



Contenedores de aplicaciones

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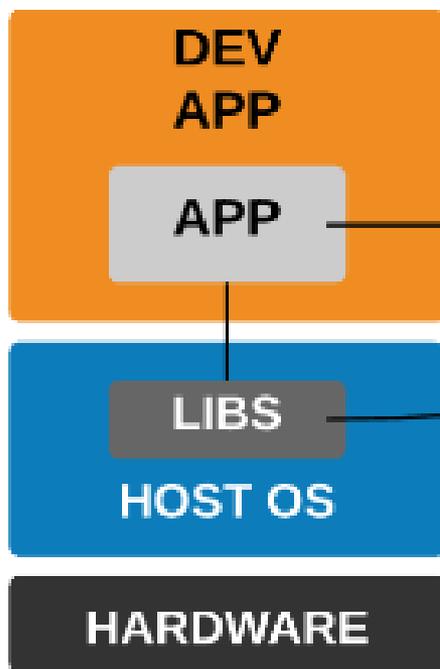
Contenedores



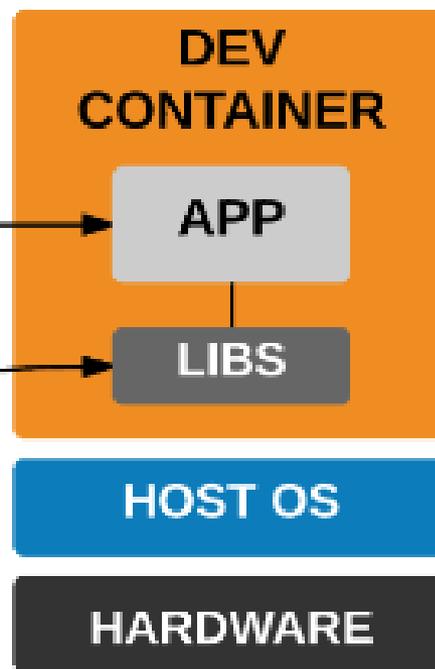


Filosofía de contenedores

Traditional Application



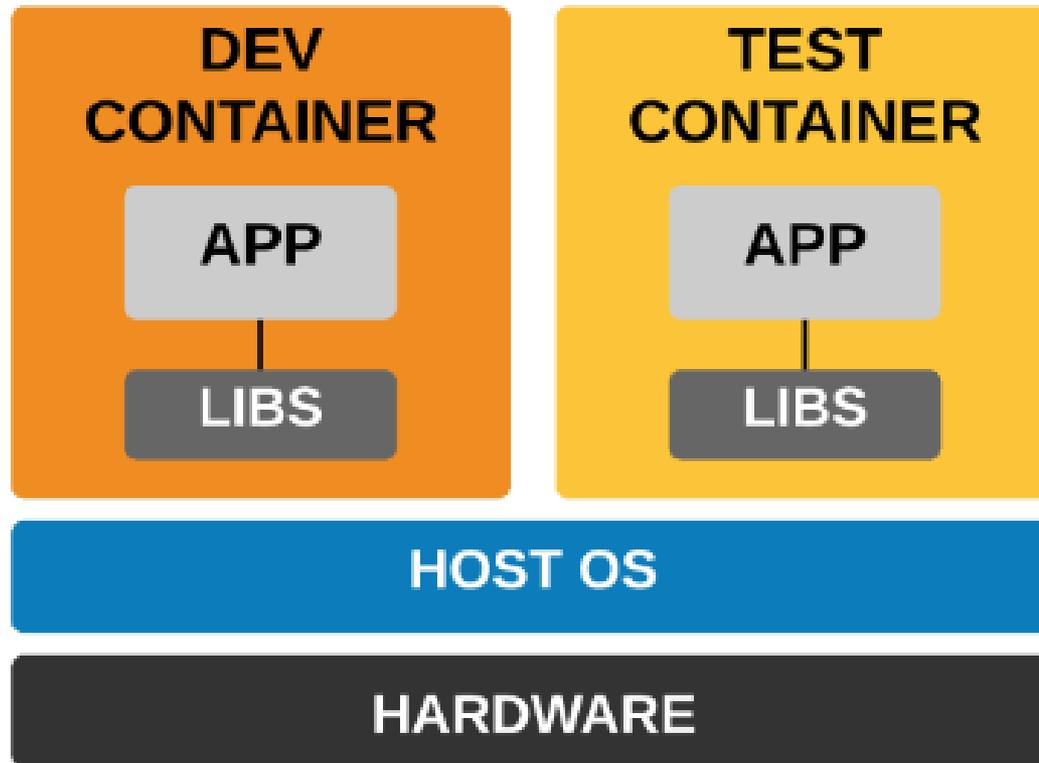
Container Application



Empaquetado



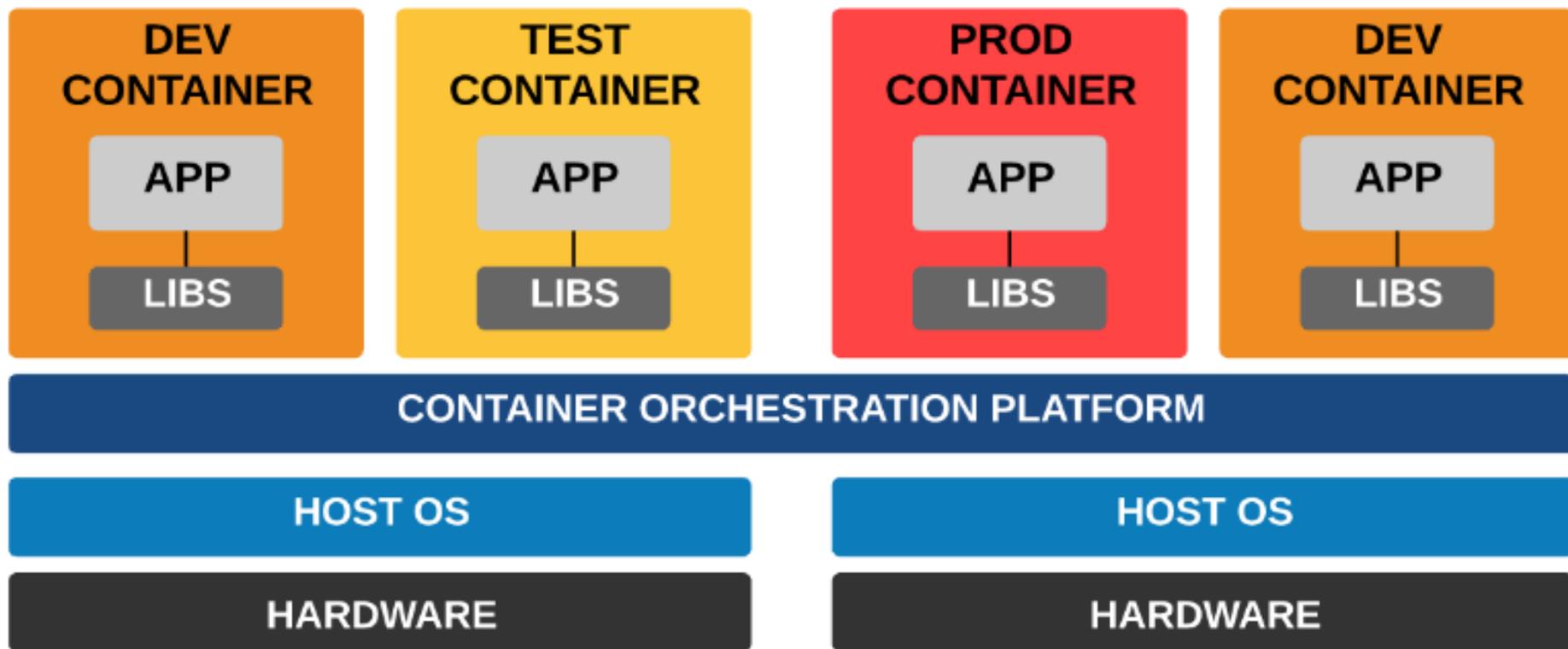
Filosofía de contenedores



Diferentes ambientes



Filosofía de contenedores



Aplicaciones distribuidas



Características



Empaquetado



Seguridad



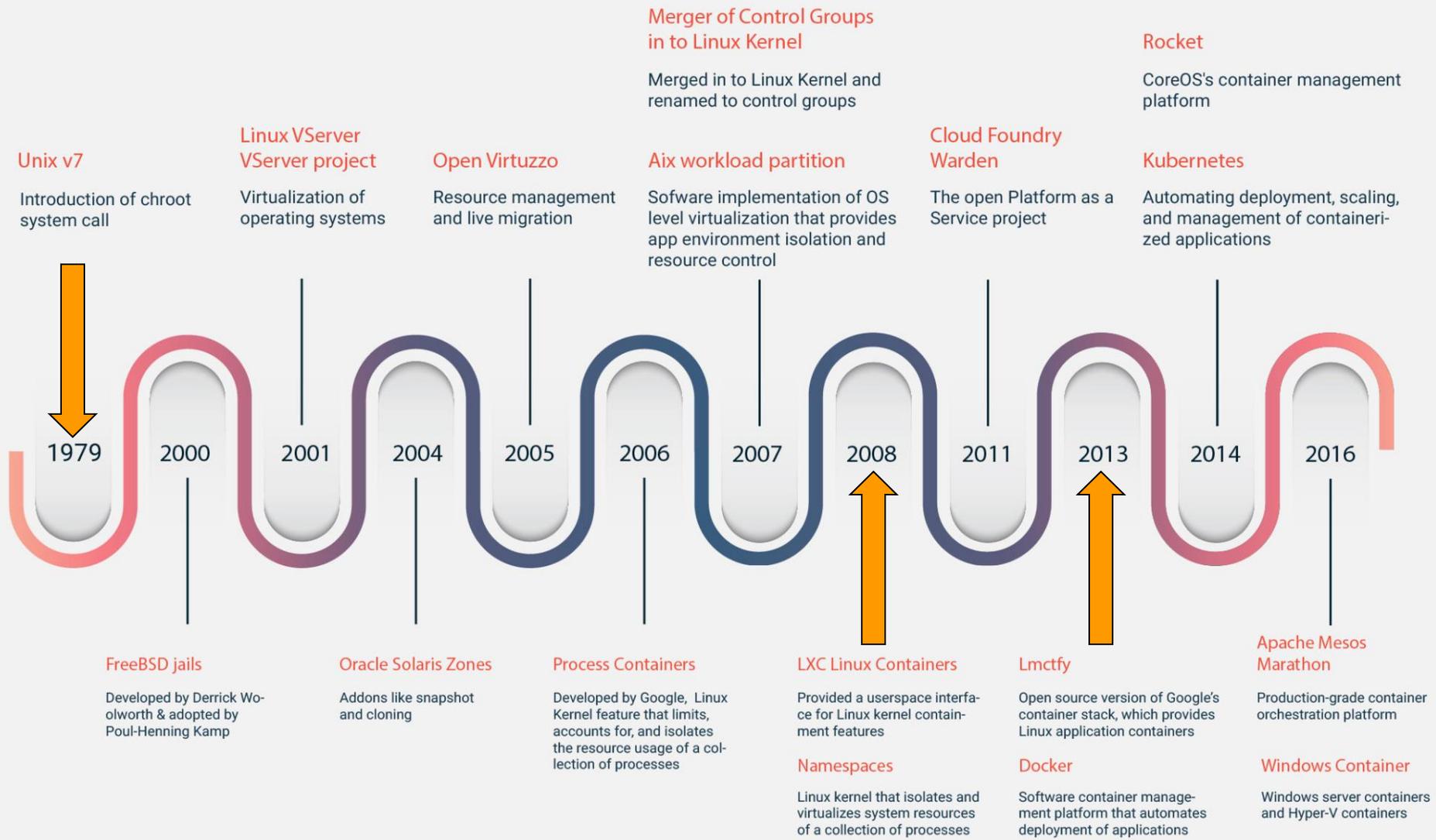
Independiente



Ambientes



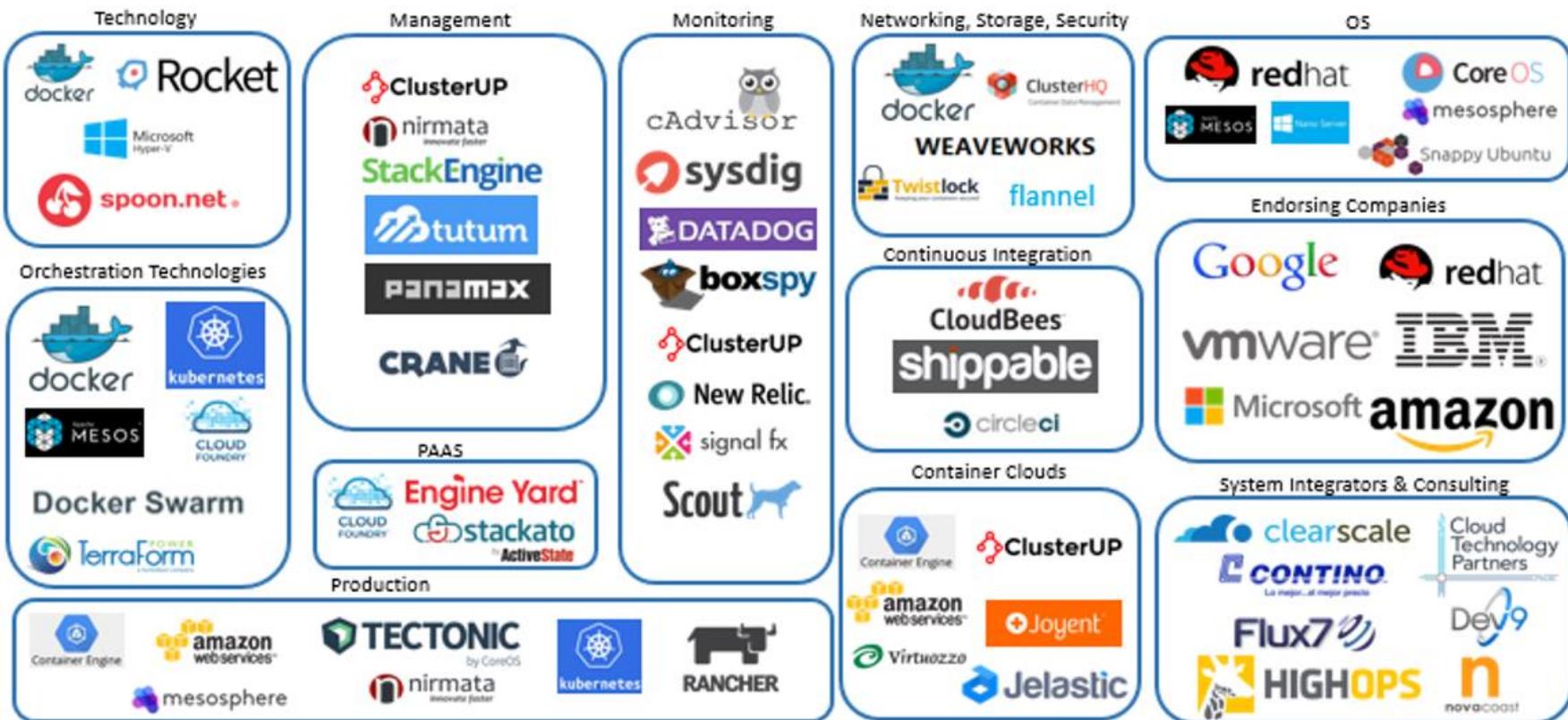
Container Ecosystem Evolution Timeline





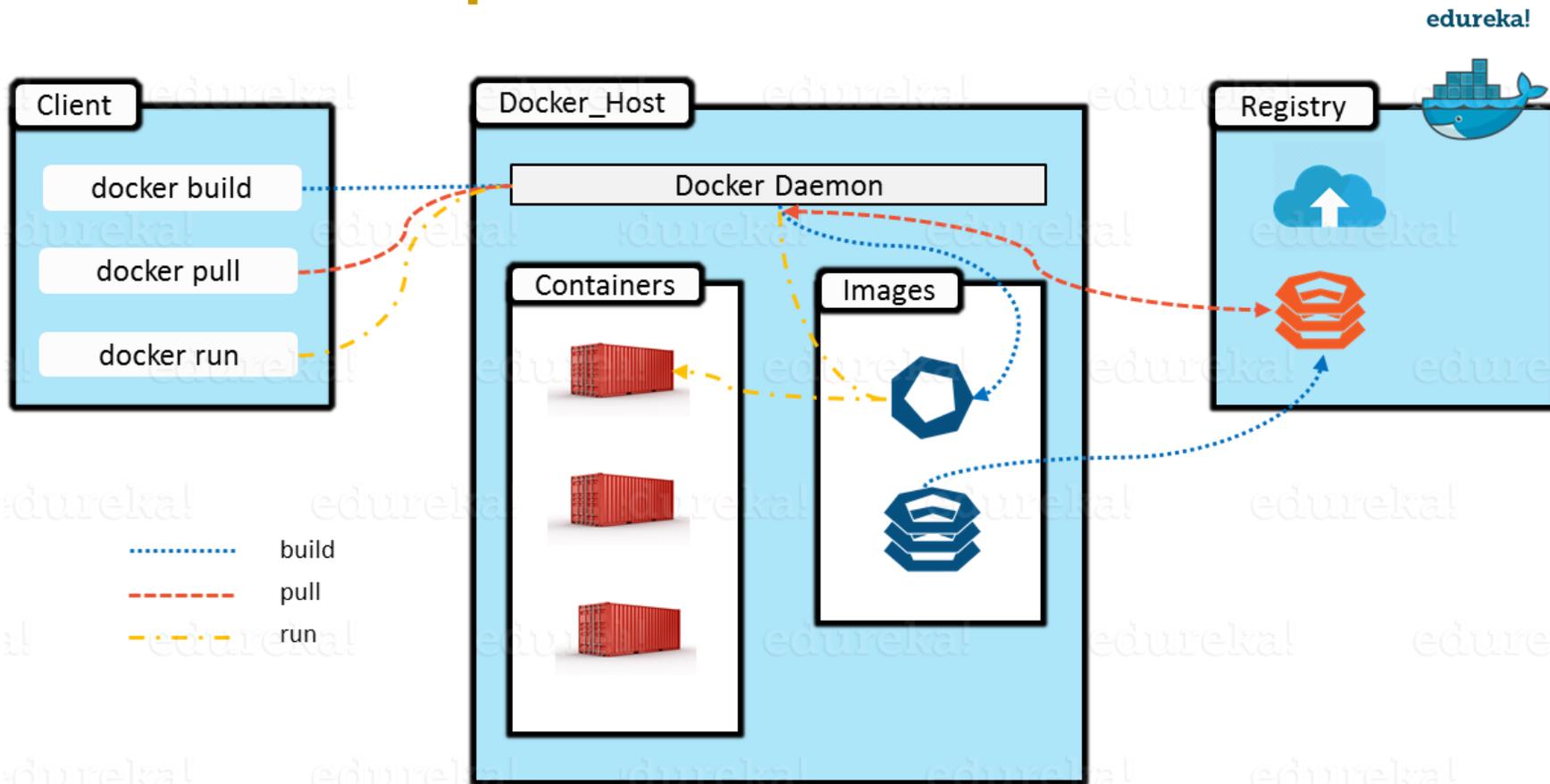
Tecnologías

ClusterUP ContainerScape





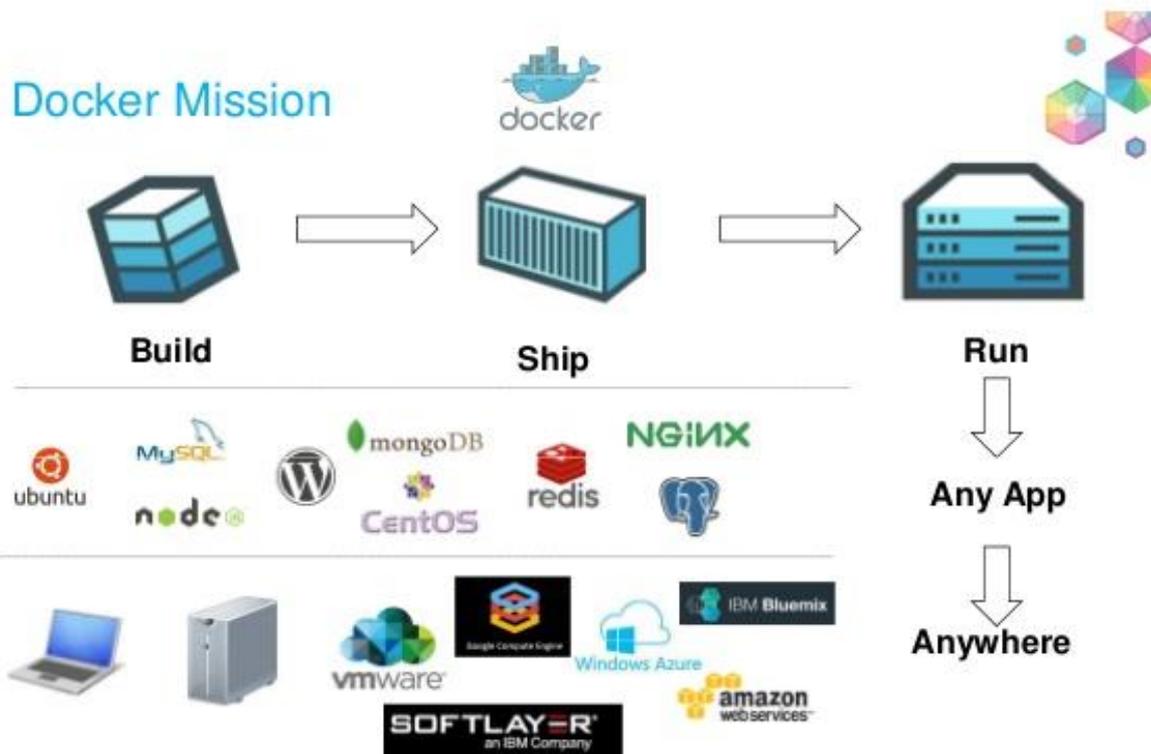
Arquitectura Docker



Redes, volúmenes y plugins.



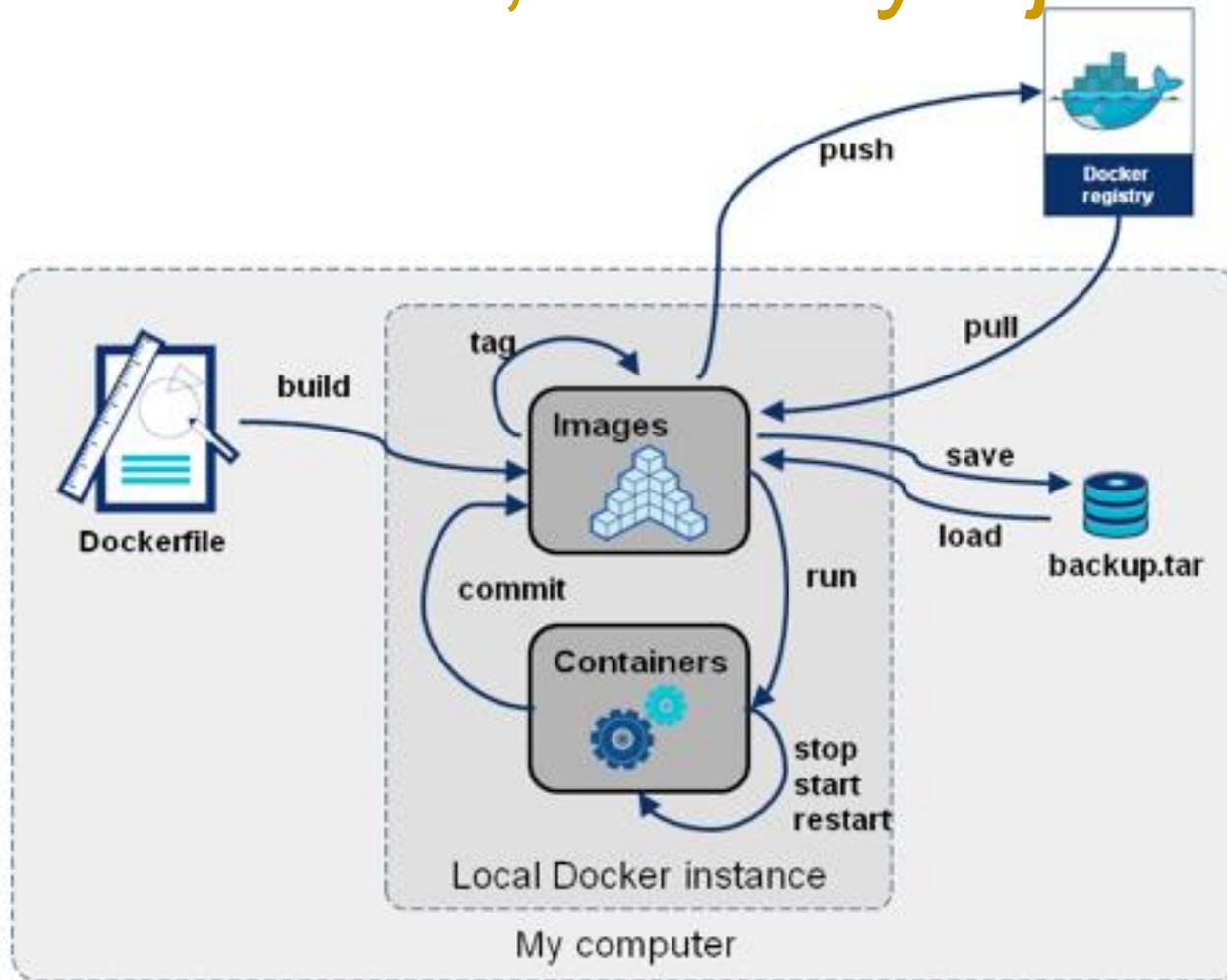
Funcionamiento



Docker is an open platform for building distributed applications for developers and sysadmins.



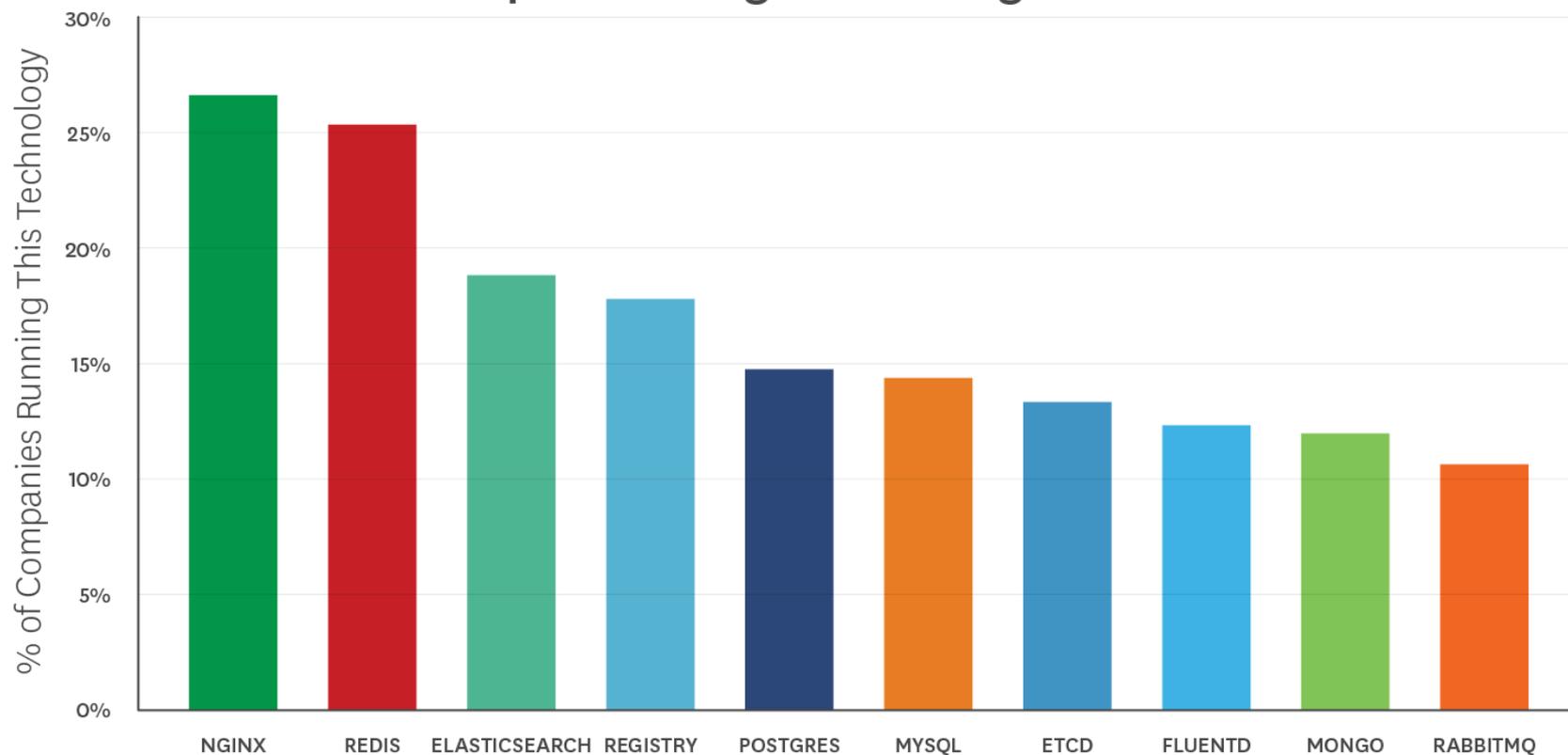
Construcción, envío y ejecución





Tecnologías con mayor uso

Top Technologies Running on Docker



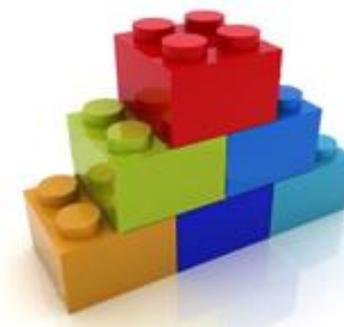
Source: Datadog



Orquestadores



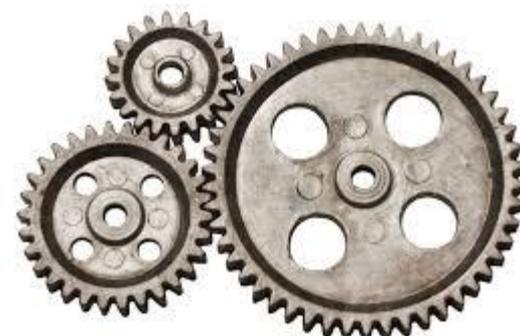
Control



Escalabilidad



Distribución



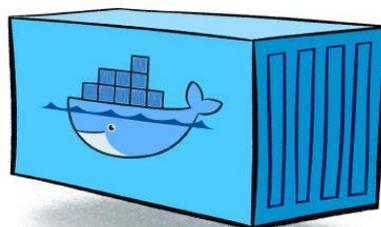
Operación





Experimento

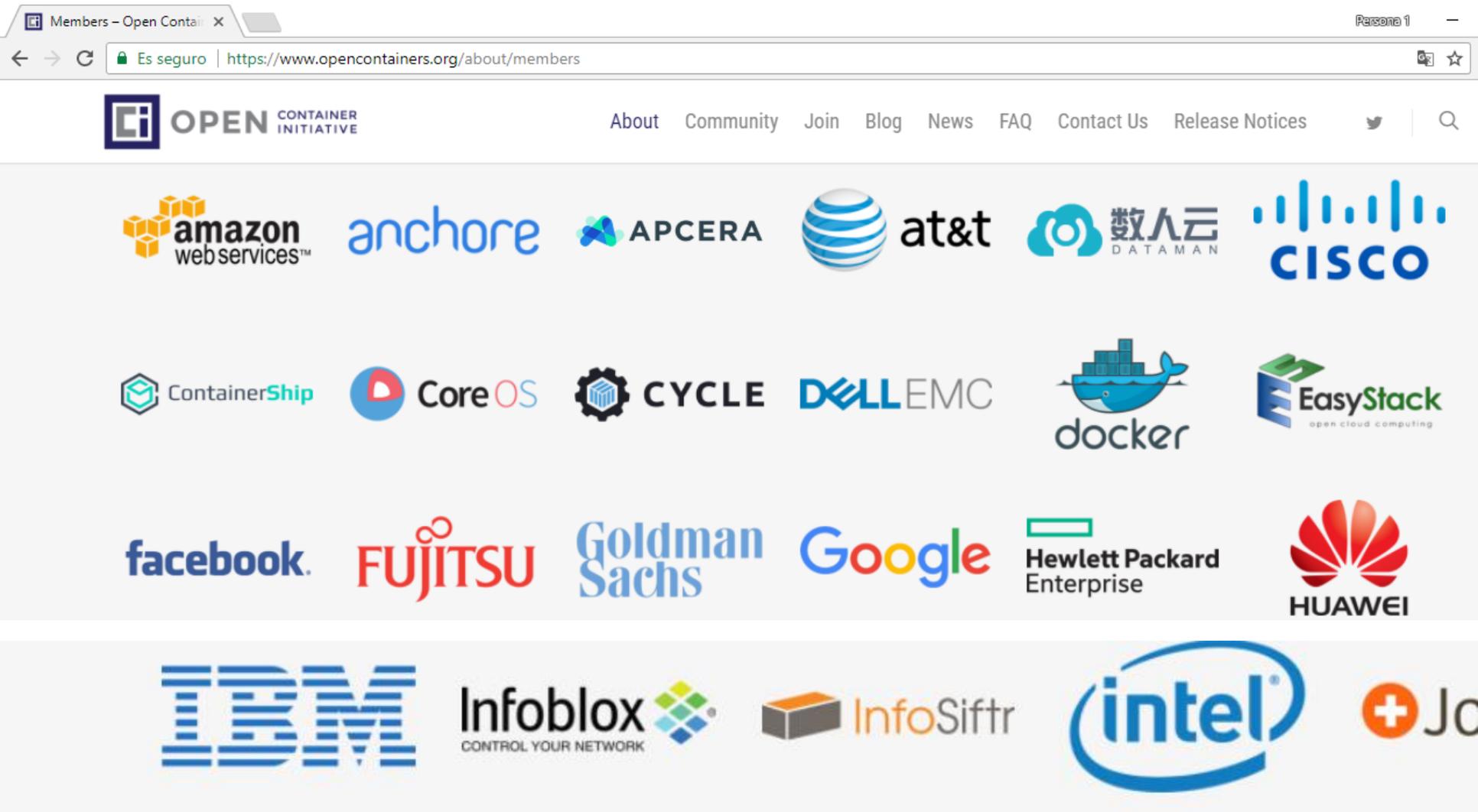

**Northern
Trust**



50% menos
CPU y RAM.
Distribución 4
veces más
rápido.



Iniciativa de contenedores abierta

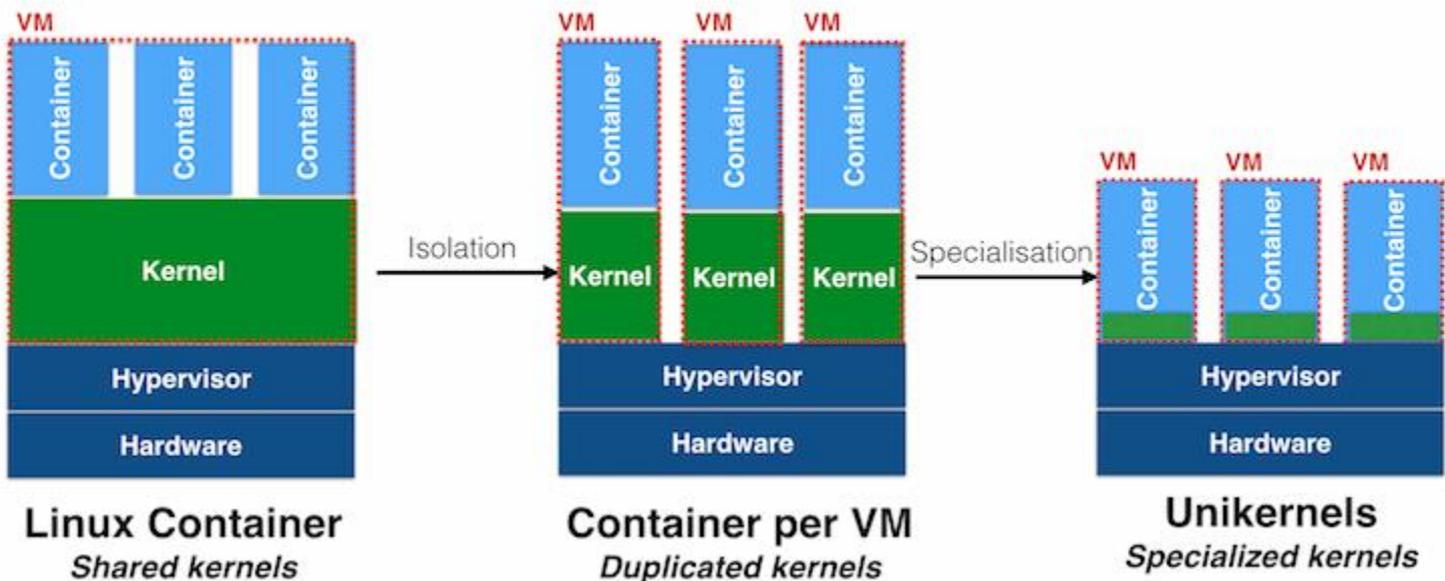




Siguientes pasos

Isolation & specialisation with unikernels

Unikernel



- Mayor seguridad
- Muy optimizado
- Arranque rápido: milisegundos



Siguientes pasos

Proyecto Moby

The screenshot shows the Moby project website. At the top, there is a navigation bar with the Moby project logo and links for Blog, Summit, Community, Projects, and Forum. Below the navigation bar, there is a diagram illustrating the Moby architecture. The diagram is a 3D perspective view of a stack of components. On the left, a vertical list of components is shown: Orchestration, Image Management, Secret Management, Configuration Management, Networking, and Provisioning. Below this list is a dashed line indicating where to place a component, labeled "Your Component here". On the right, a larger, more detailed view of the components is shown, labeled "Assemblies". At the bottom of the diagram, the text "Moby Tools" is visible.



Práctica





Conclusiones

- La tecnología de contenedores permite distribuir de manera ágil las aplicaciones aprovechando los recursos eficientemente en cualquier ambiente de forma automática.



Preguntas

