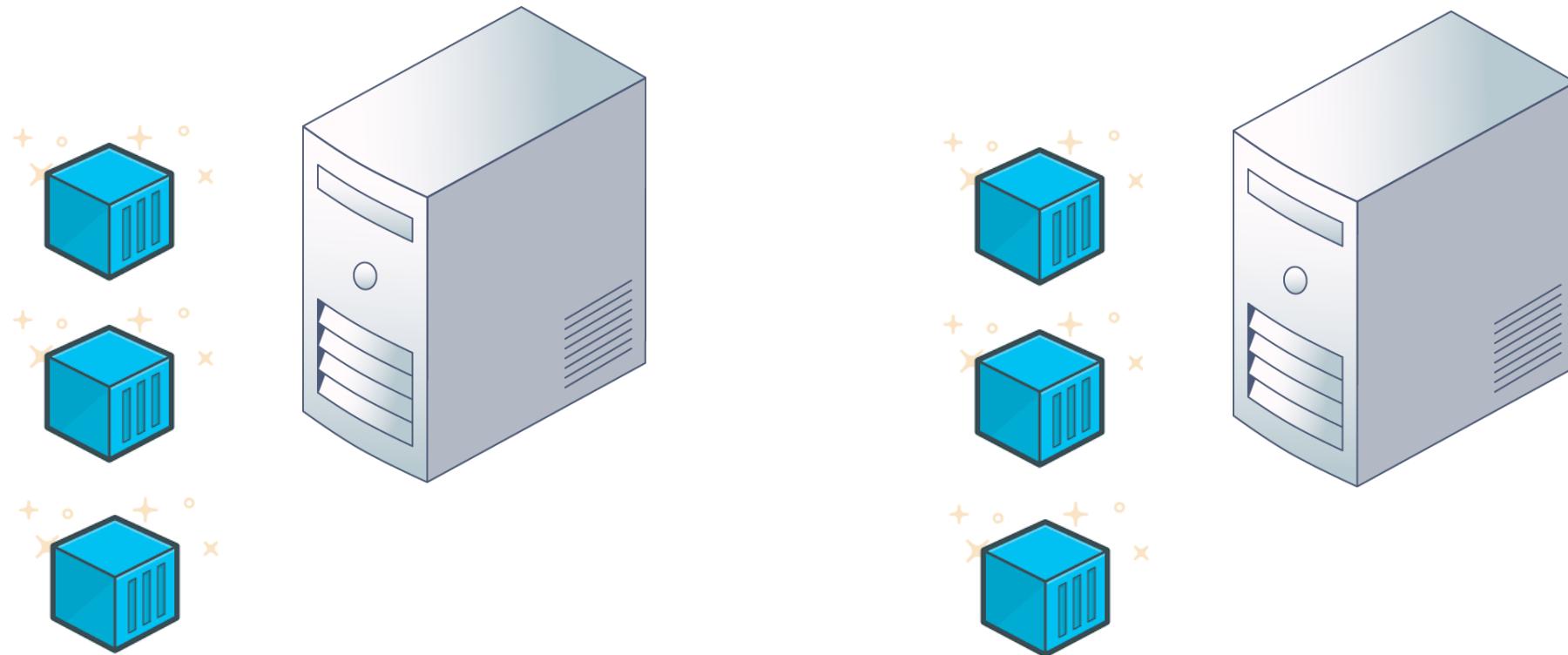
Estado deseado



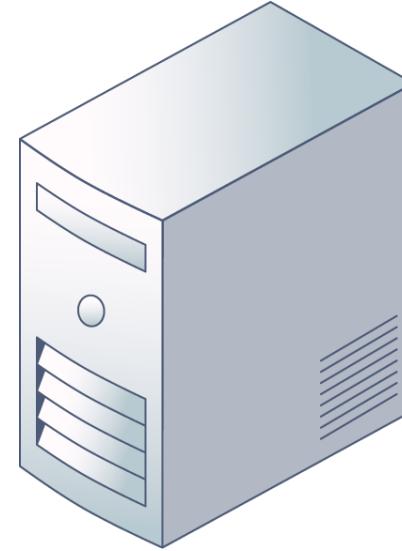
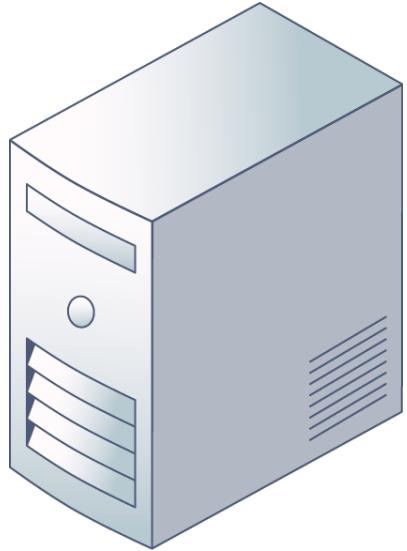
Estado no deseado



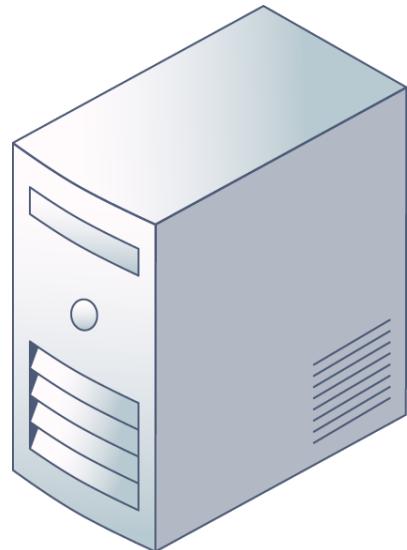
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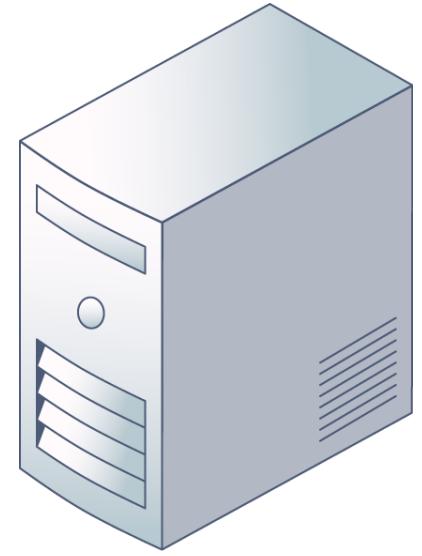
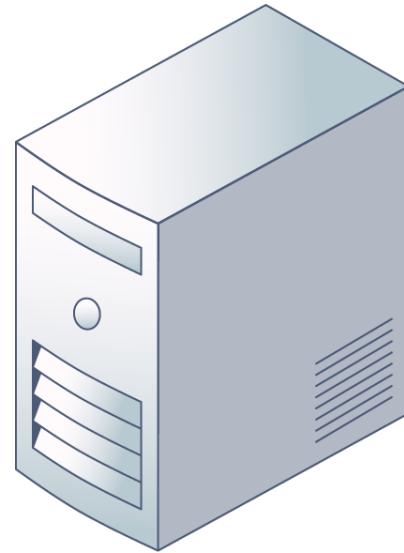
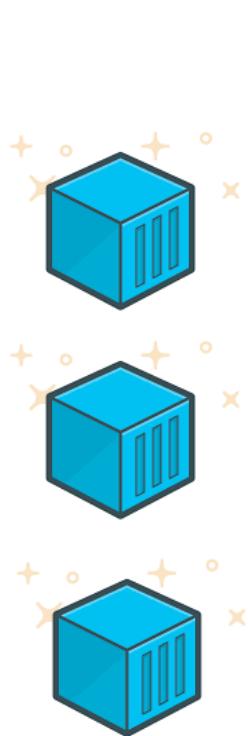
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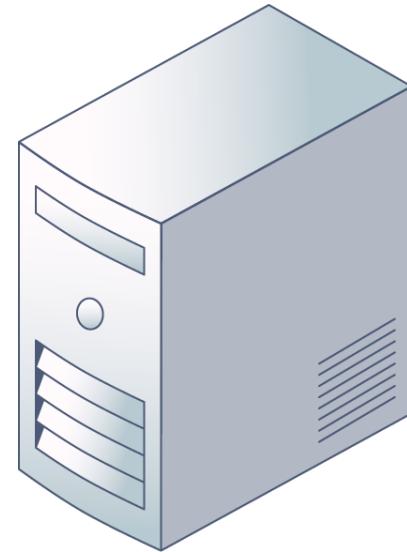
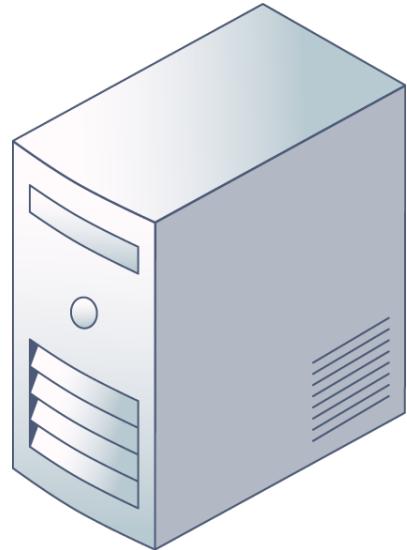
Estado no deseado



Estado deseado



Estado no deseado



Estado deseado

- El estado deseado lo vamos a definir con un deployment.
- El deployment crea los pods

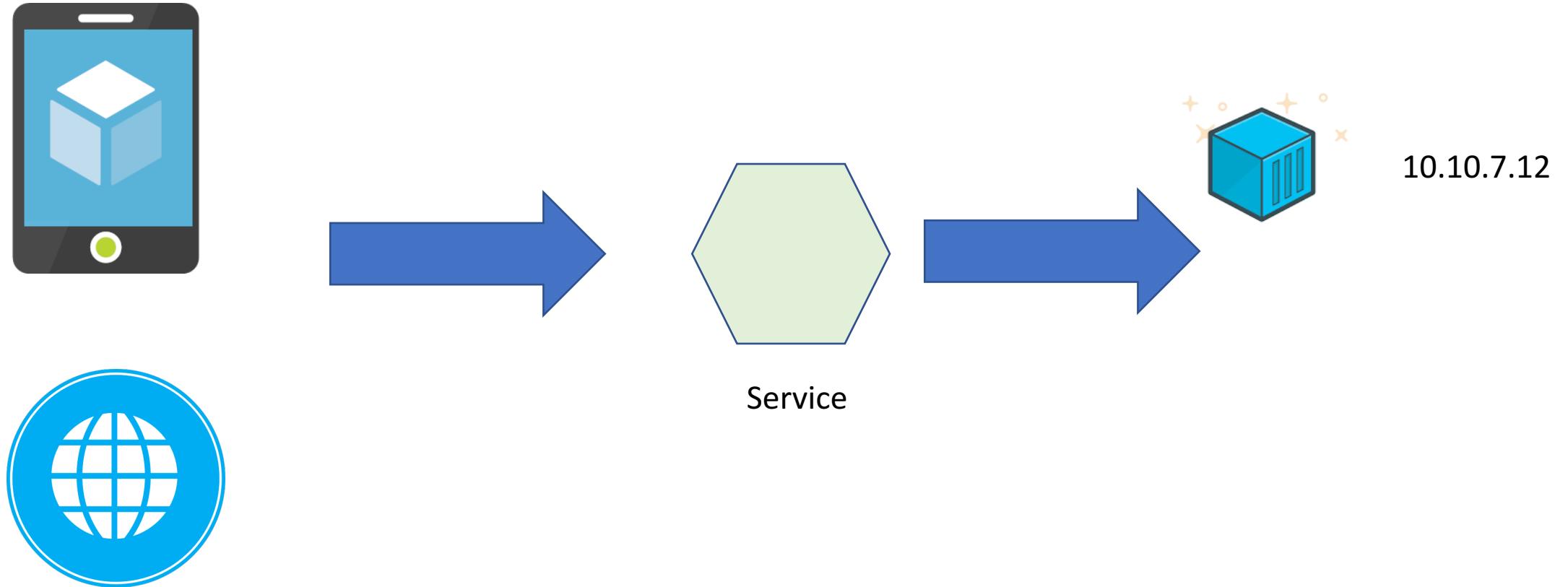
IP Dinámica



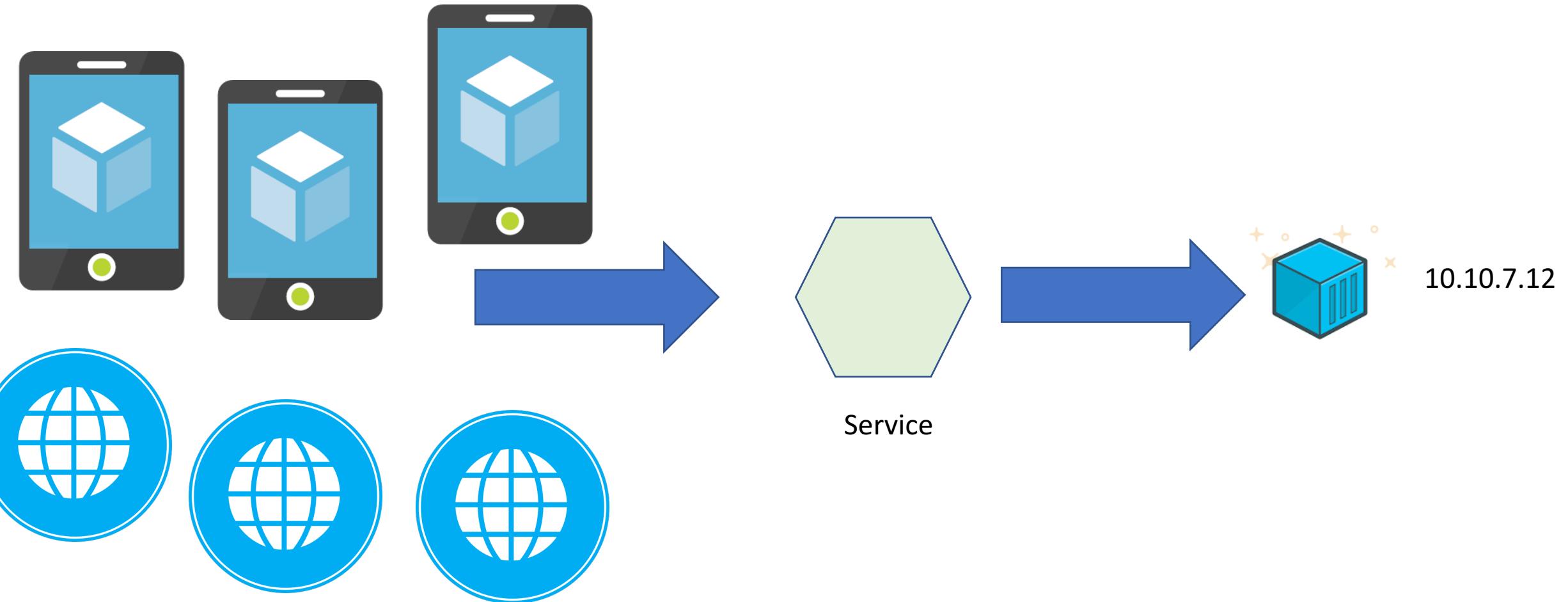
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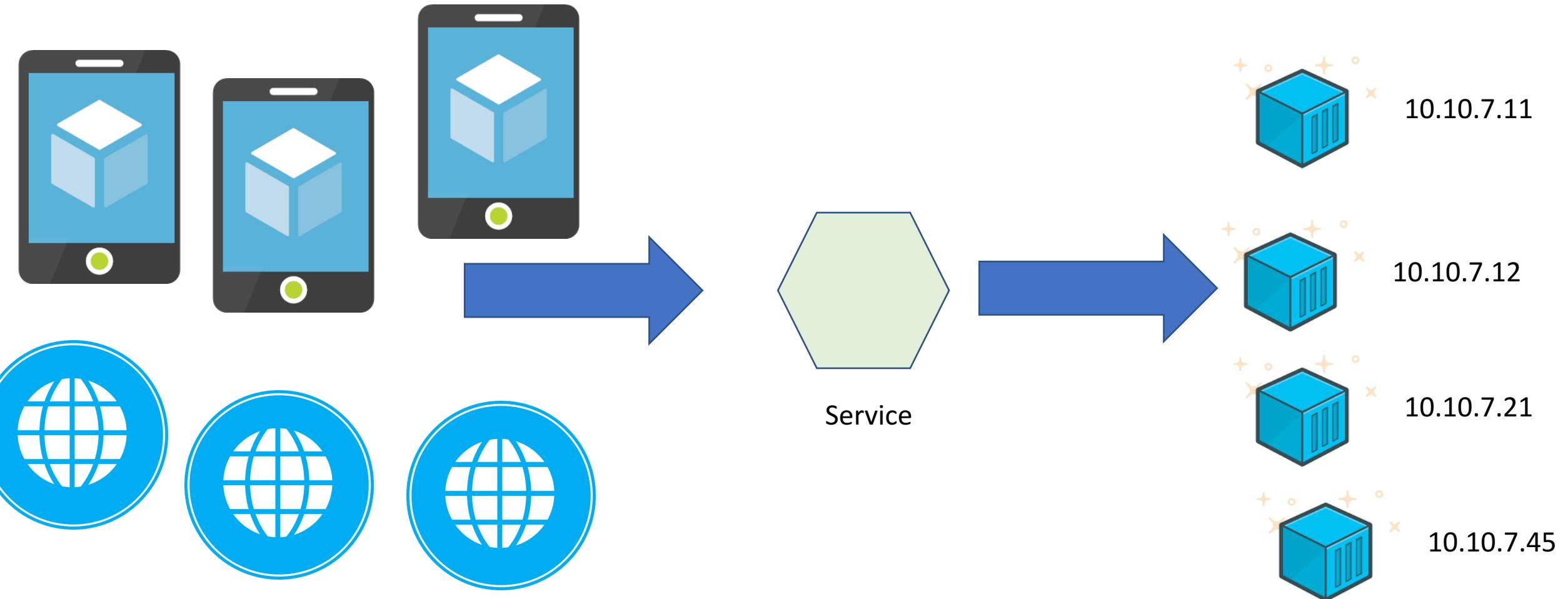
IP Dinámica



Balanceo de carga



Balanceo de carga





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Preguntas....?



ARQUITECTURA APP - ACTUAL

