



Contenedores de aplicaciones

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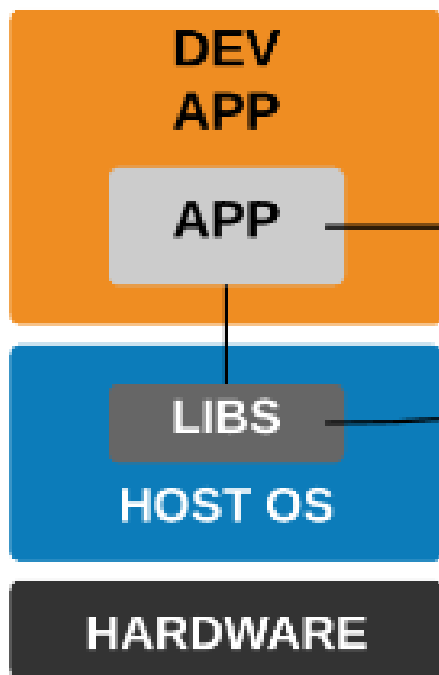
Contenedores



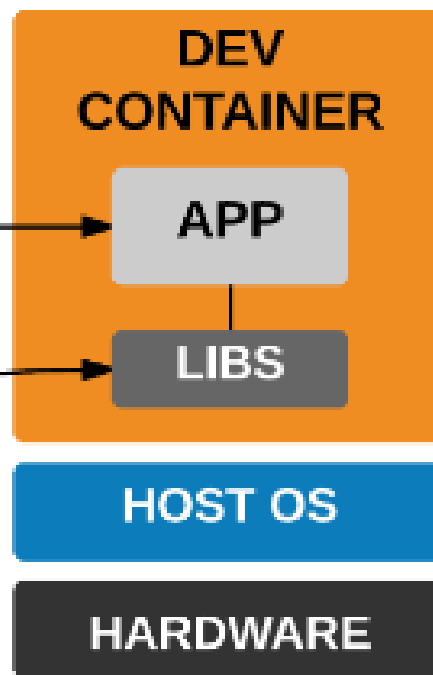


Filosofía de contenedores

Traditional Application



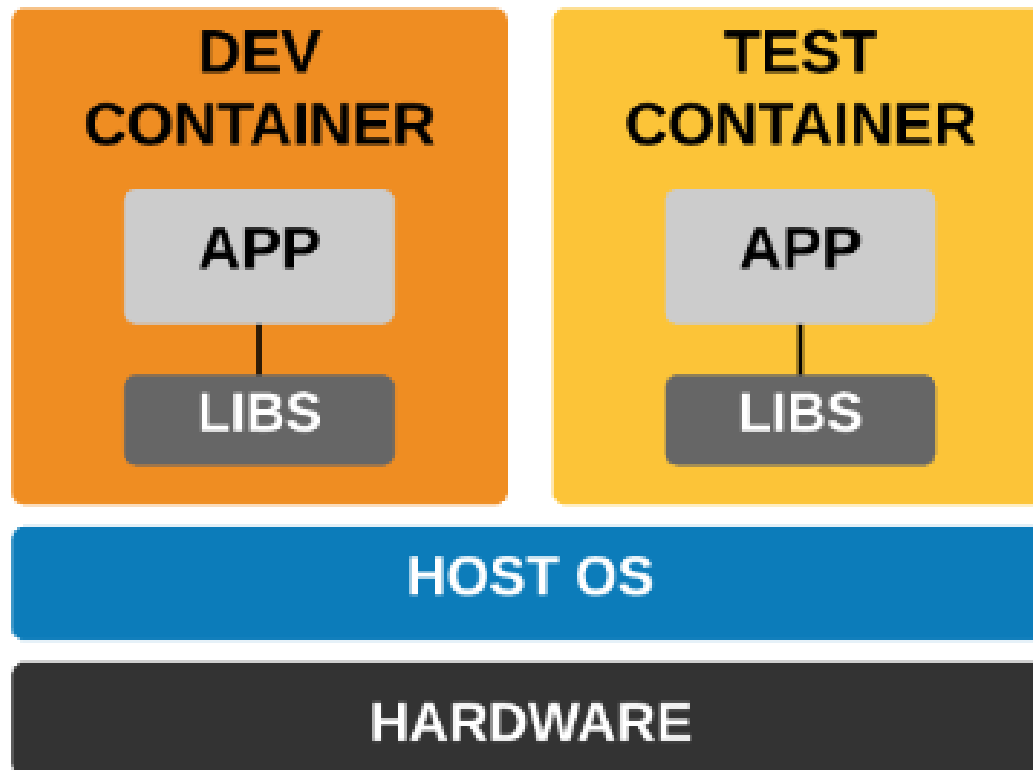
Container Application



Empaquetado



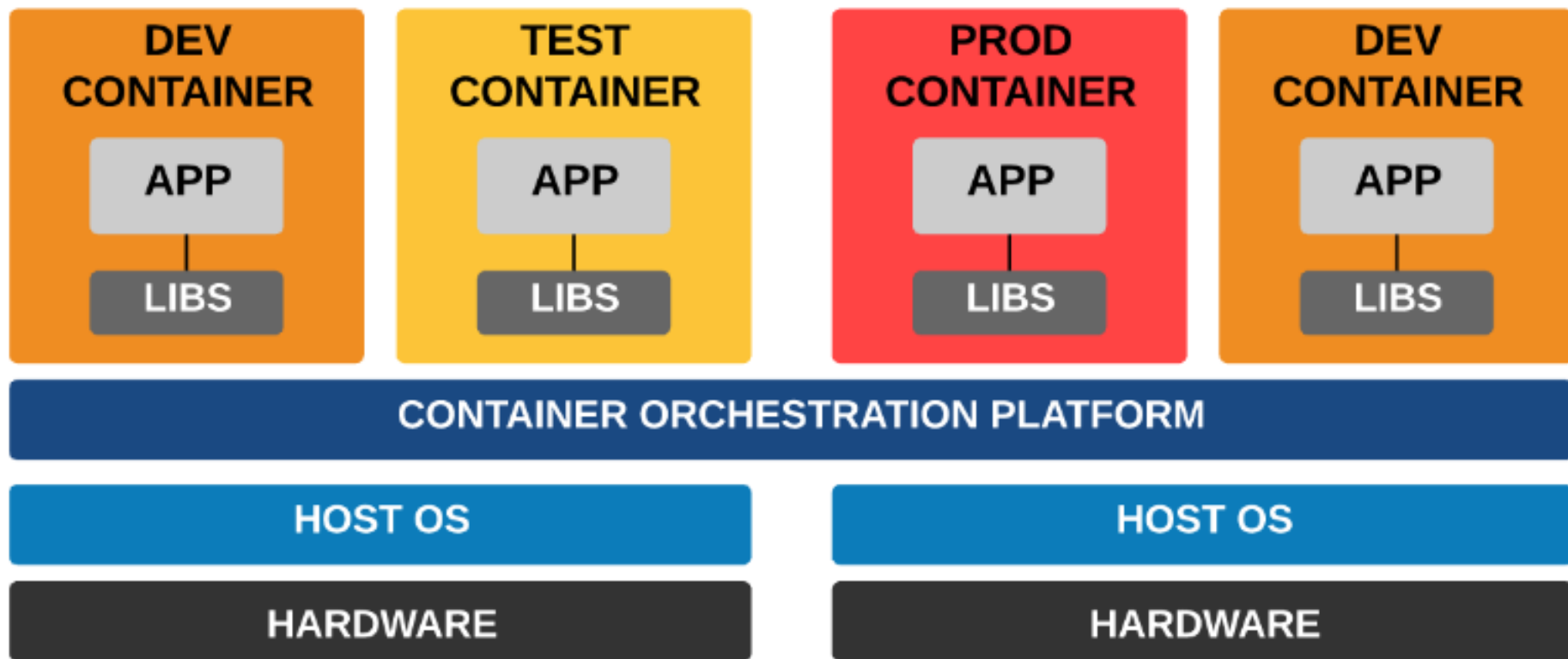
Filosofía de contenedores



Diferentes ambientes



Filosofía de contenedores



Aplicaciones distribuidas



Características



Empaquetado



Seguridad



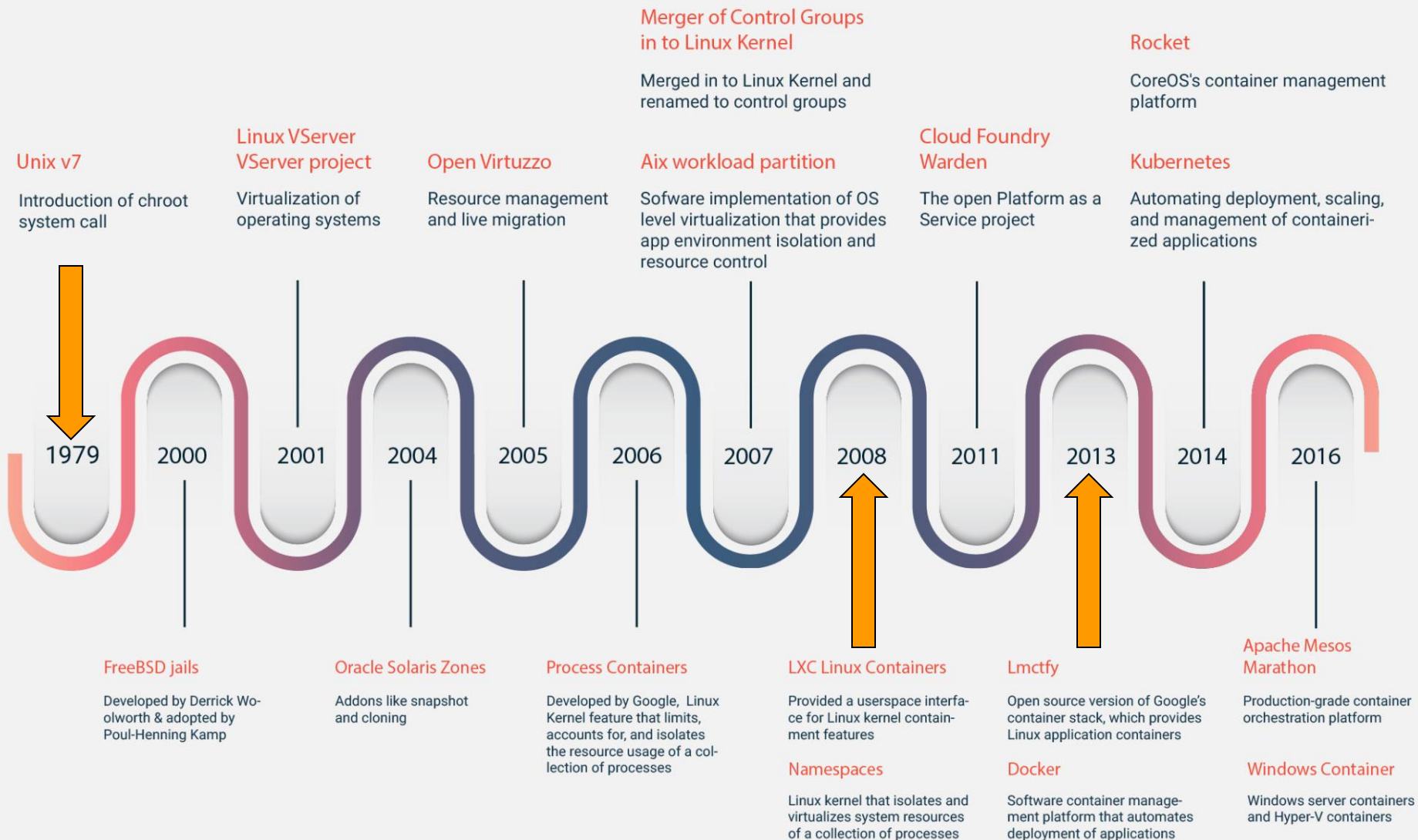
Independiente



Ambientes



Container Ecosystem Evolution Timeline





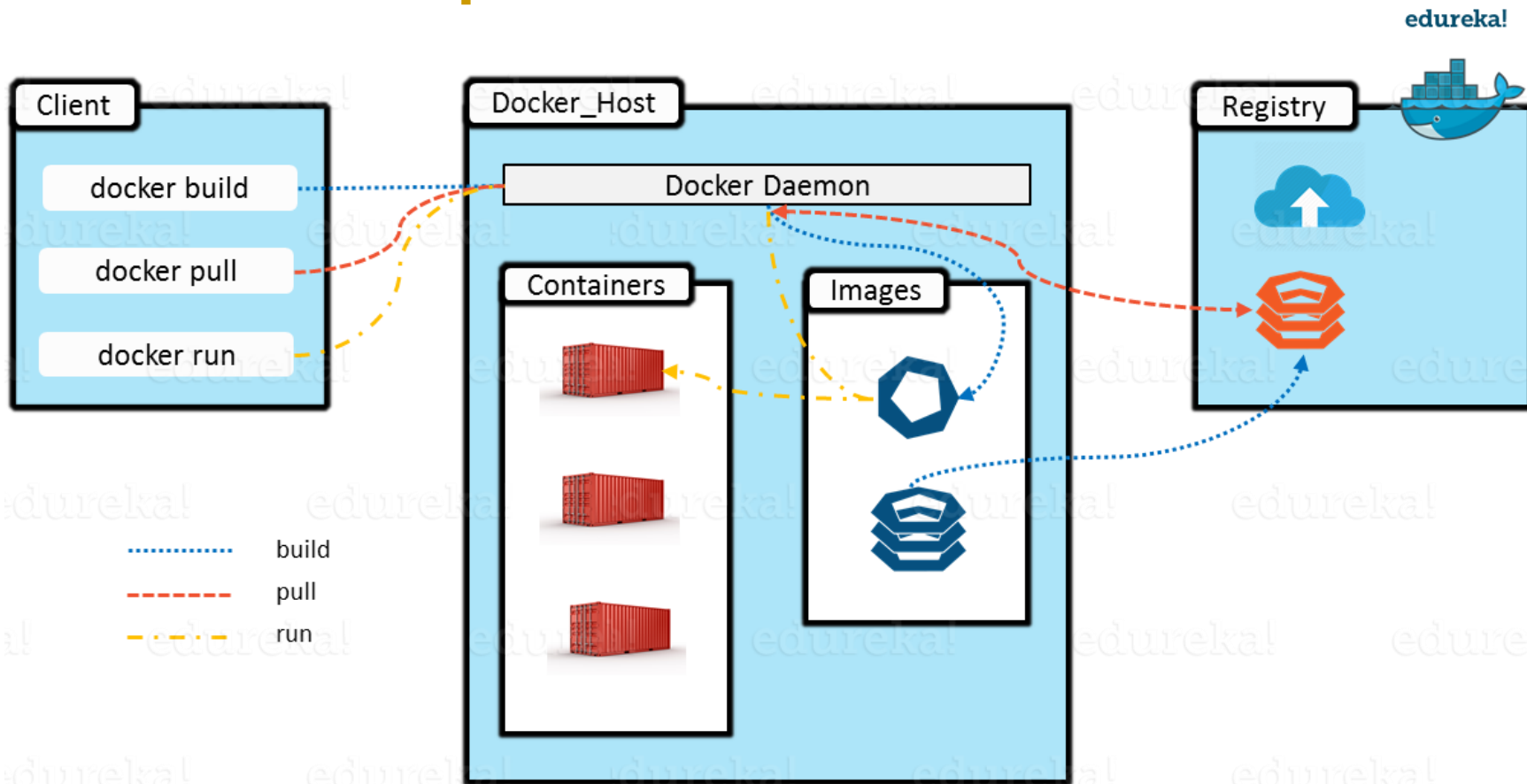
Tecnologías

ClusterUP ContainerScape

<p>Technology</p>	<p>Management</p>	<p>Monitoring</p>	<p>Networking, Storage, Security</p>	<p>OS</p>
<p>Orchestration Technologies</p>	<p>PAAS</p>	<p>Container Clouds</p>	<p>Continuous Integration</p>	<p>Endorsing Companies</p>
<p>Production</p>				



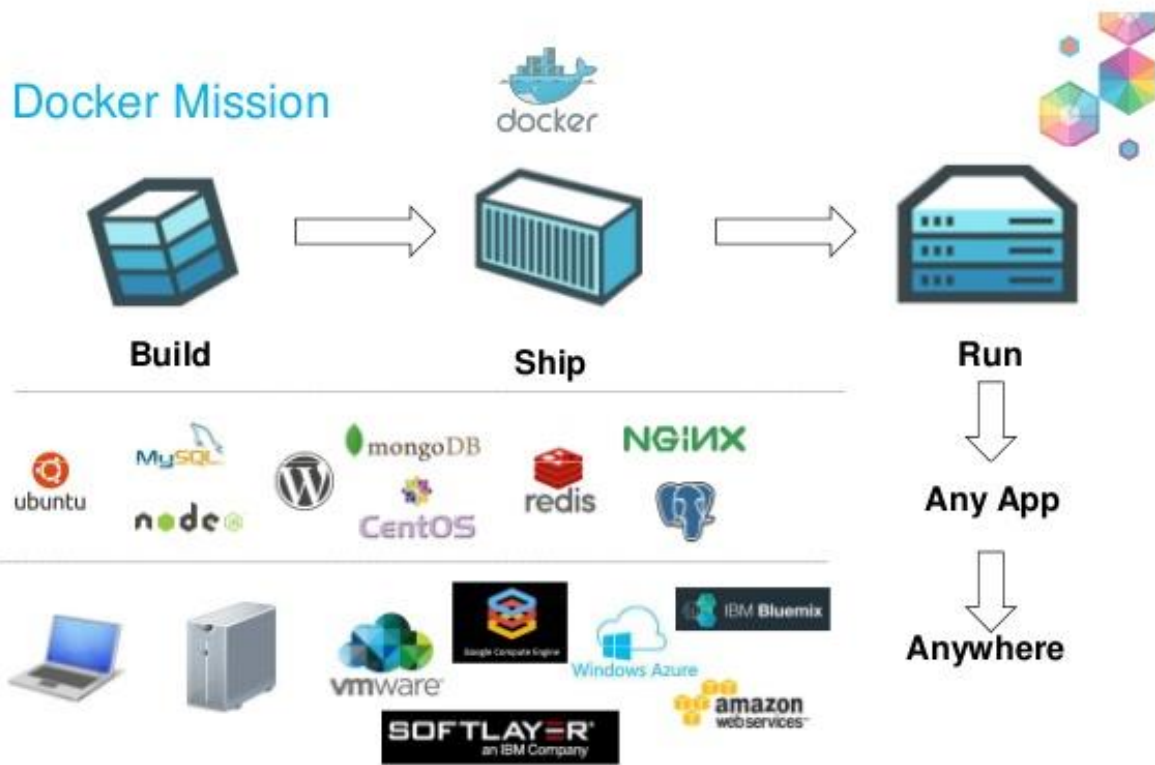
Arquitectura Docker



Redes, volúmenes y plugins.

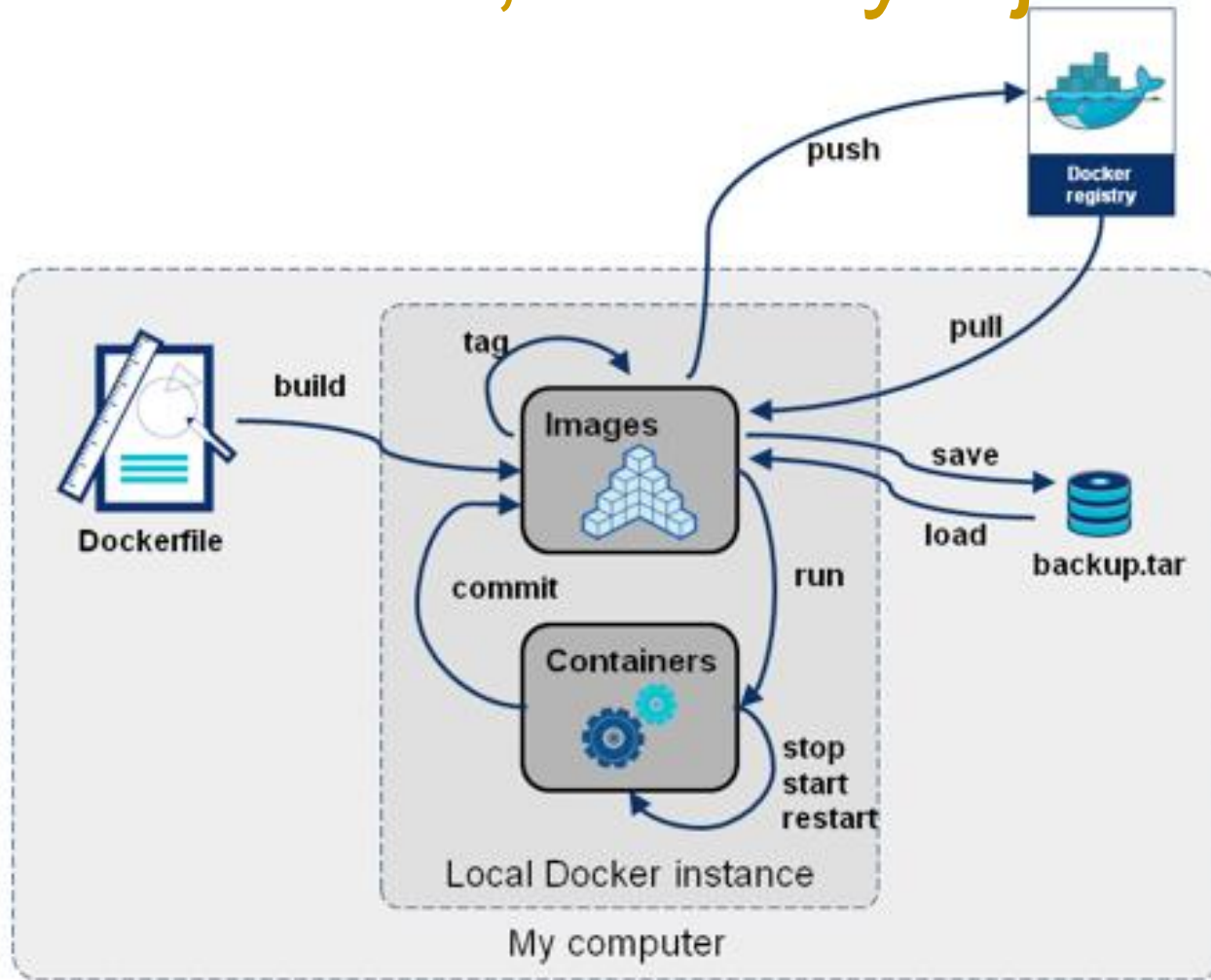


Funcionamiento





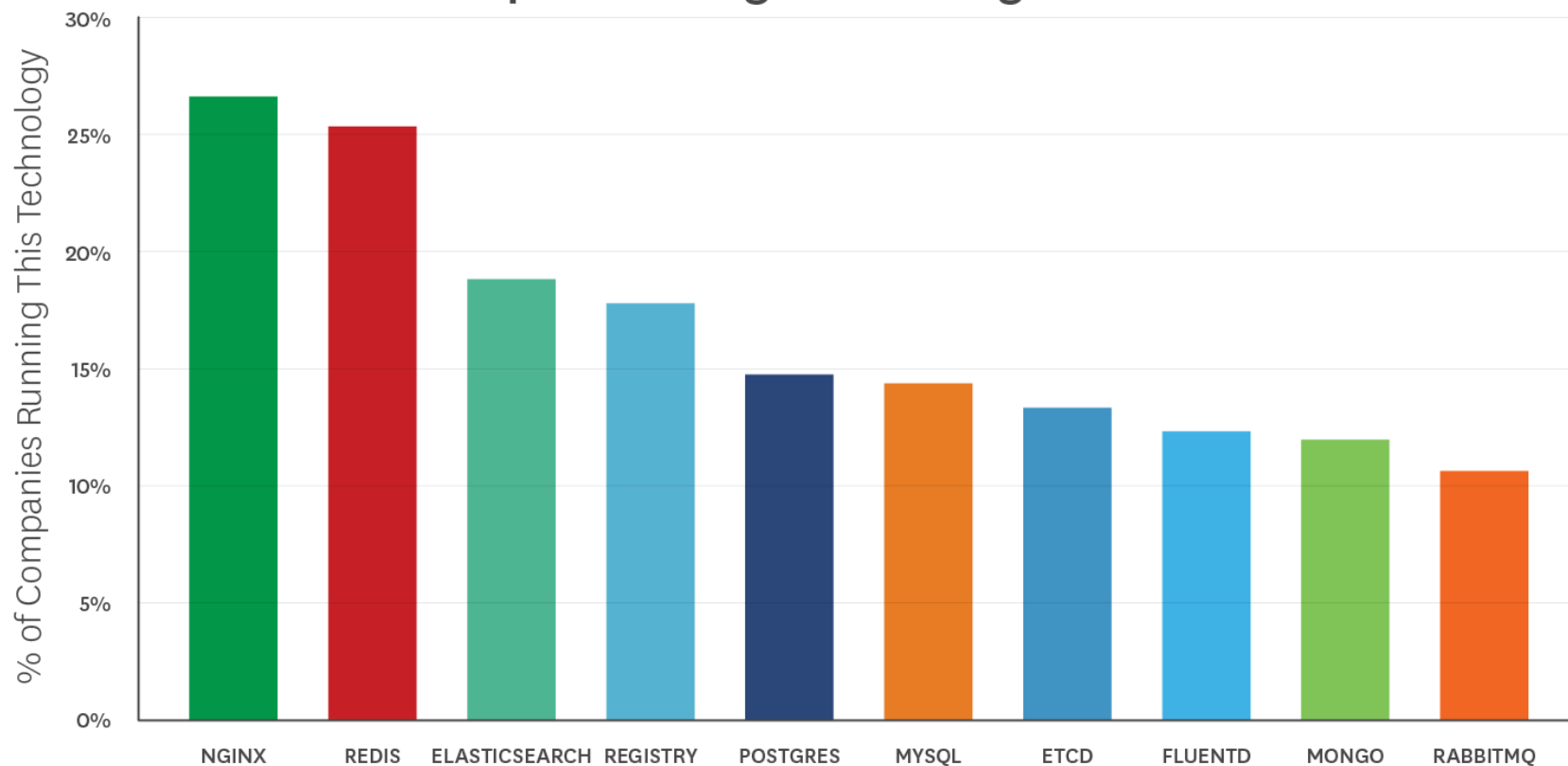
Construcción, envío y ejecución





Tecnologías con mayor uso

Top Technologies Running on Docker



Source: Datadog



Orquestadores



Control



Escalabilidad



Distribución



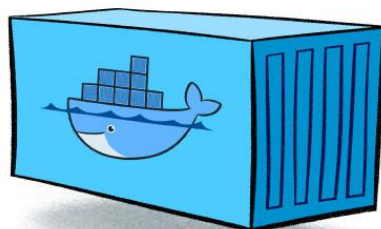
Operación





Experimento

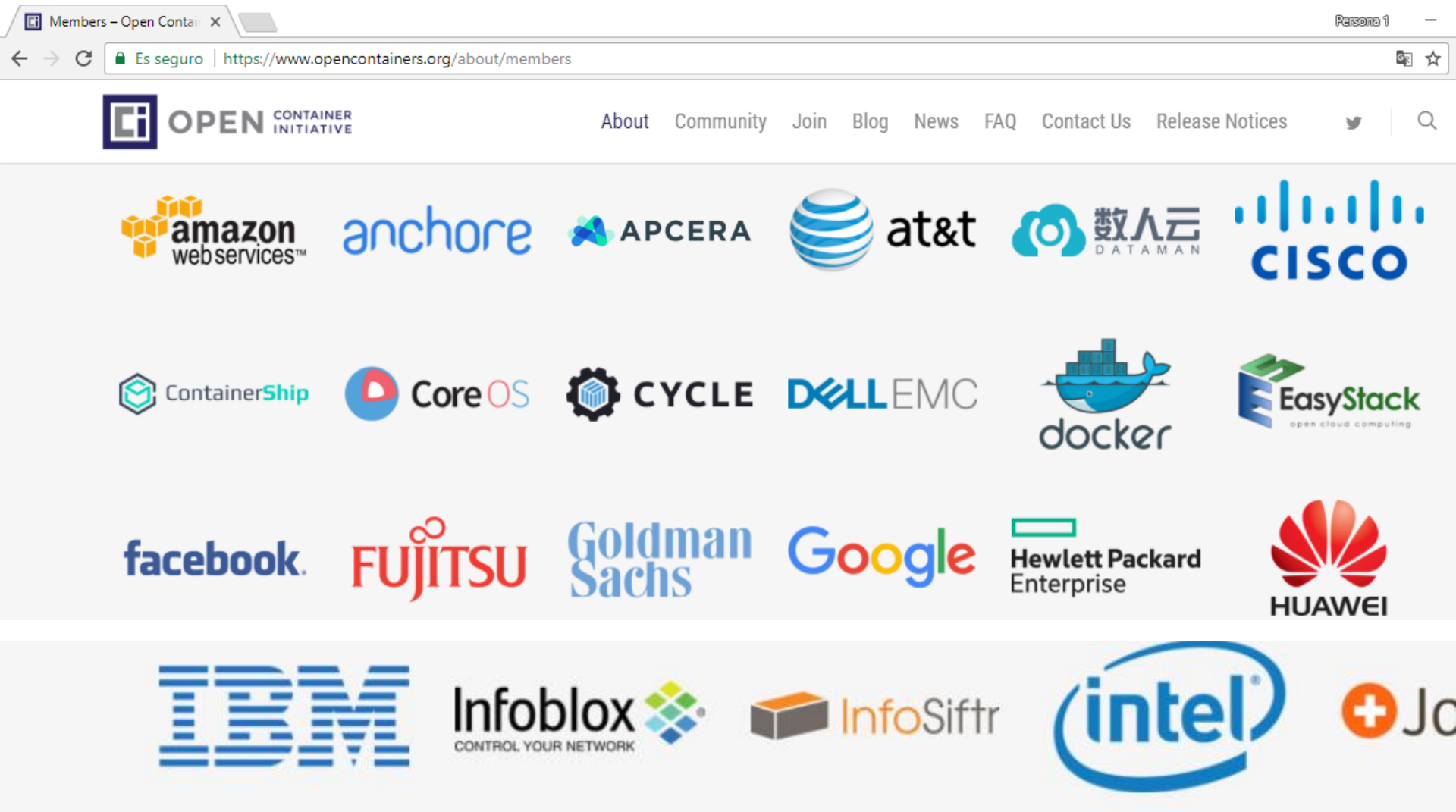

**Northern
Trust**



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



Iniciativa de contenedores abierta

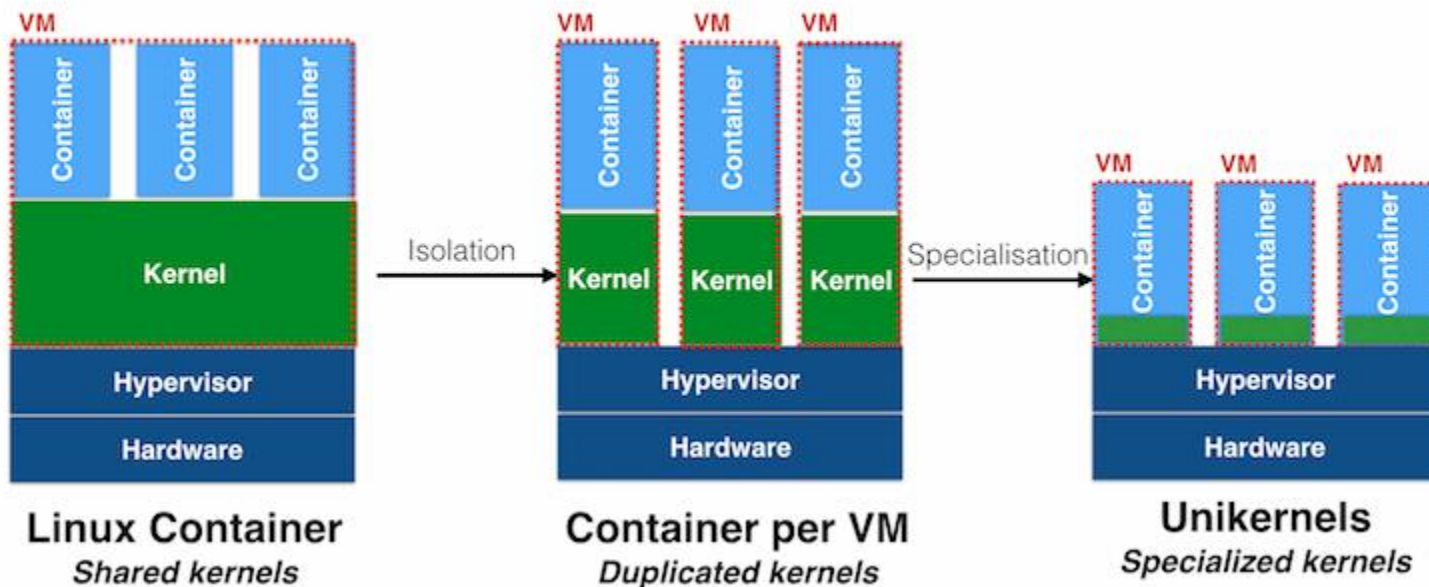




Siguientes pasos

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, a diagram illustrates the Moby architecture. 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 placeholder labeled "Your Component here". To the right of this list is a large, 3D-style diagram of a stack of components. The top layer is labeled "Assemblies". The bottom layer is labeled "Moby Tools". The diagram shows how individual components from the library are assembled into a larger system.



Práctica





Conclusiones

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



Preguntas

