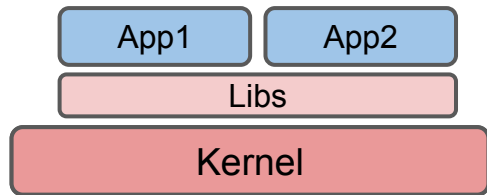


What you should know about (docker) containers

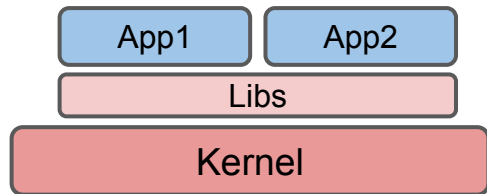
<https://github.com/paulopez78/docker-containers/>

Bare Metal



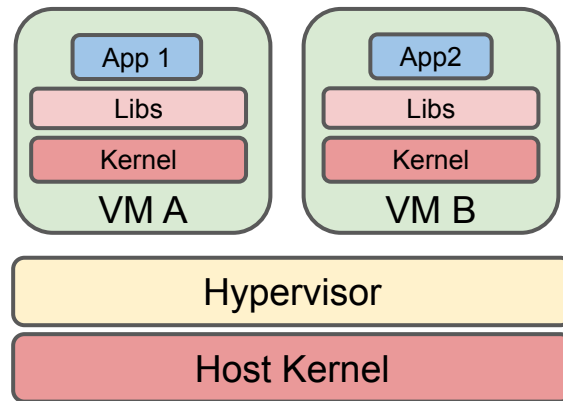
Size: ***KB***
Start up: ***ms***
Density: ***+1000***

Bare Metal



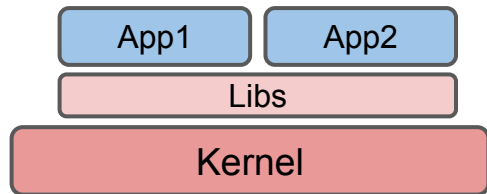
Size: **KB**
Start up: **ms**
Density: **+1000**

VM



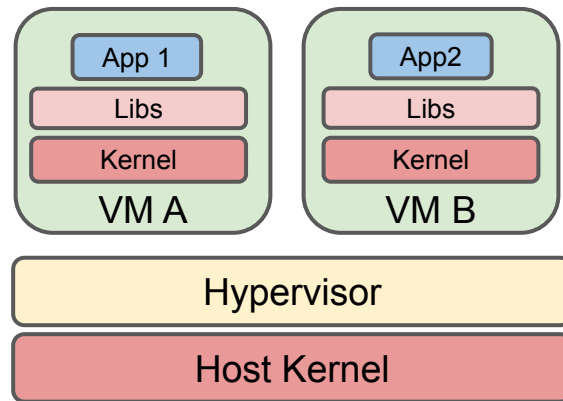
Size: **GB**
Start up: **seconds**
Density: **+10**

Bare Metal

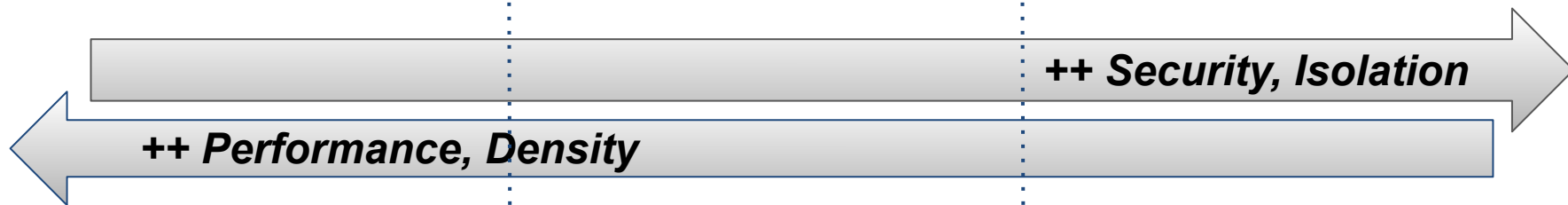


Size: *KB*
Start up: *ms*
Density: *+1000*

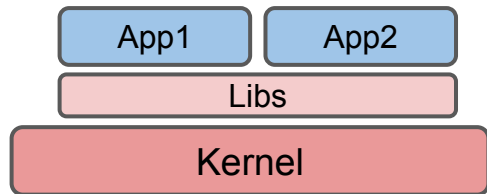
VM



Size: *GB*
Start up: *seconds*
Density: *+10*

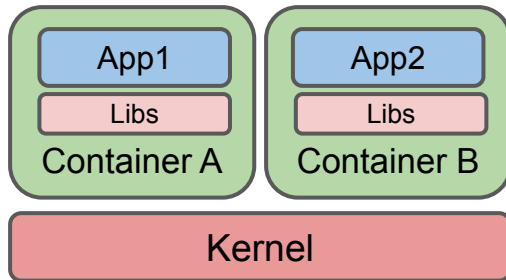


Bare Metal



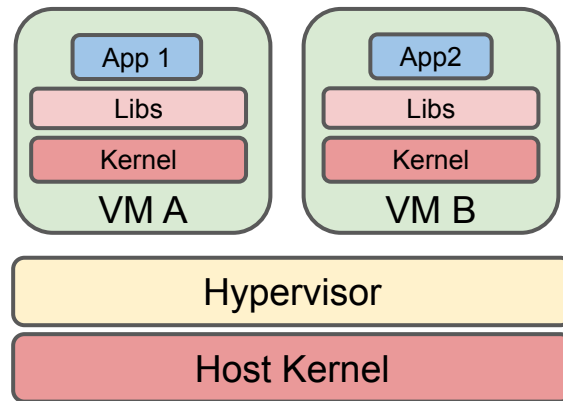
Size: *KB*
Start up: *ms*
Density: *+1000*

Container

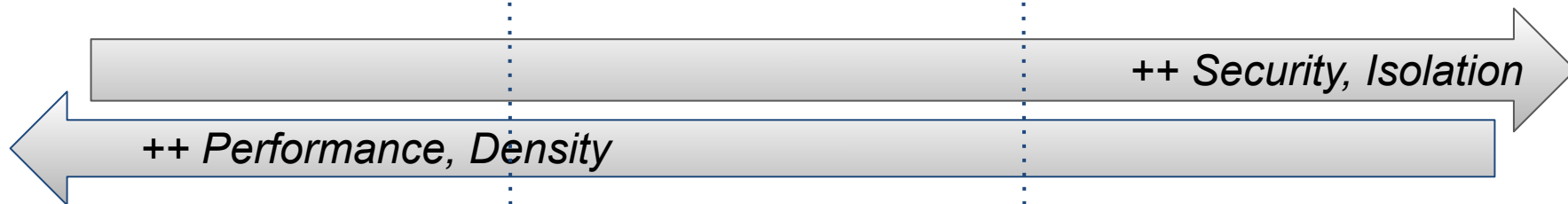


Size: ***MB***
Start up: ***ms***
Density: ***+100***

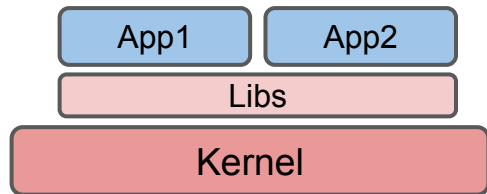
VM



Size: *GB*
Start up: *seconds*
Density: *+10*

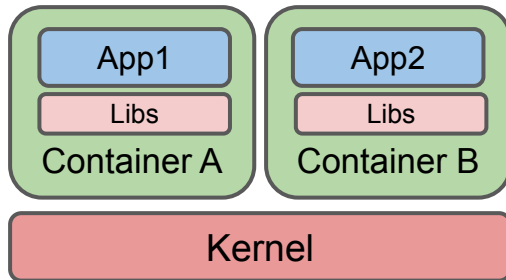


Bare Metal



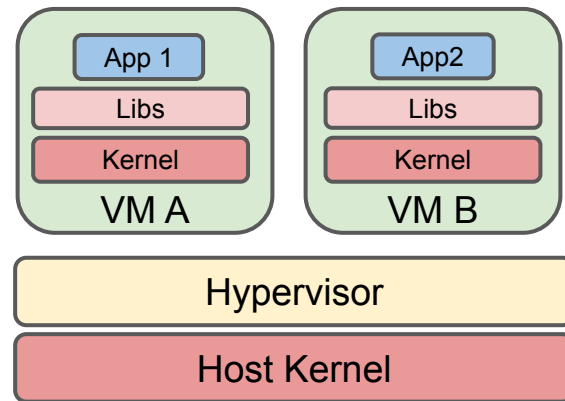
Size: KB
Start up: ms
Density: +1000

Container

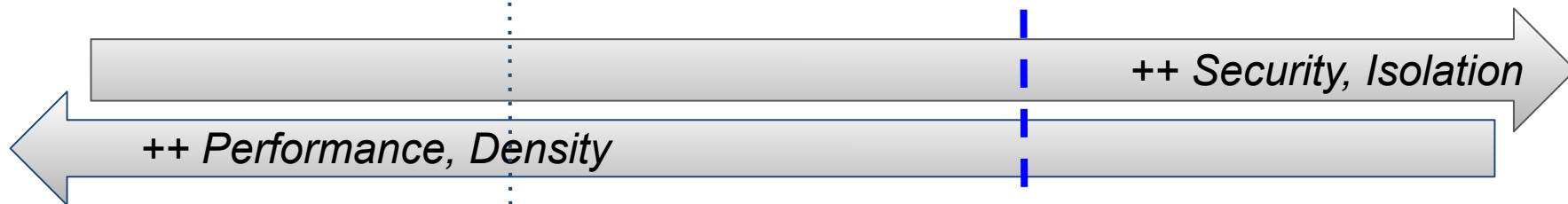


Size: MB
Start up: ms
Density: +100

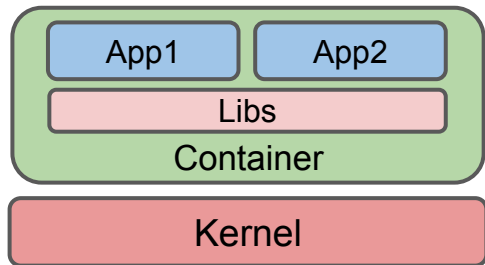
VM



Size: GB
Start up: seconds
Density: +10

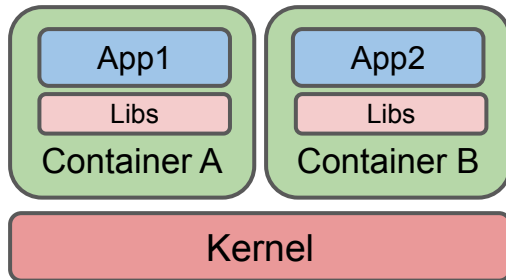


Bare Metal



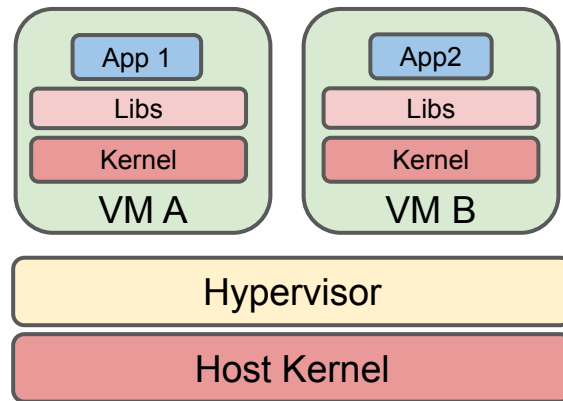
Size: KB
Start up: ms
Density: +1000

Container

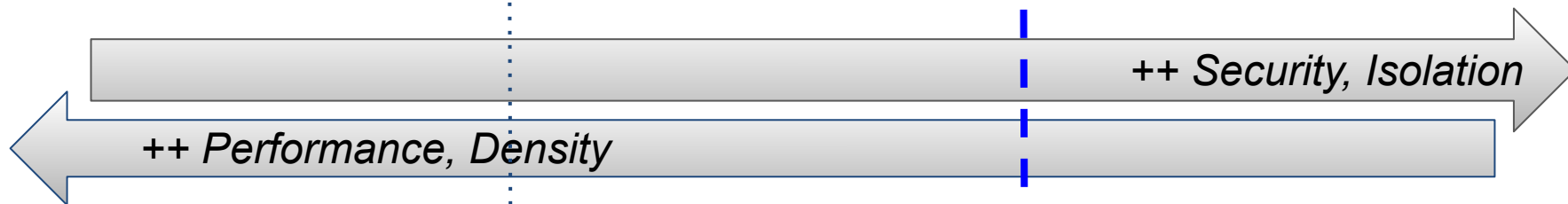


Size: MB
Start up: ms
Density: +100

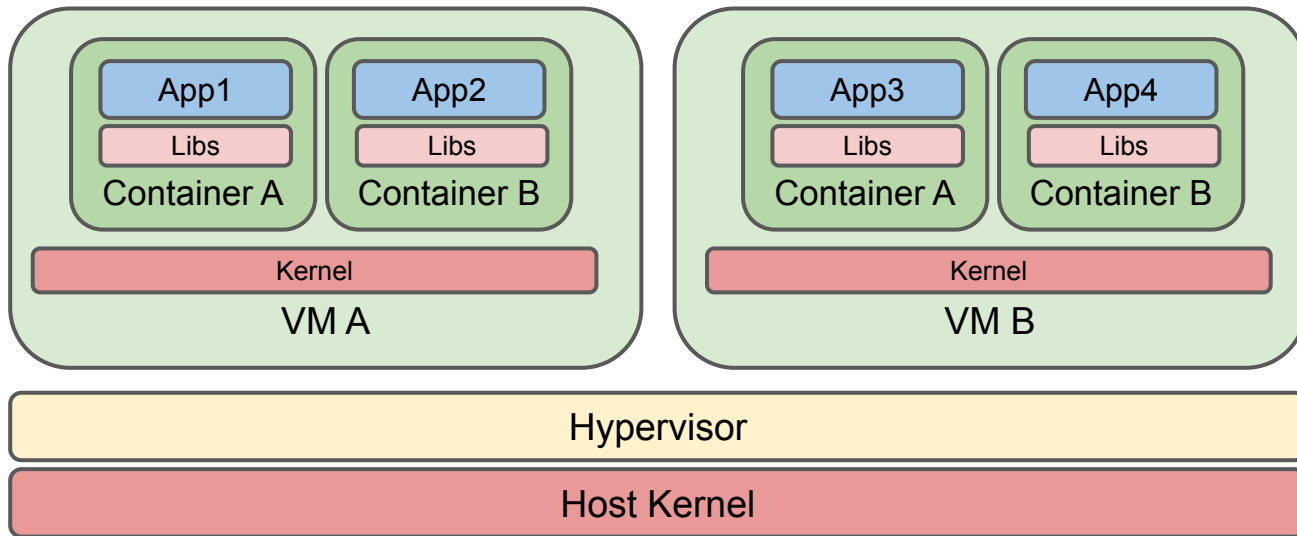
VM



Size: GB
Start up: seconds
Density: +10



VMs with Containers

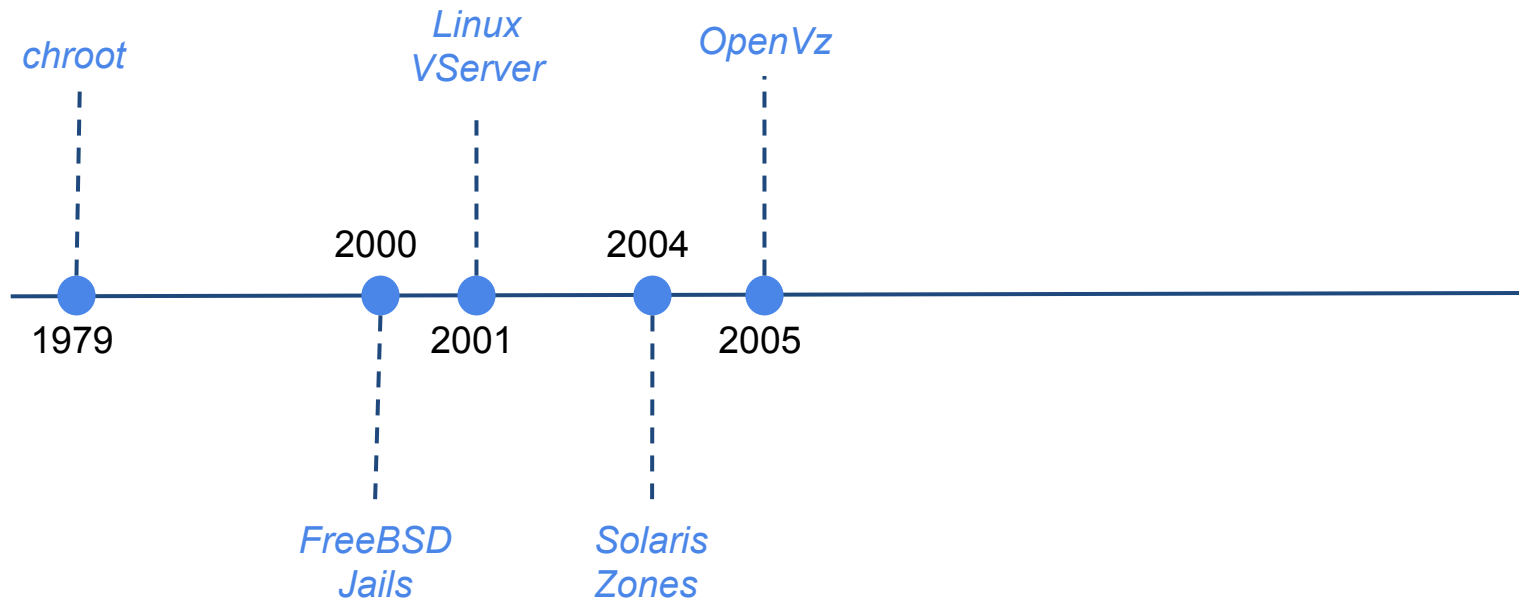


Containers History

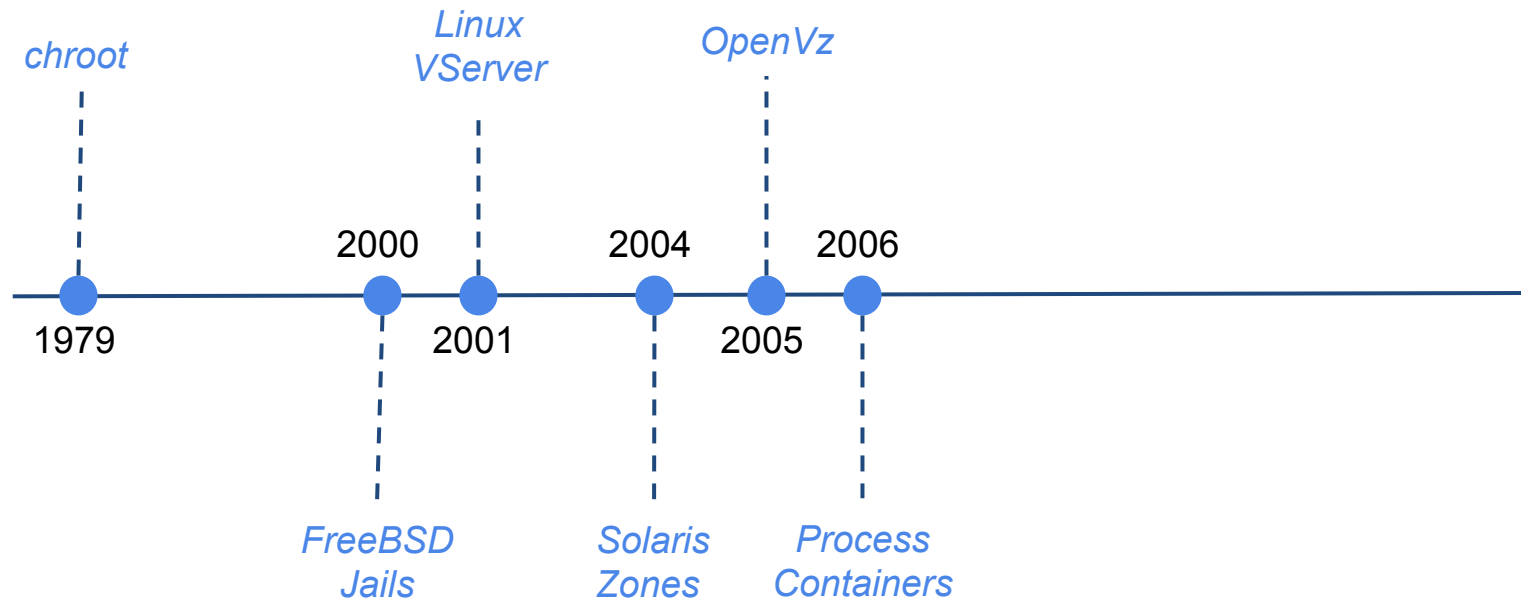
chroot



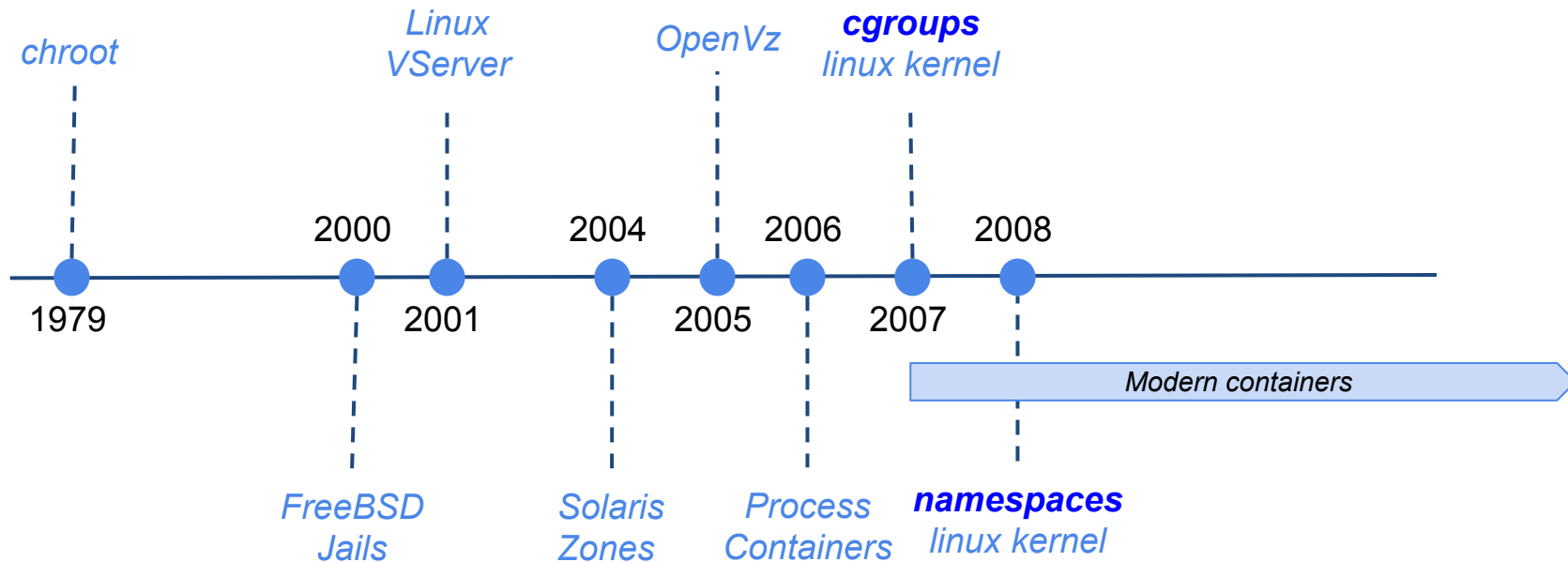
Containers History



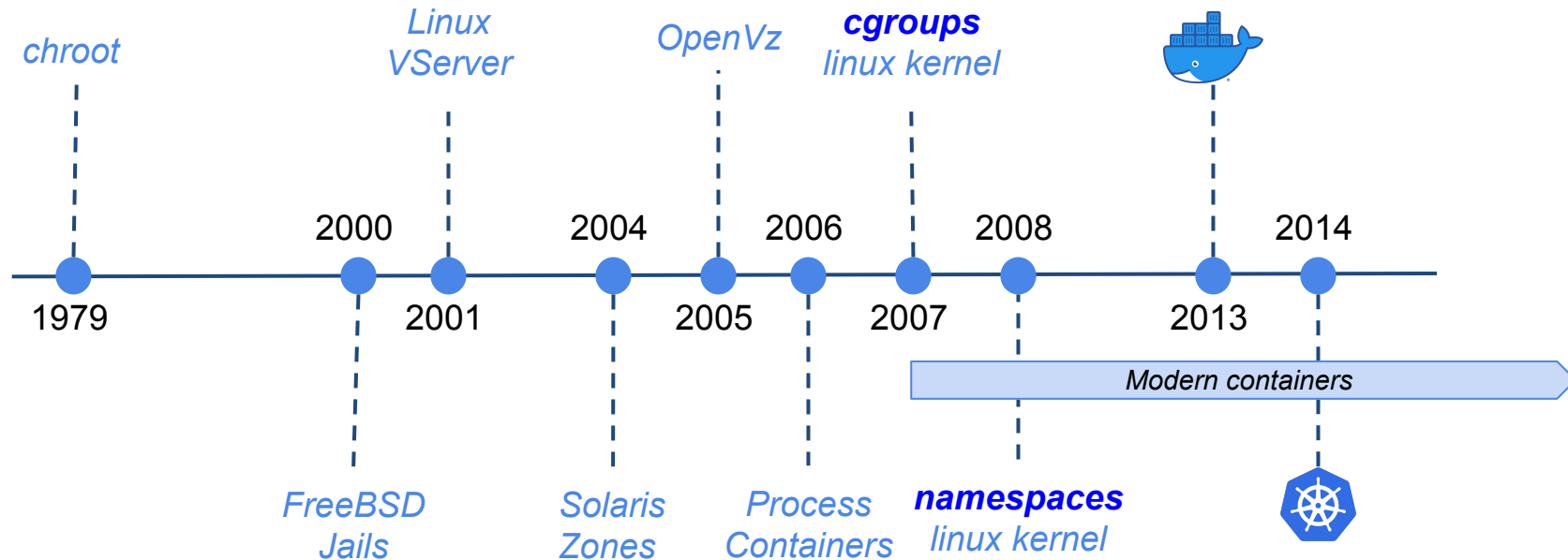
Containers History



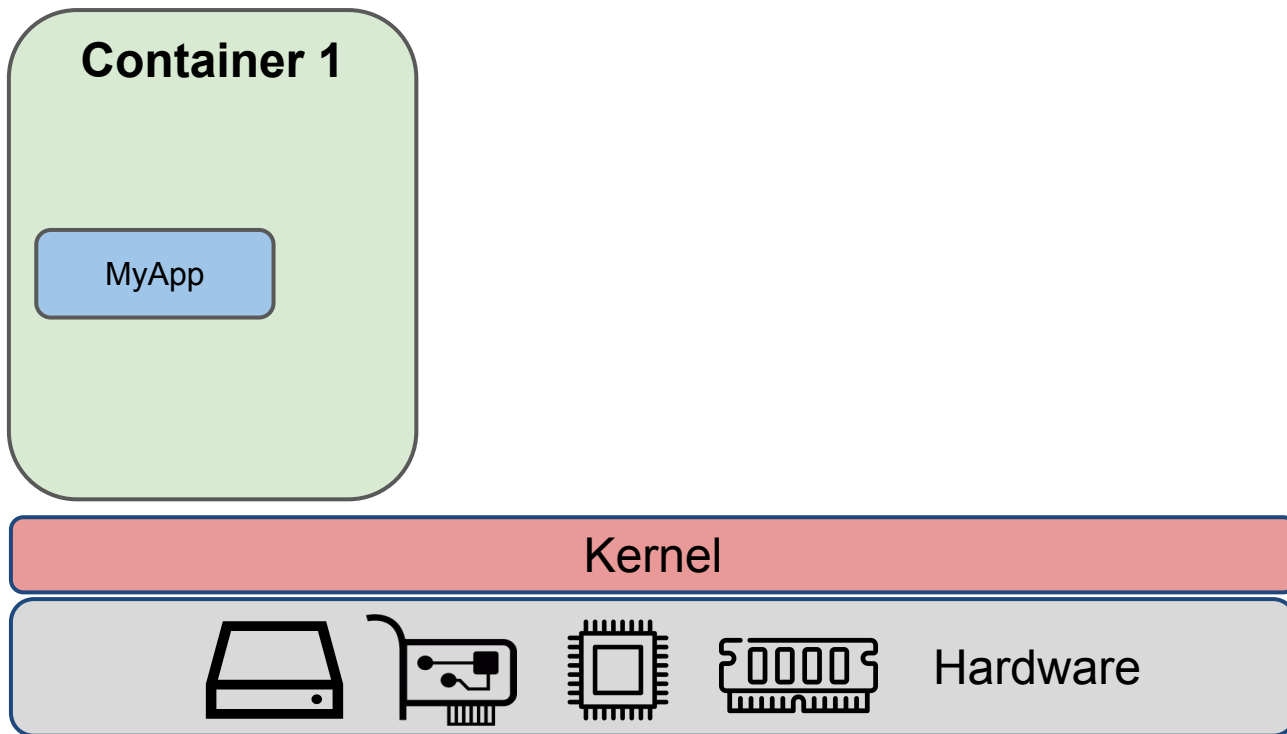
Containers History



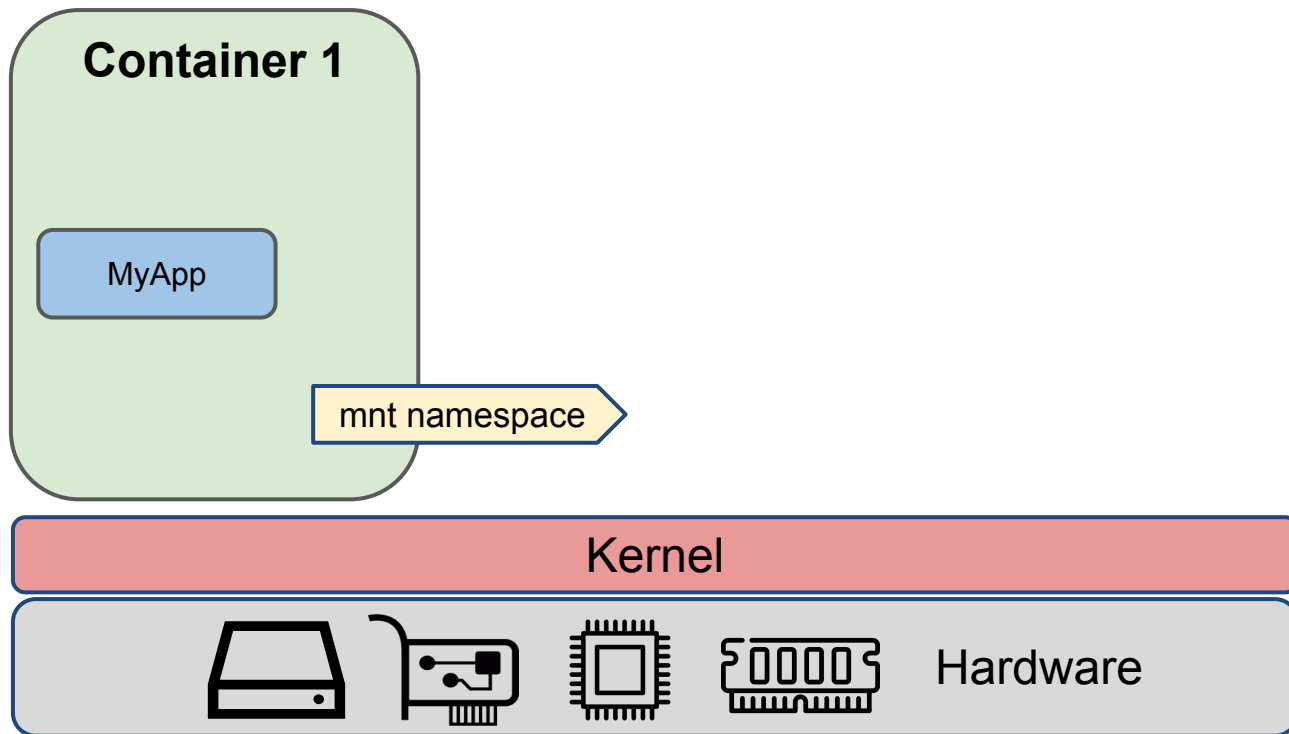
Containers History



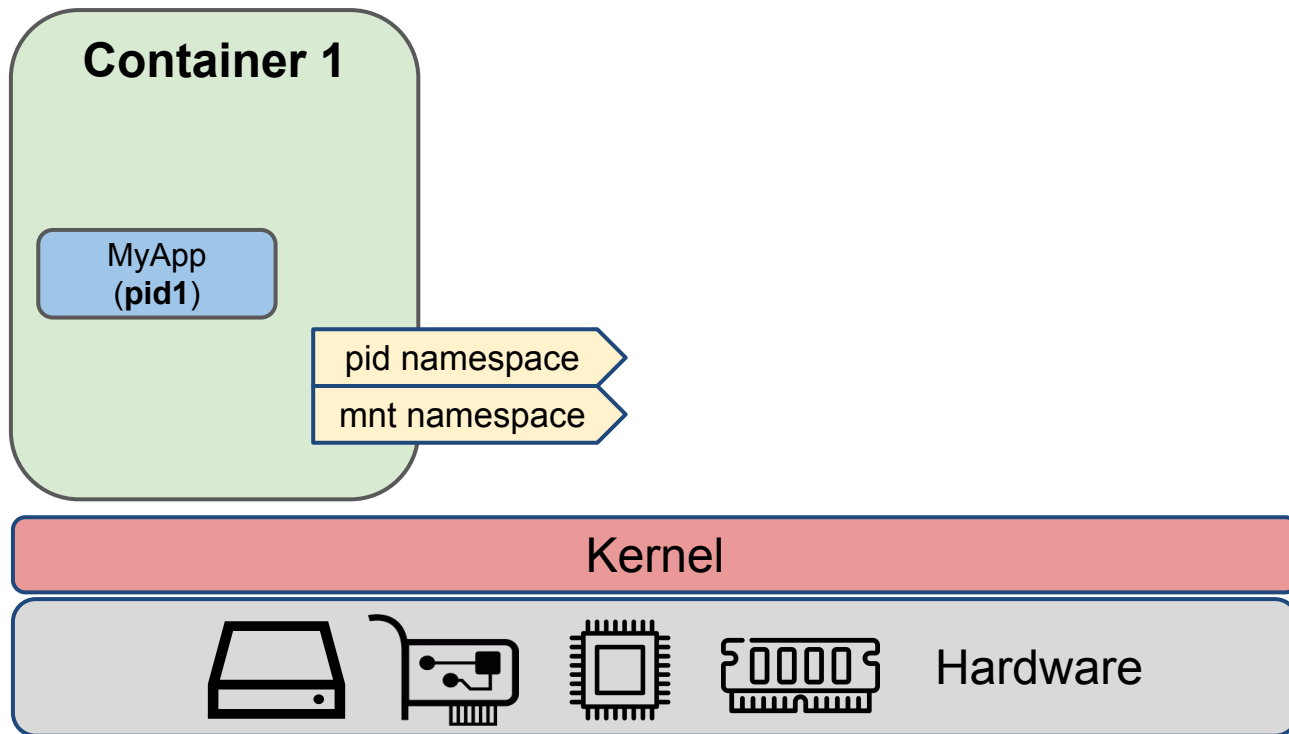
cgroups and namespaces



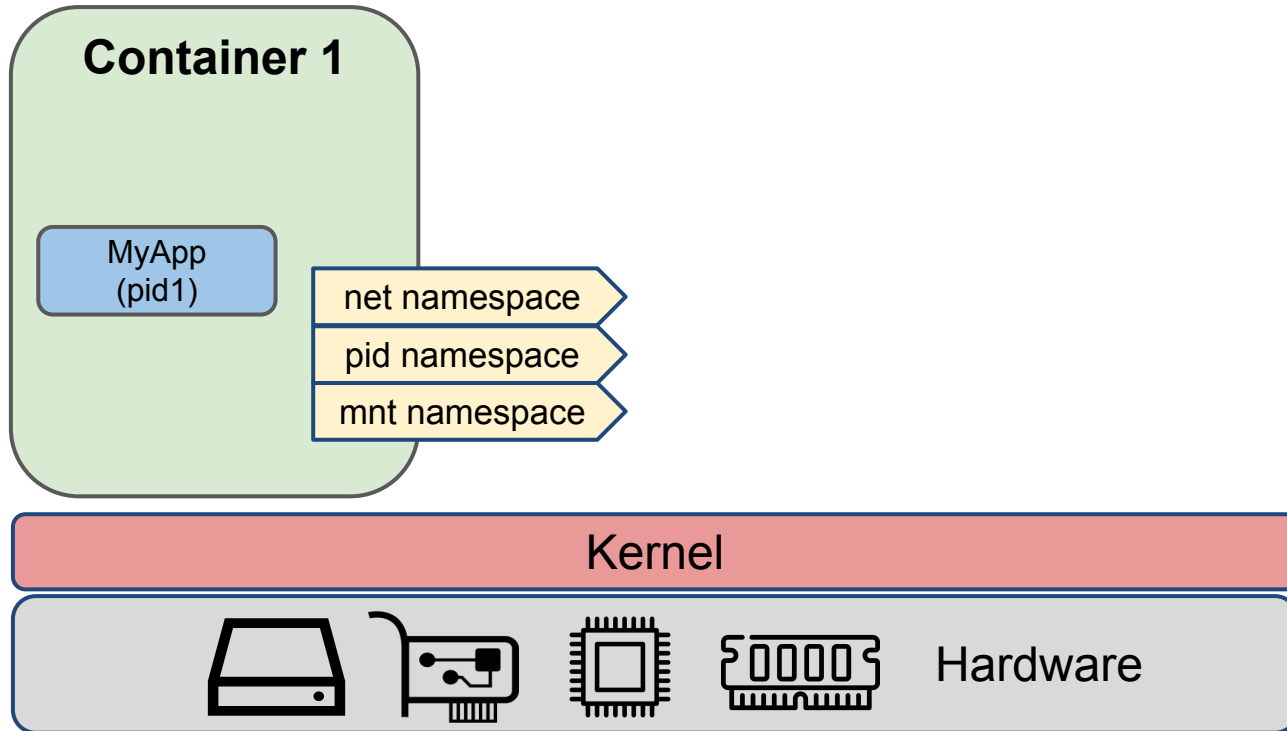
cgroups and namespaces



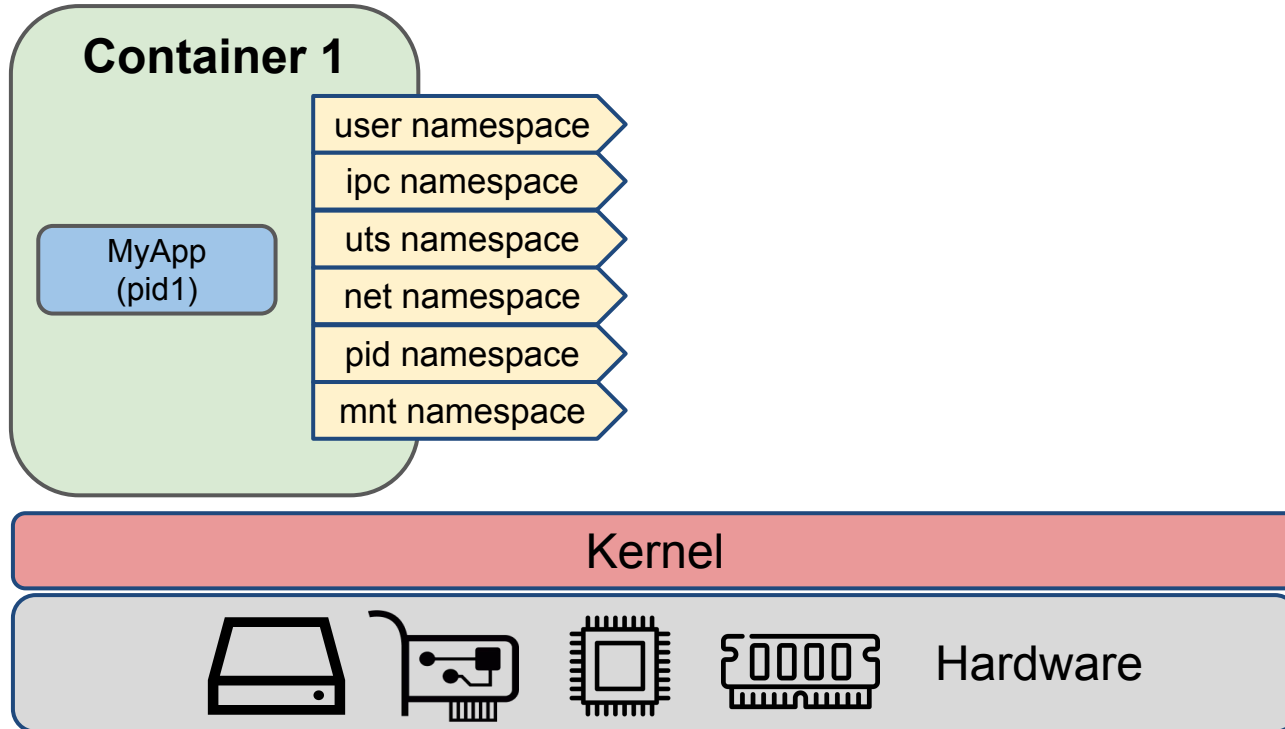
cgroups and namespaces



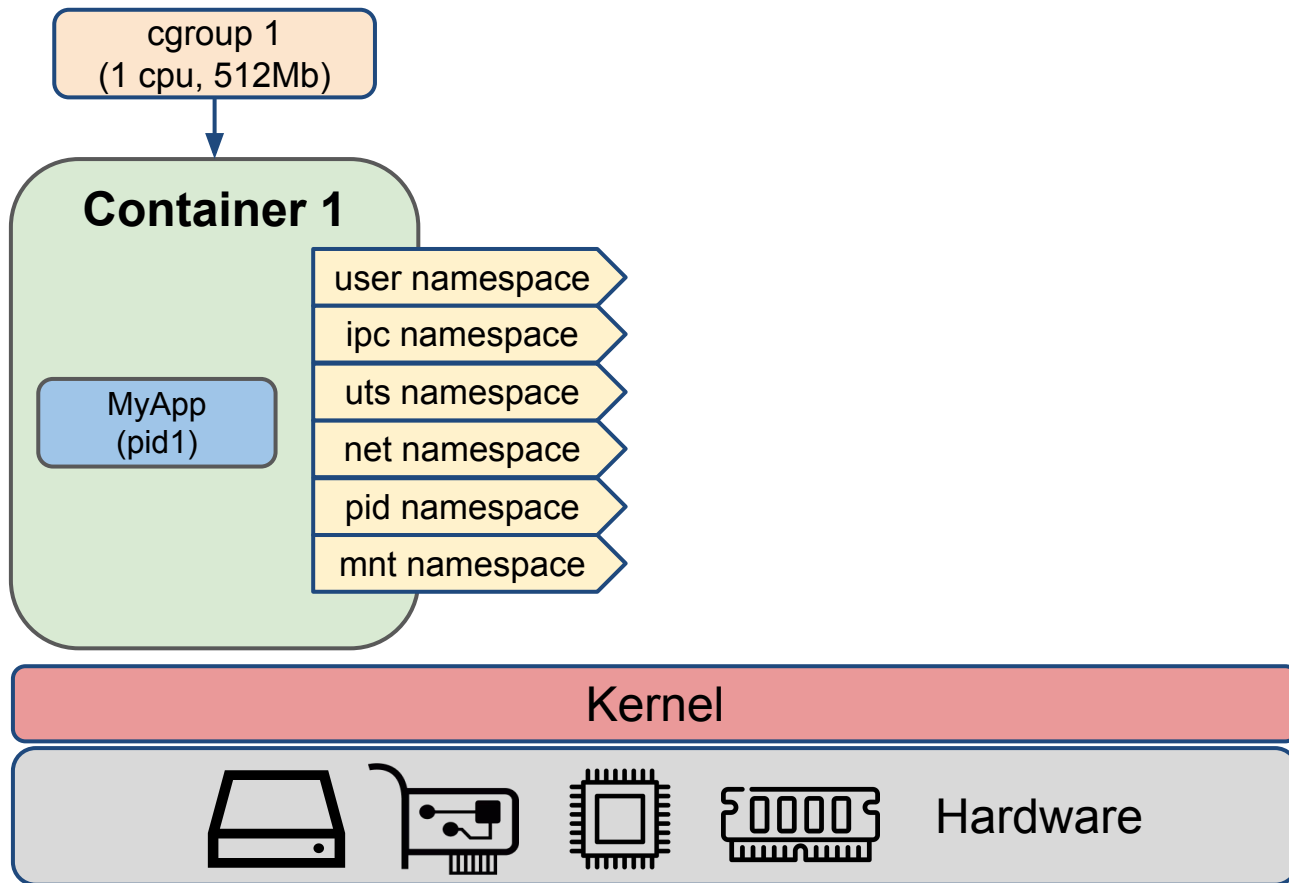
cgroups and namespaces



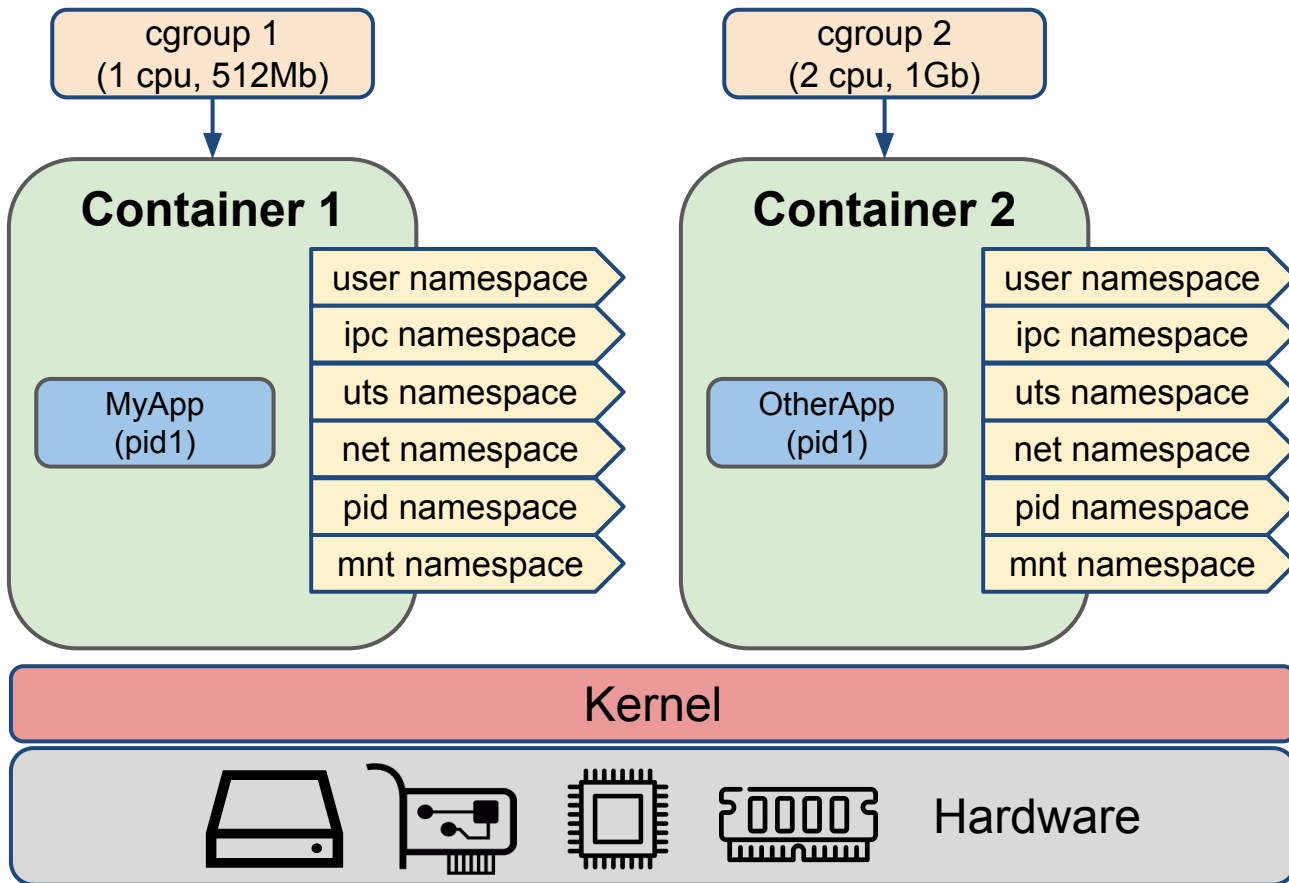
cgroups and namespaces



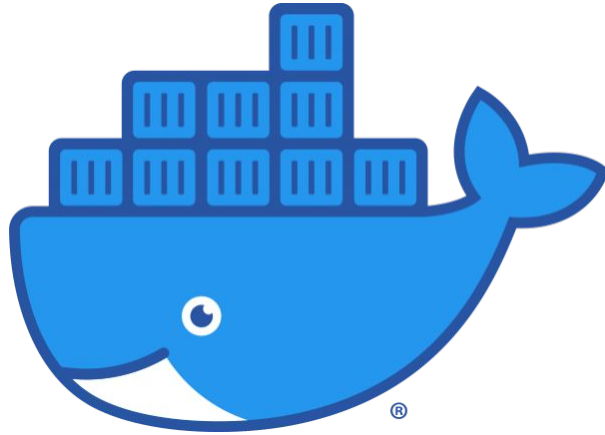
cgroups and namespaces



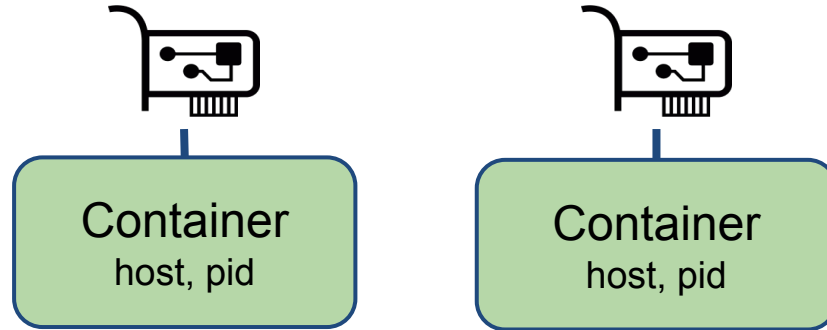
cgroups and namespaces



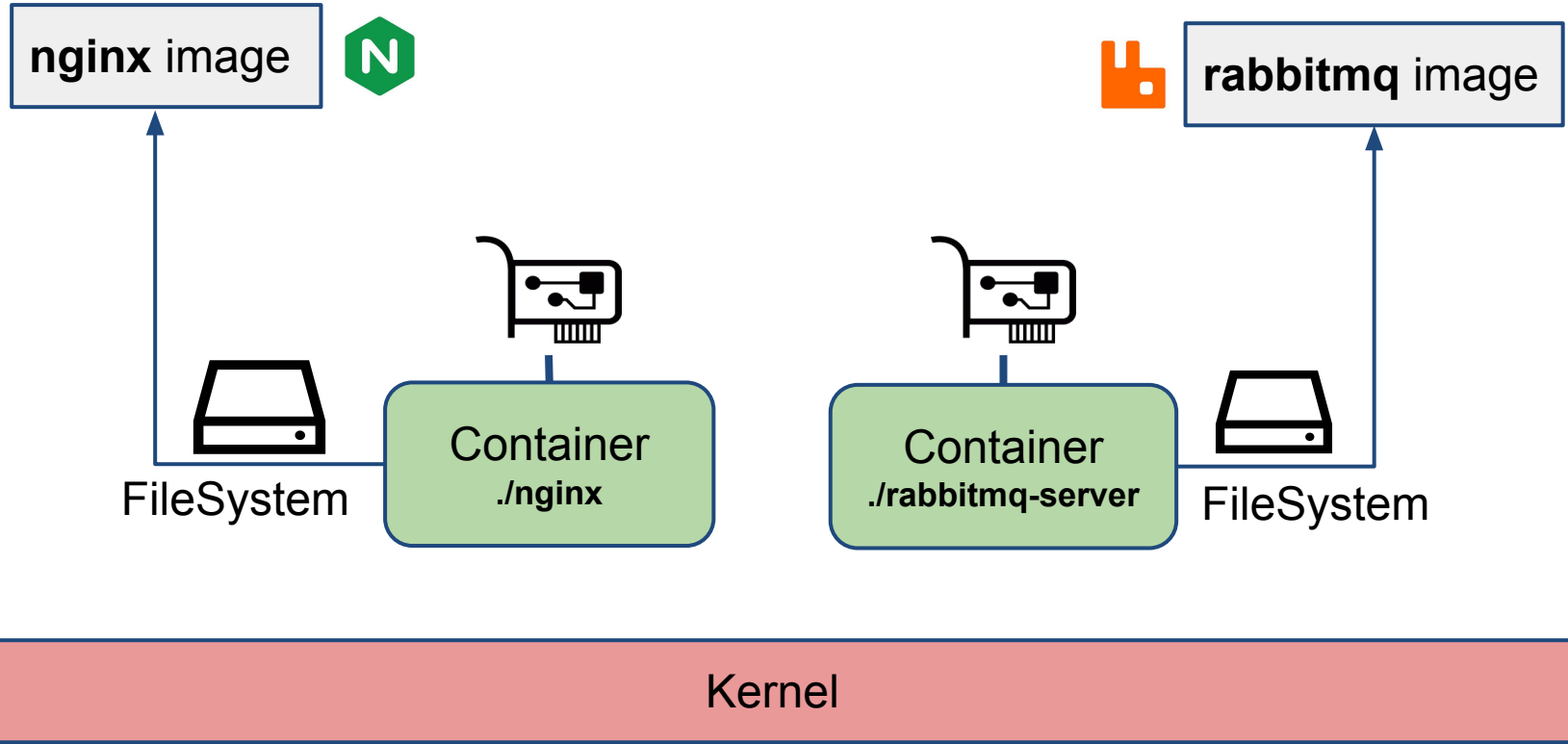
Docker



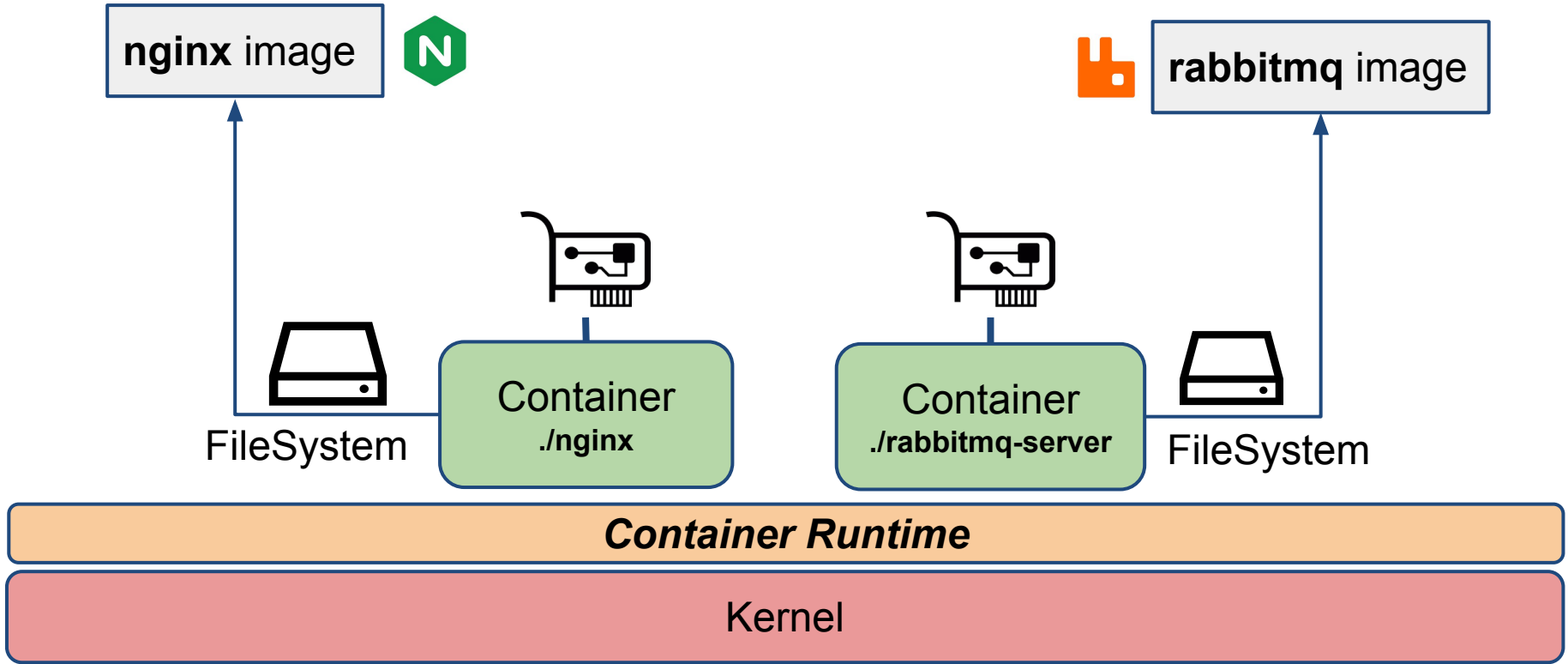
Containers = namespaces + cgroups



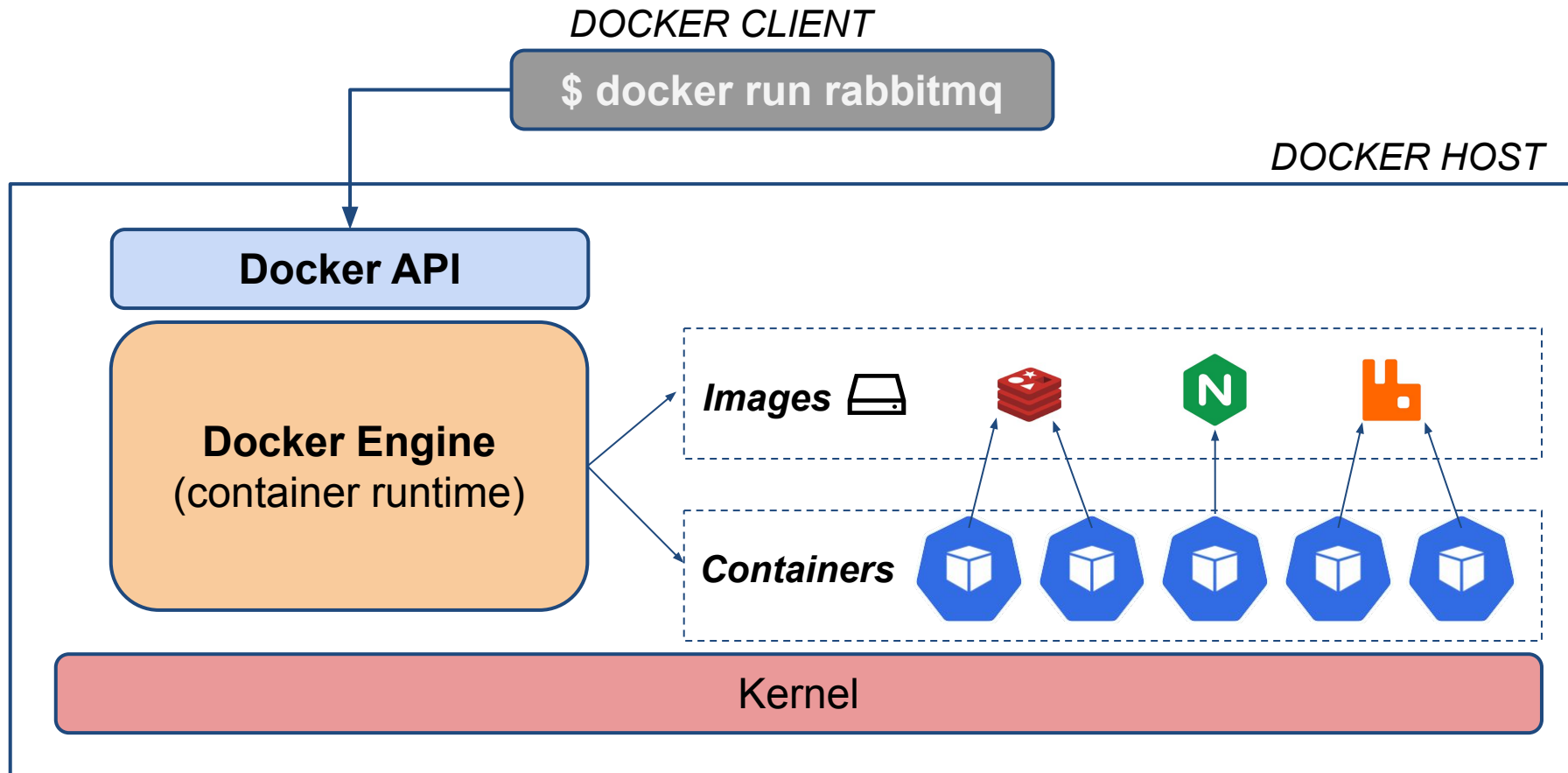
Containers = namespaces + cgroups + docker image



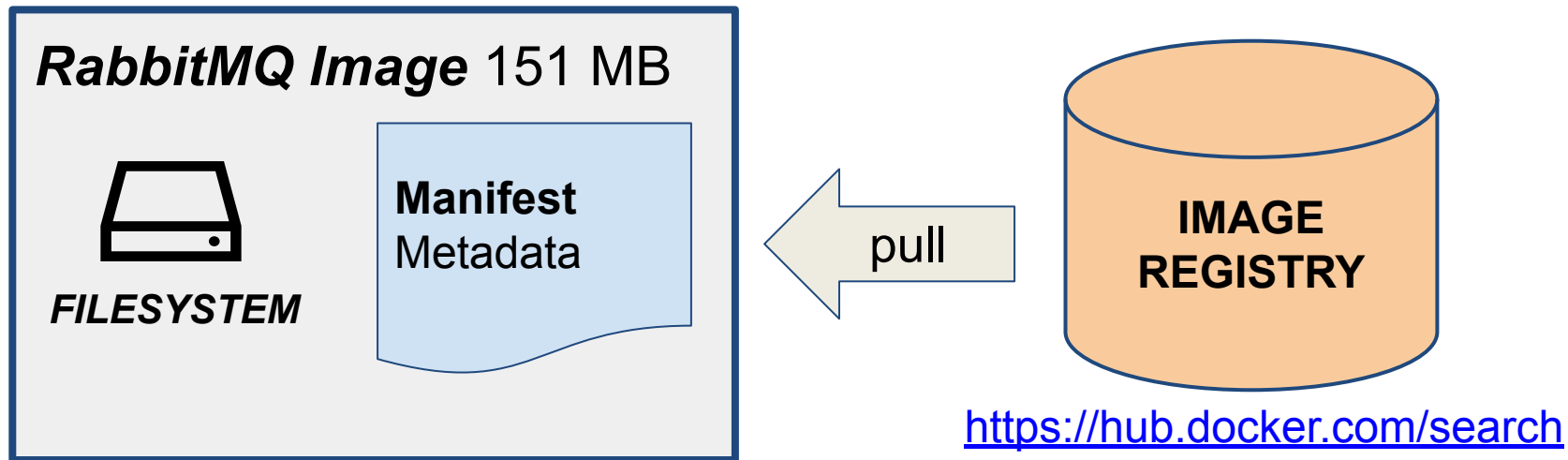
Containers = namespaces + cgroups + docker image



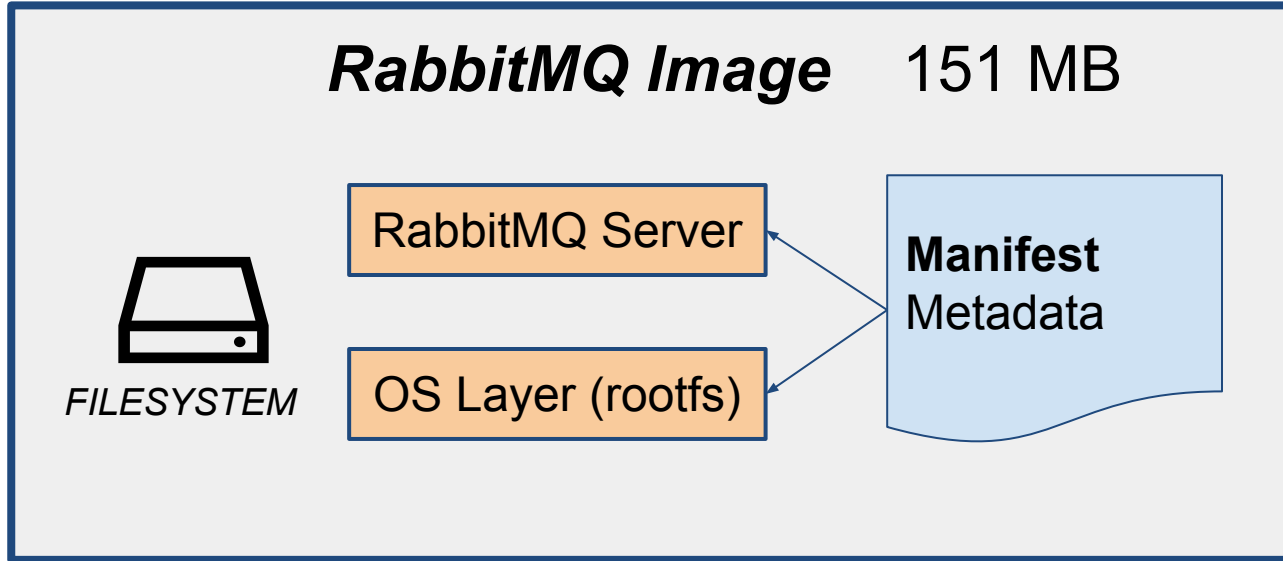
Docker architecture overview



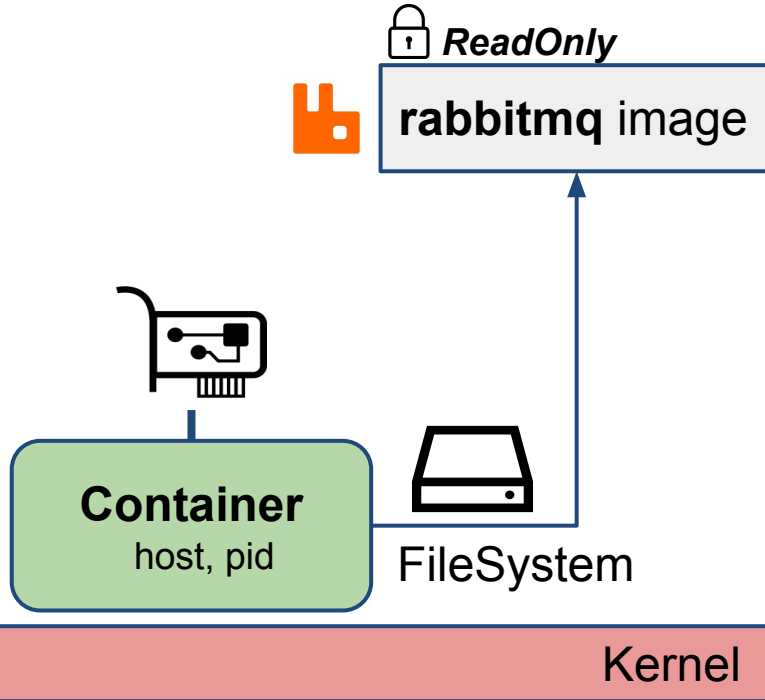
What is a Docker Image?



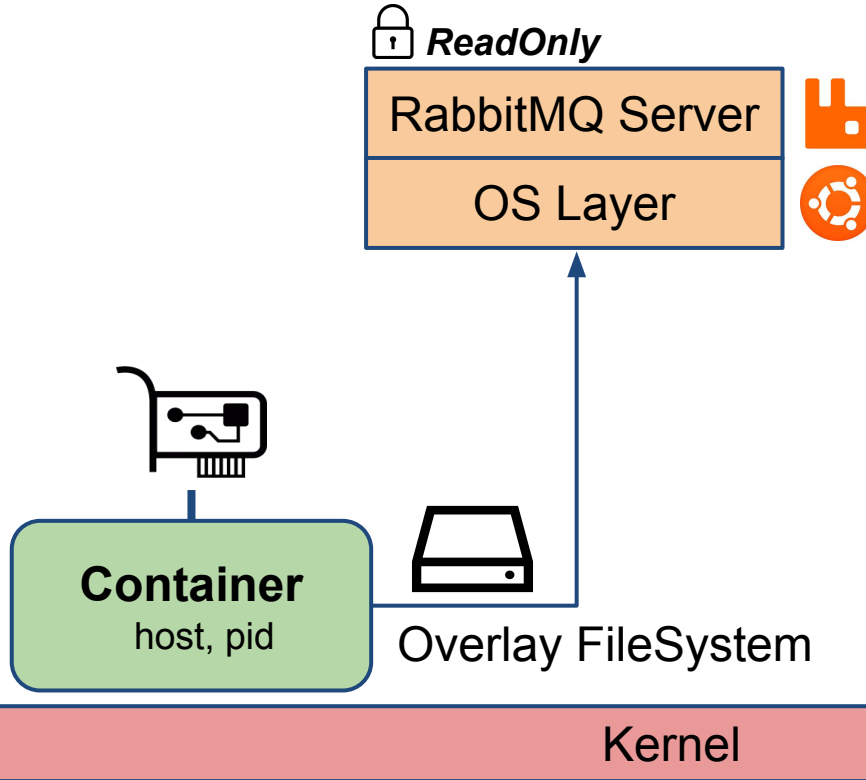
What is a Docker Image?



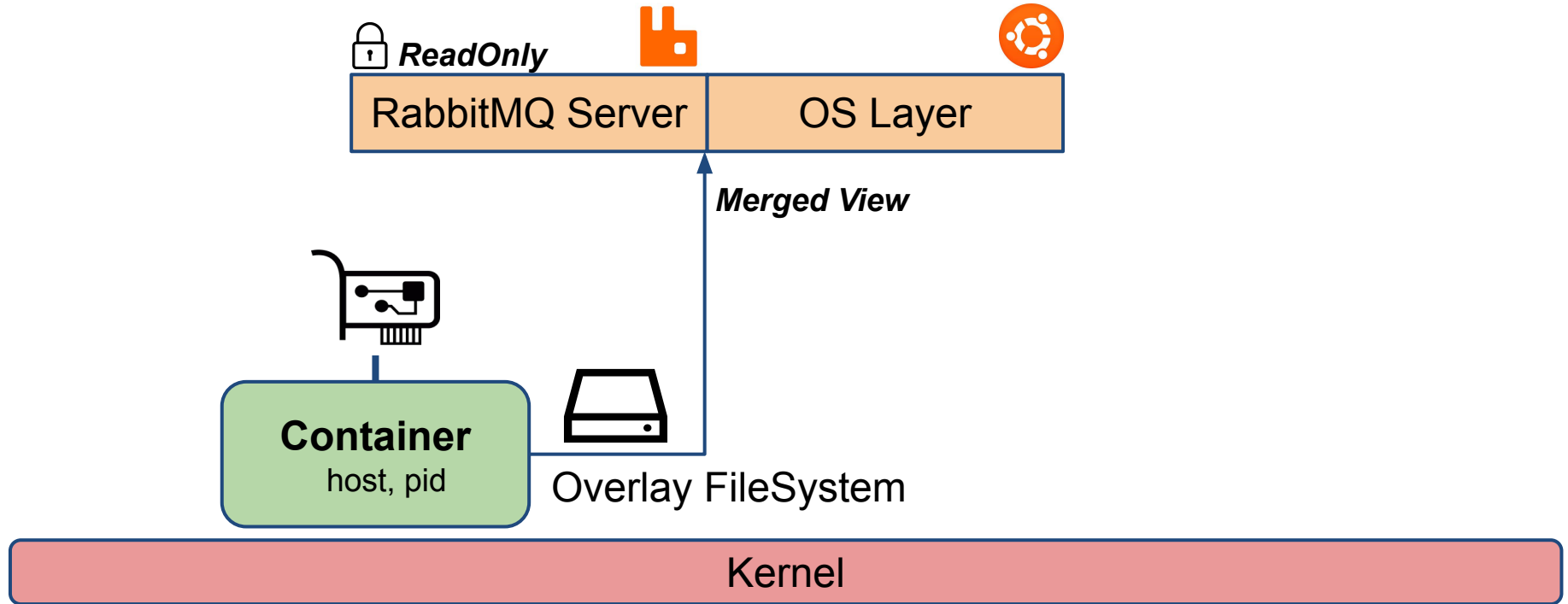
Overlay FileSystem



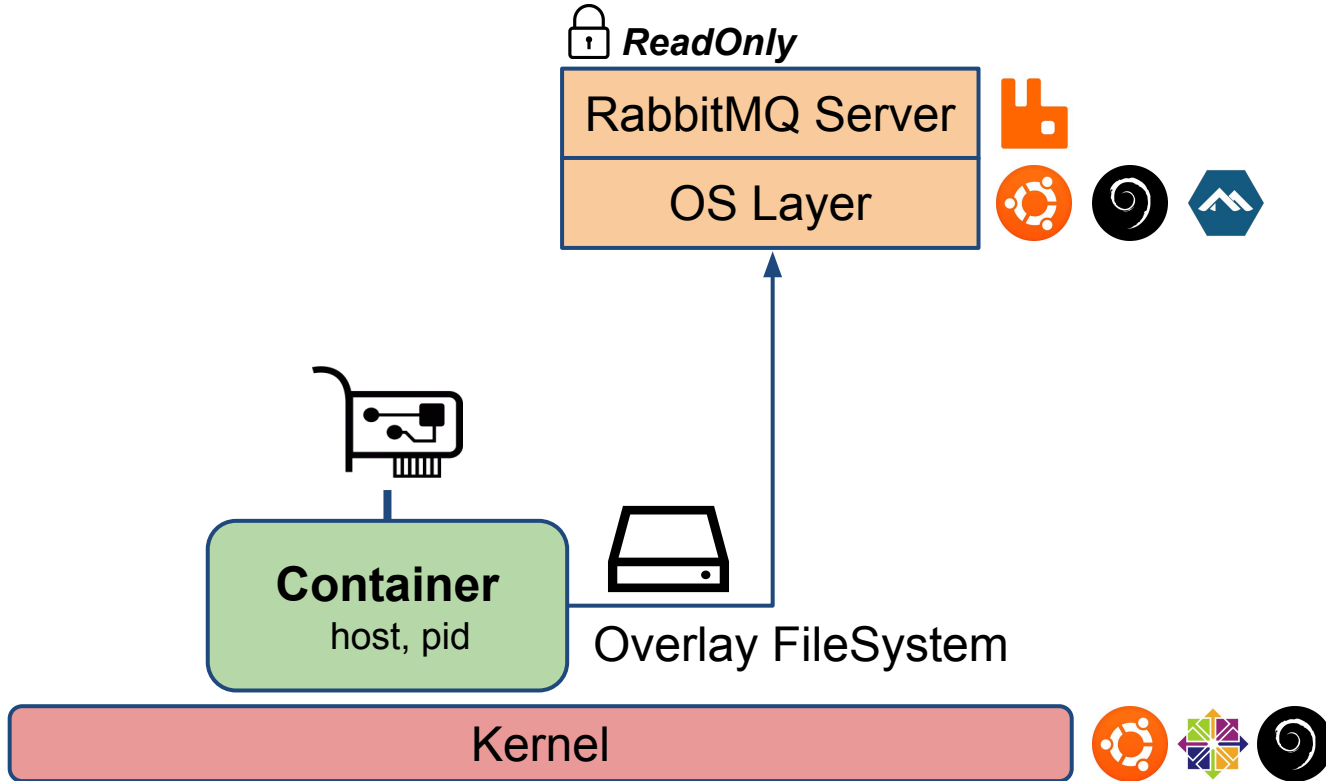
Overlay FileSystem



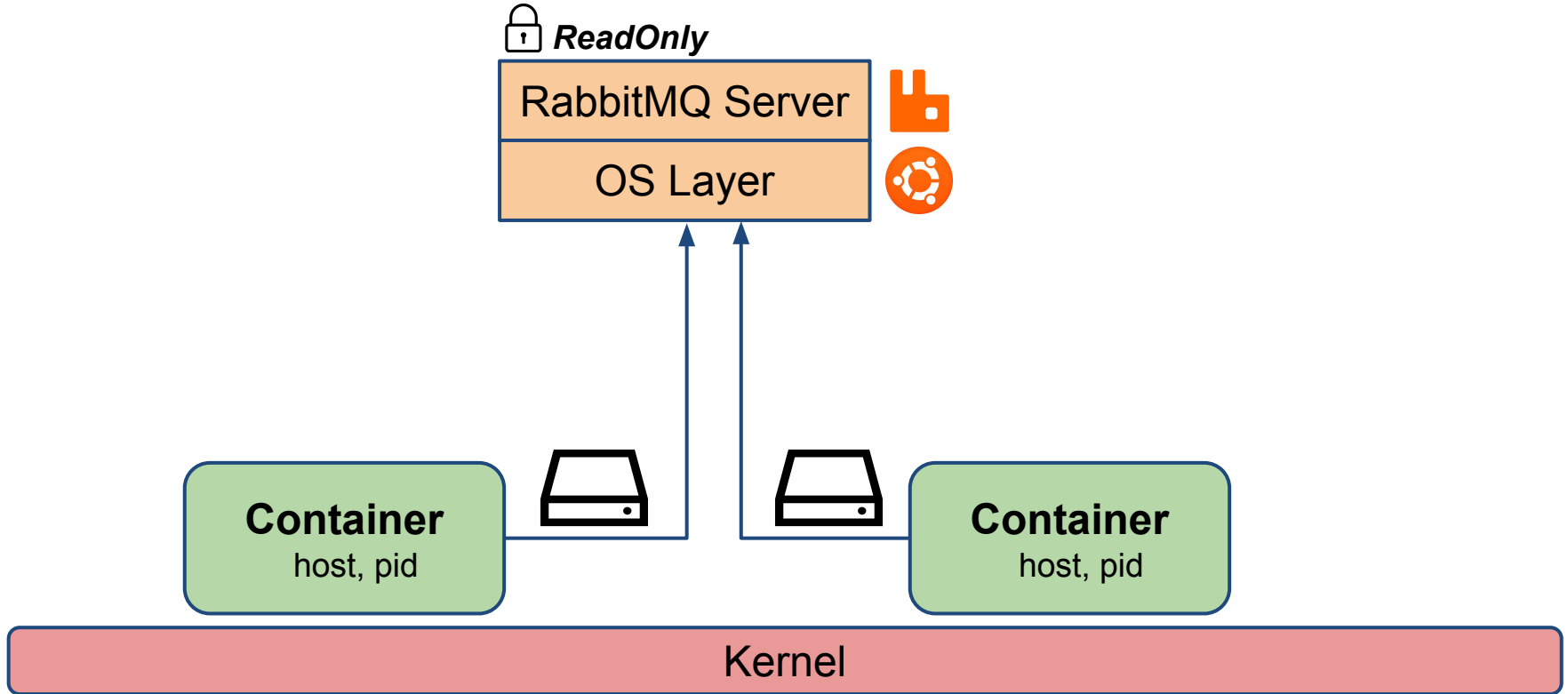
Overlay FileSystem



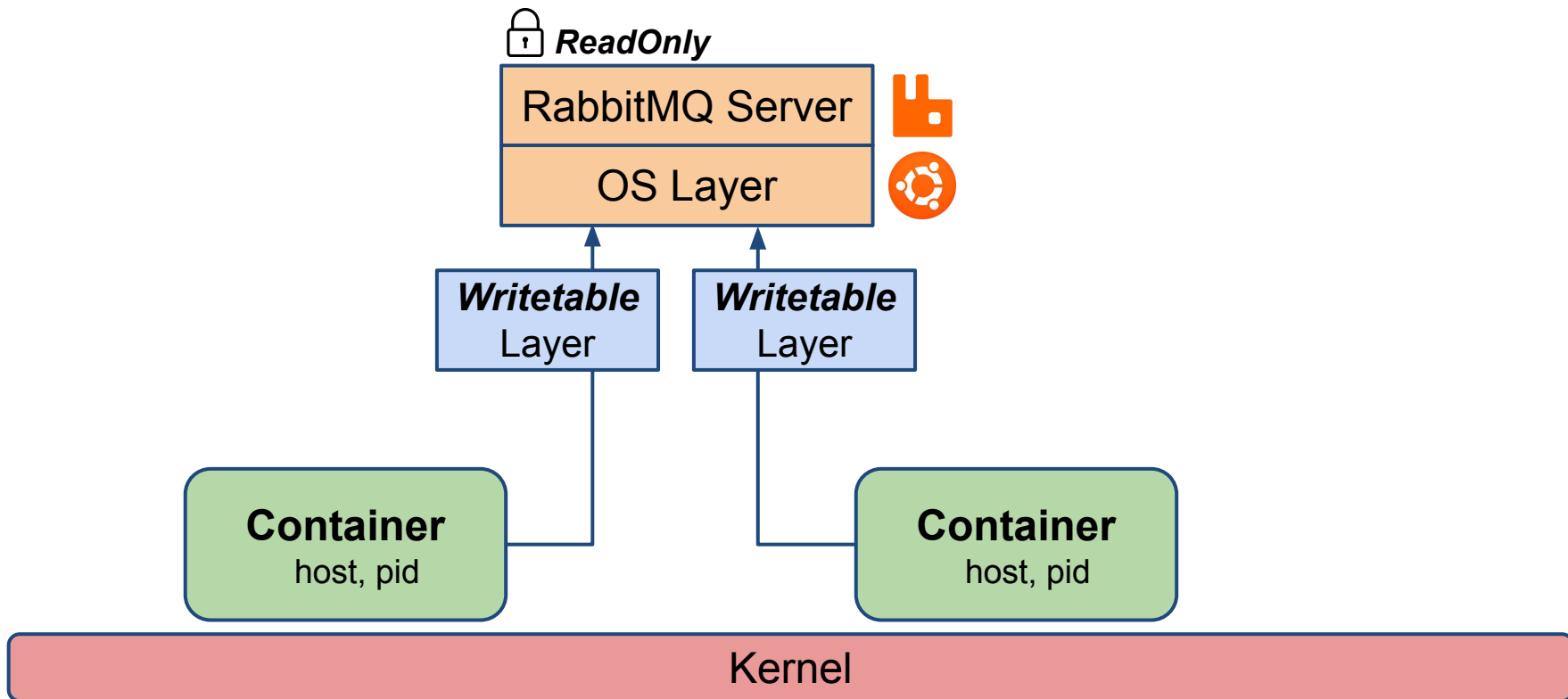
Overlay FileSystem



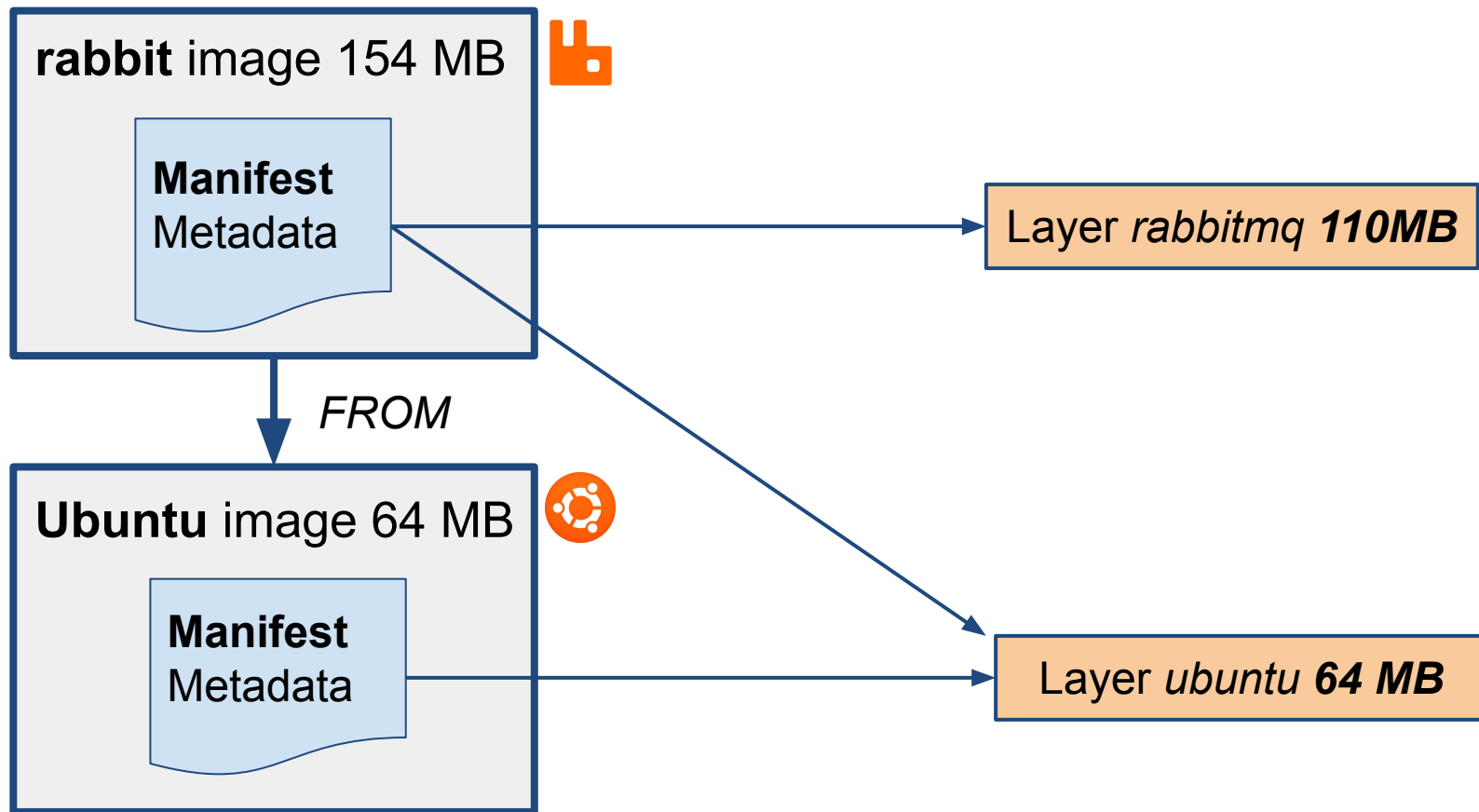
Overlay FileSystem



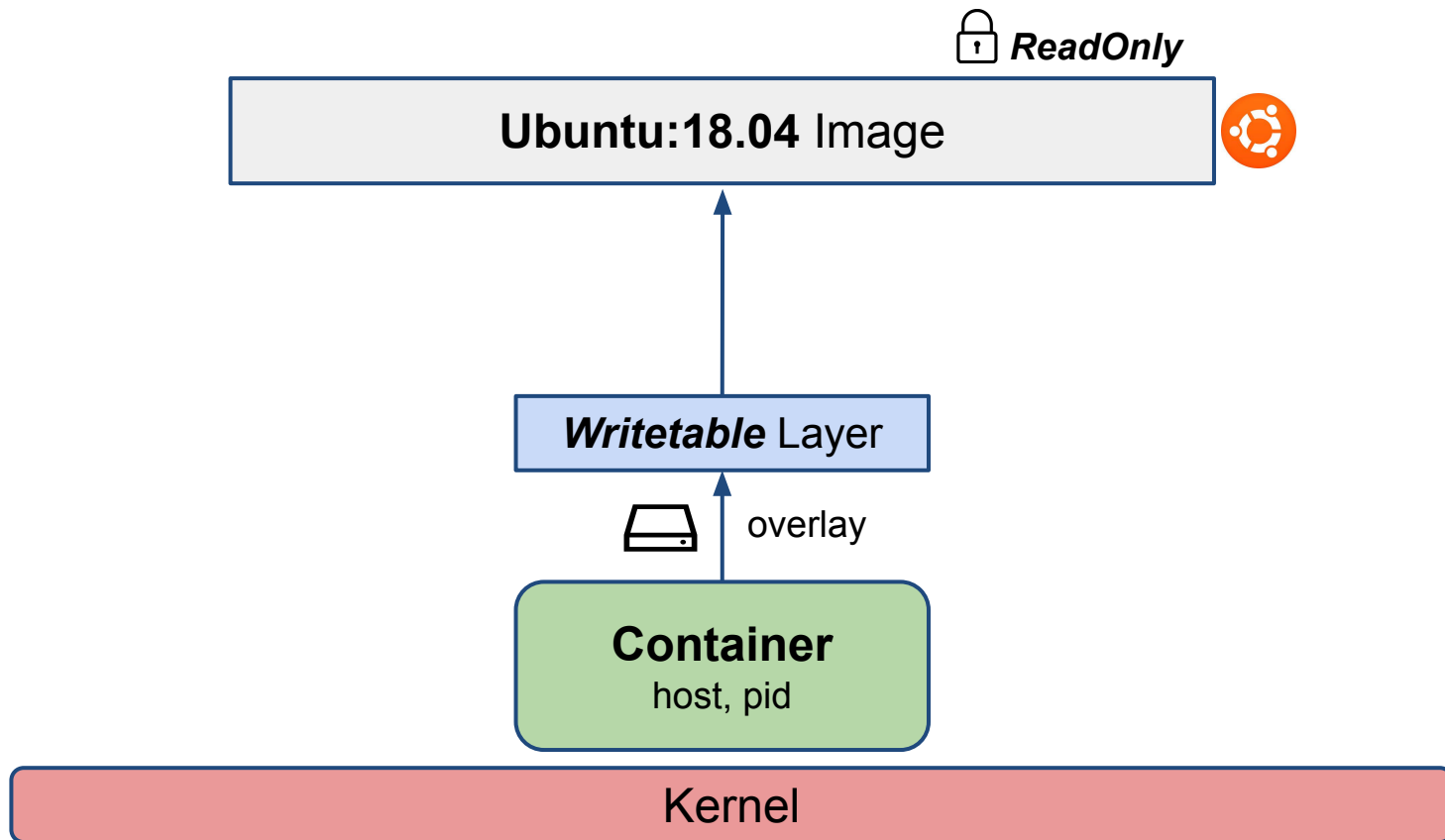
Overlay FileSystem



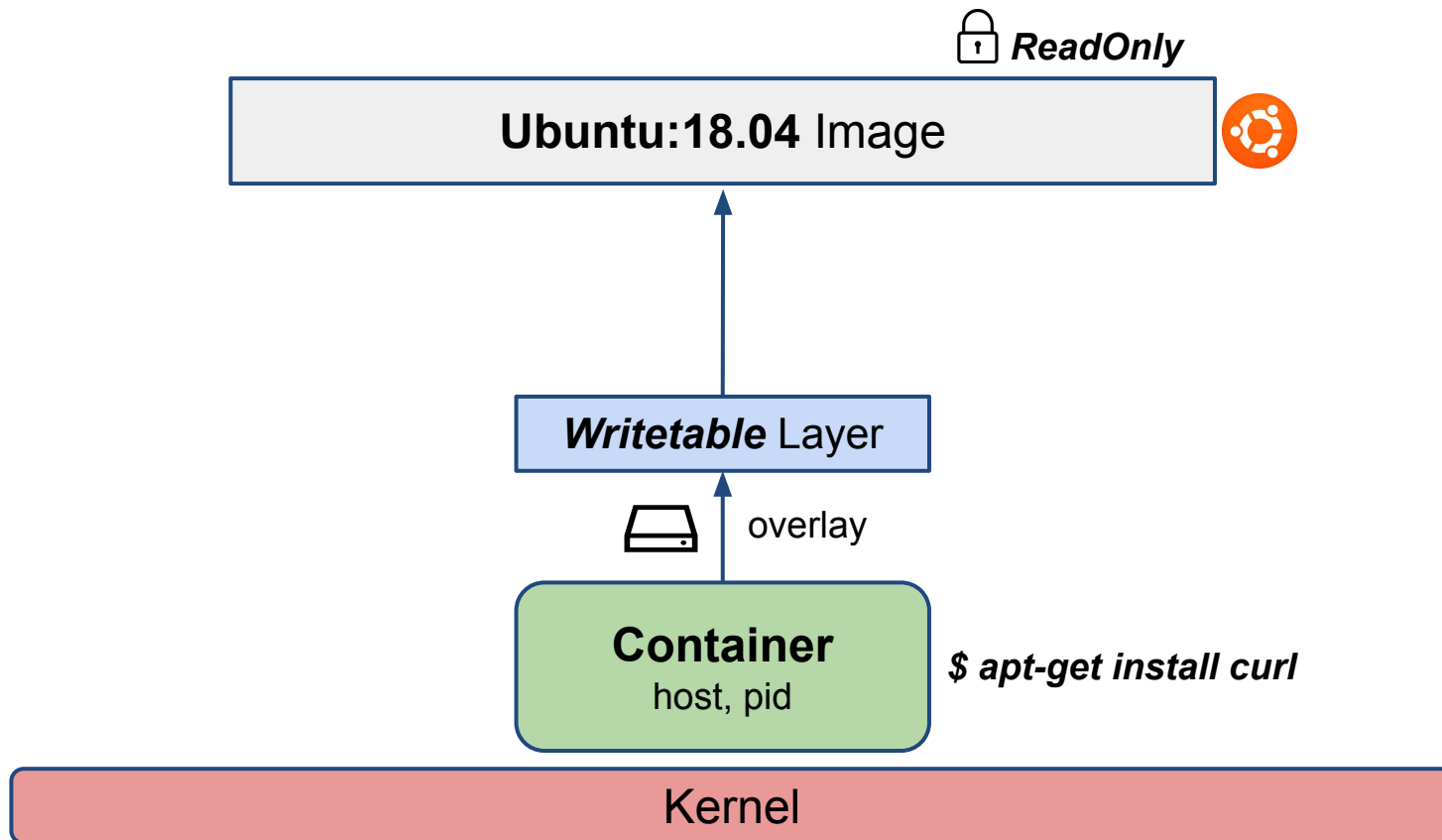
Overlay FileSystem



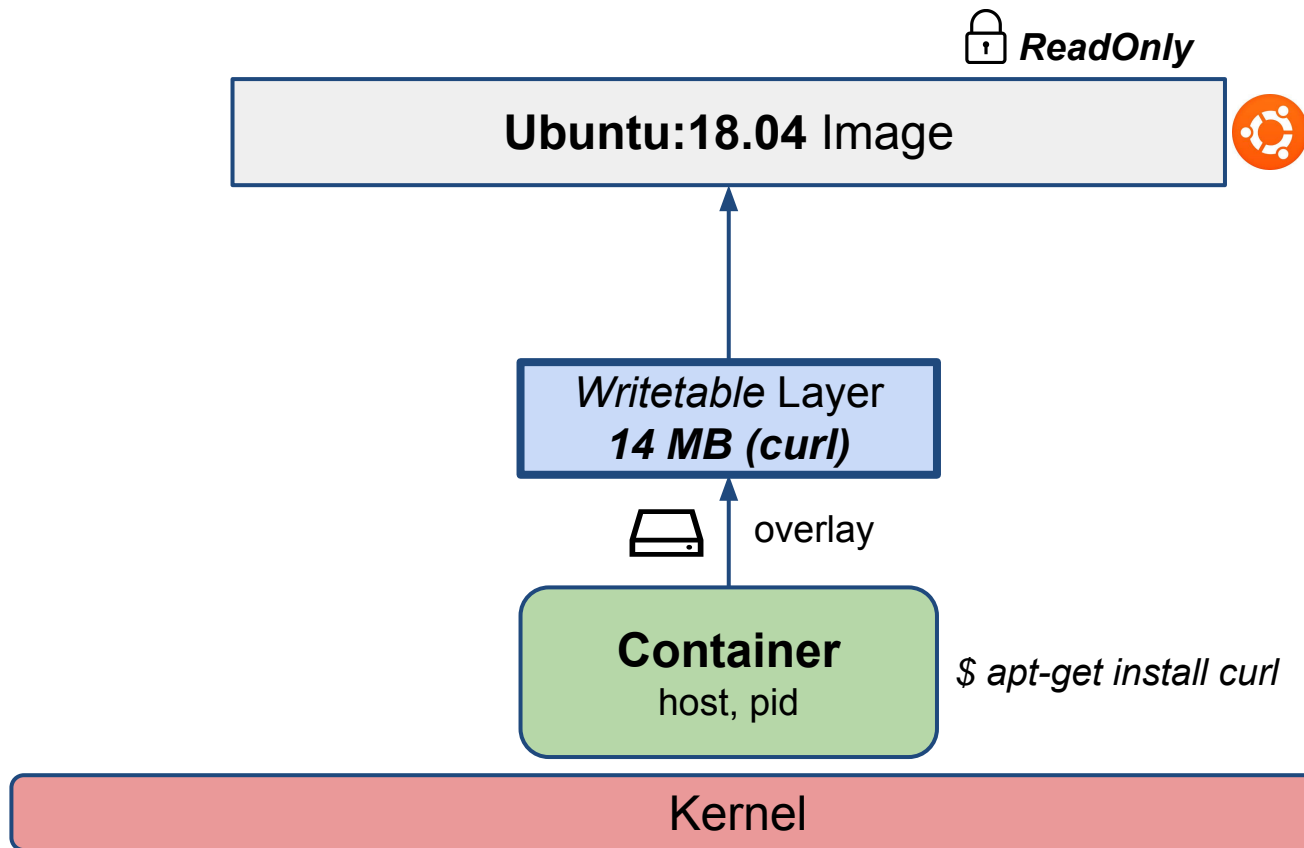
Creating layers and images



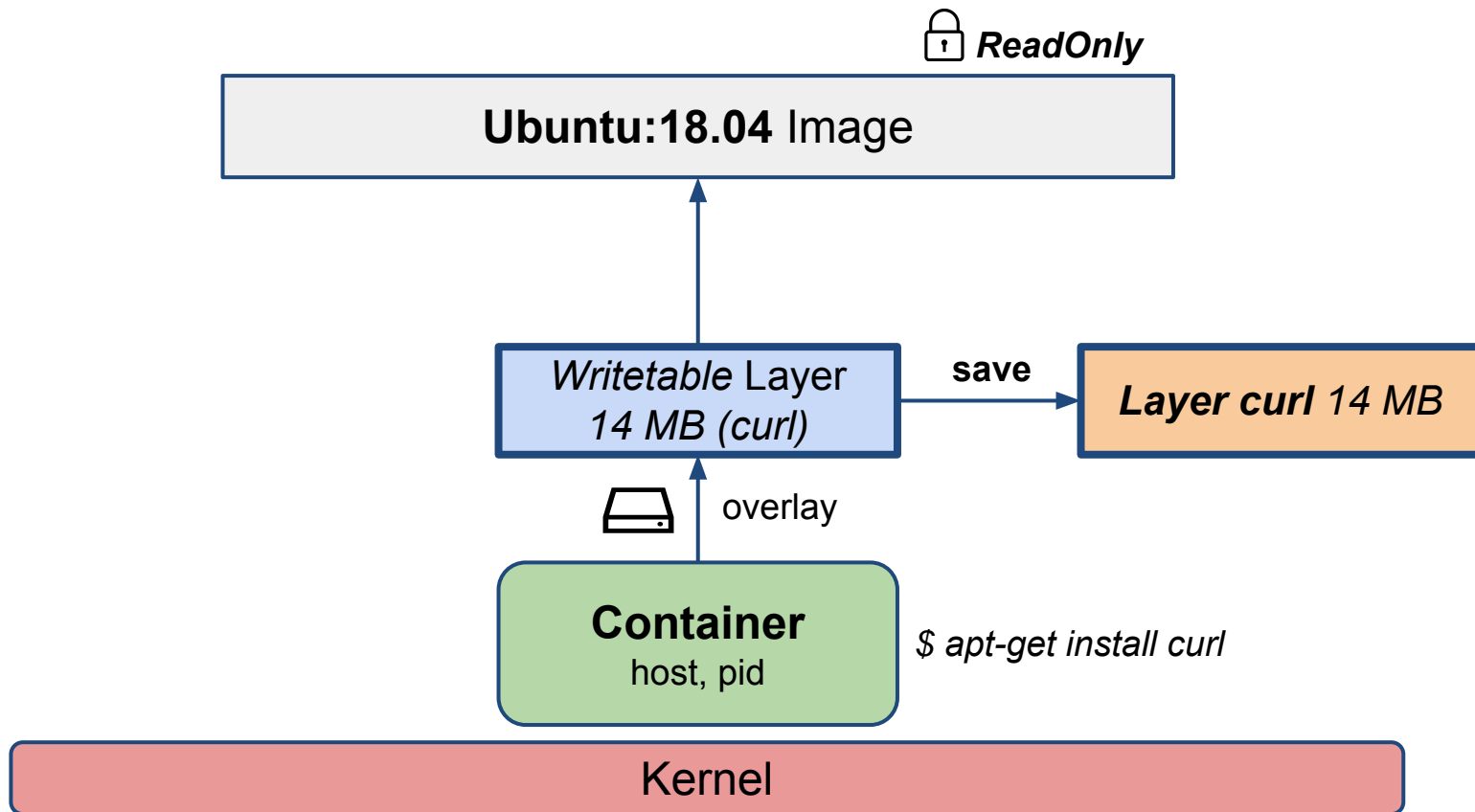
Creating layers and images



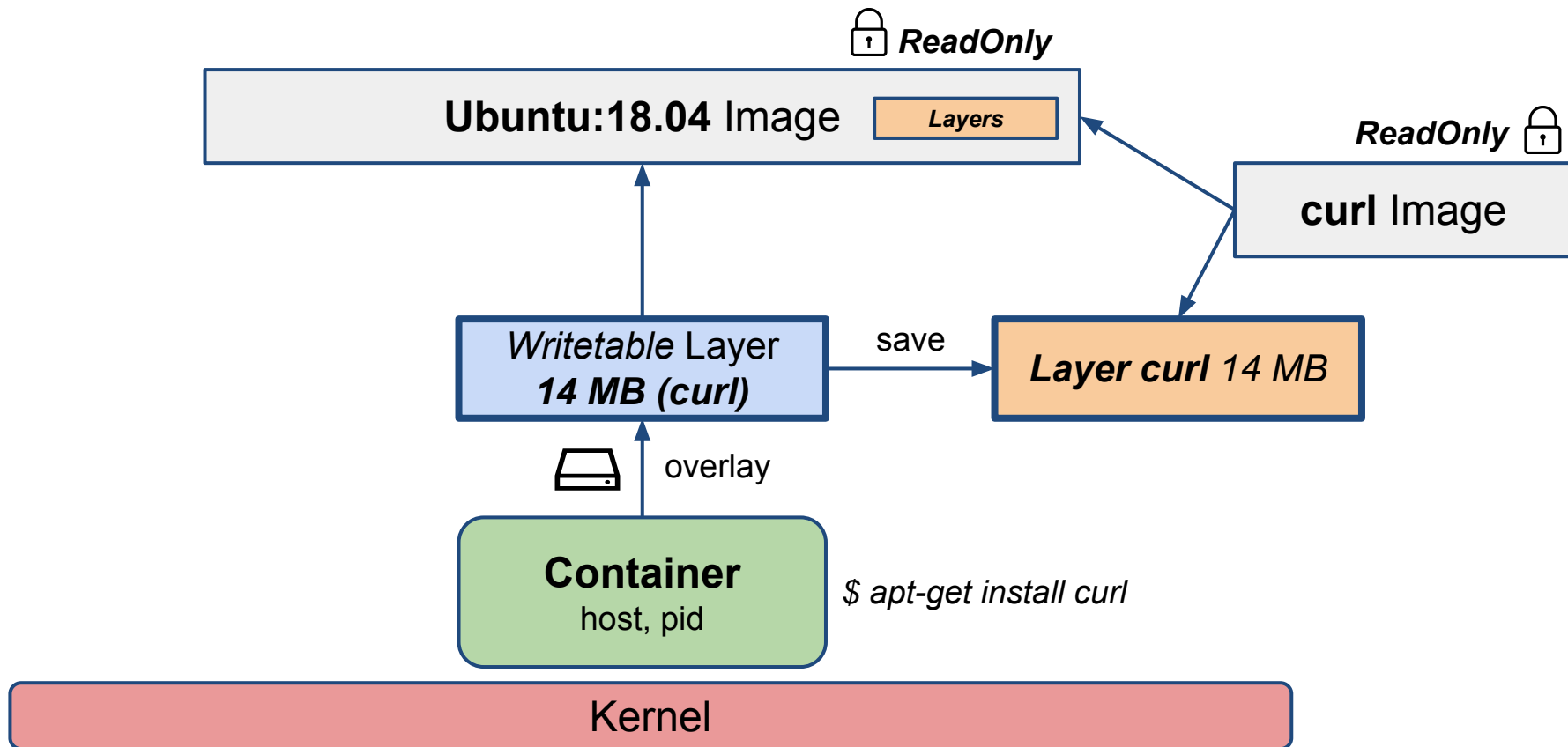
Creating layers and images



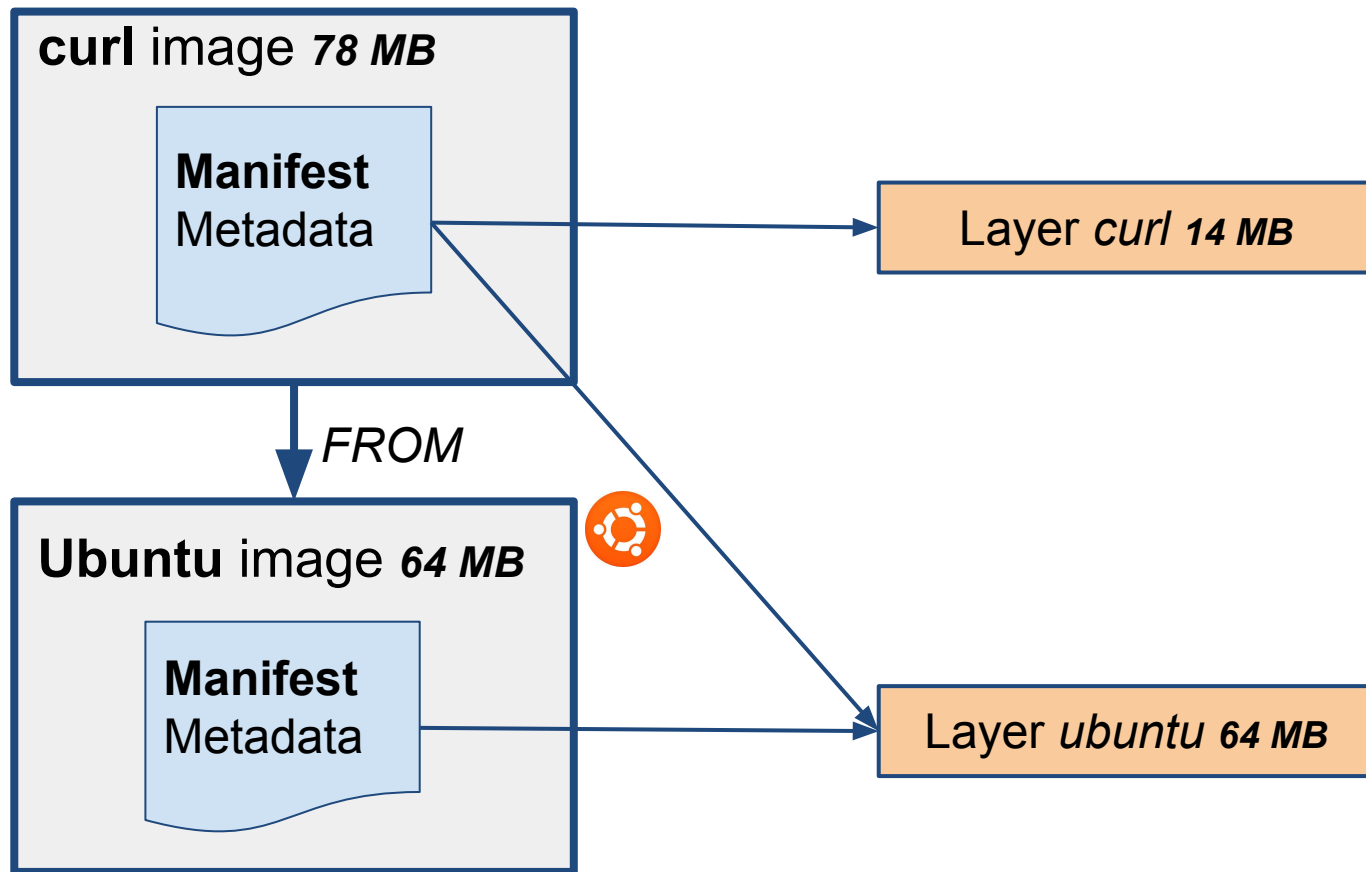
Creating layers and images



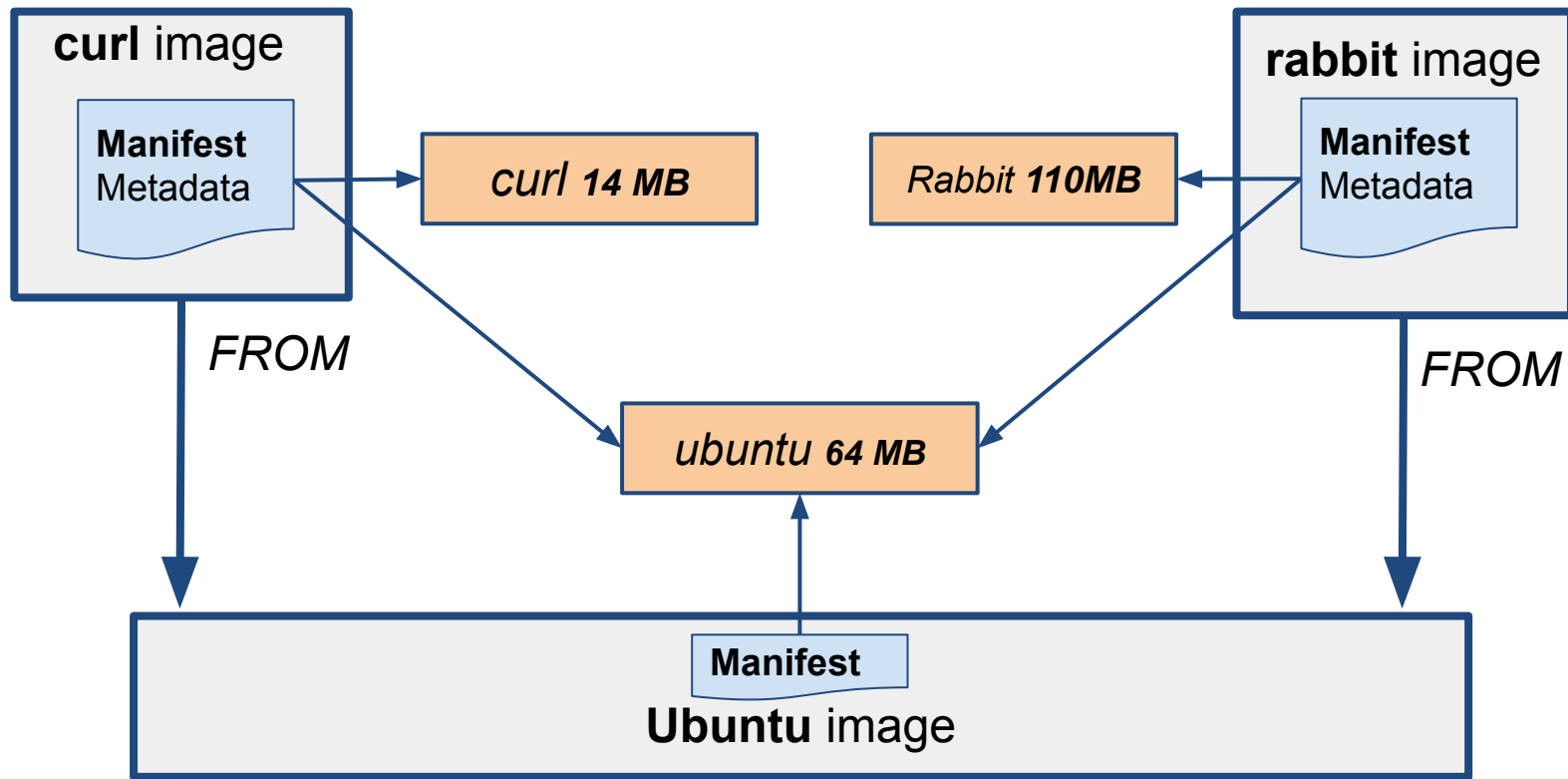
Creating layers and images



Creating layers and images



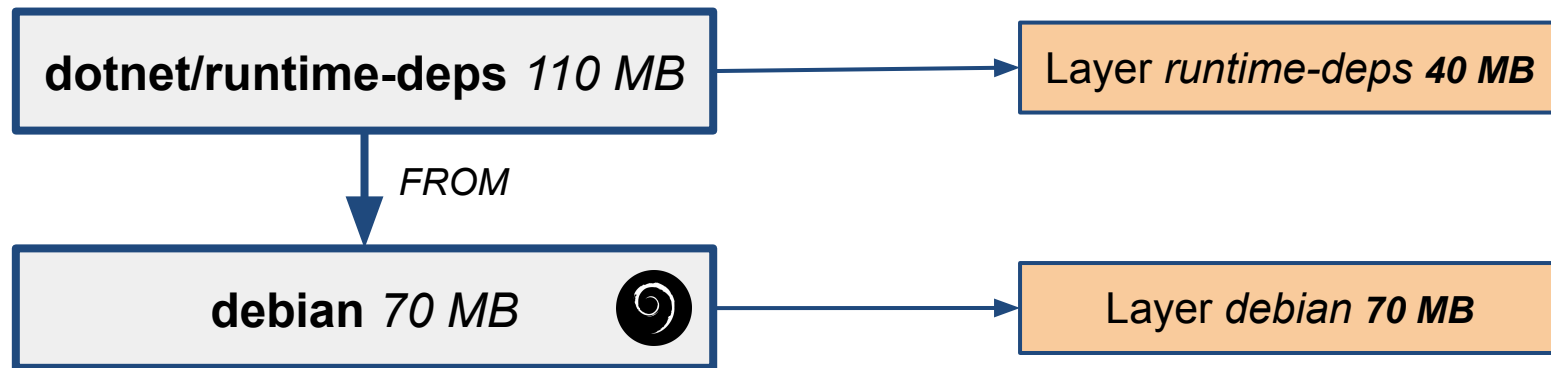
Creating layers and images



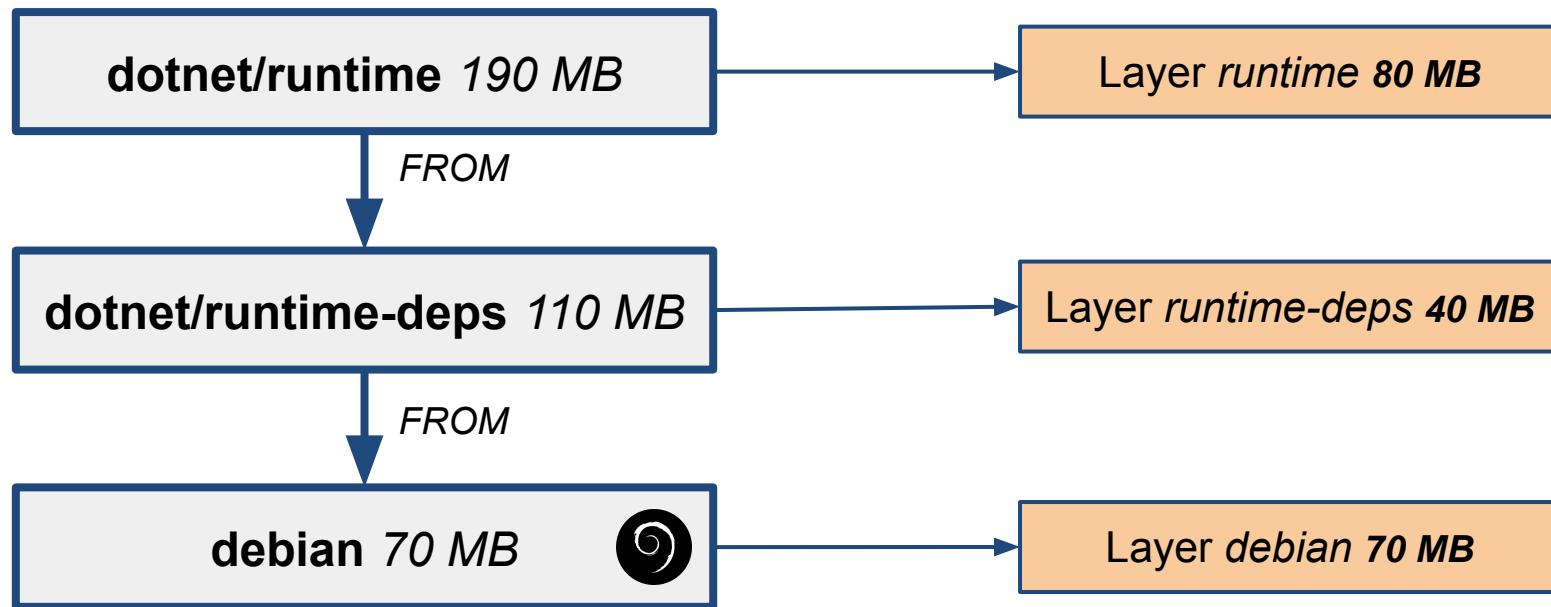
Dockerize your app!



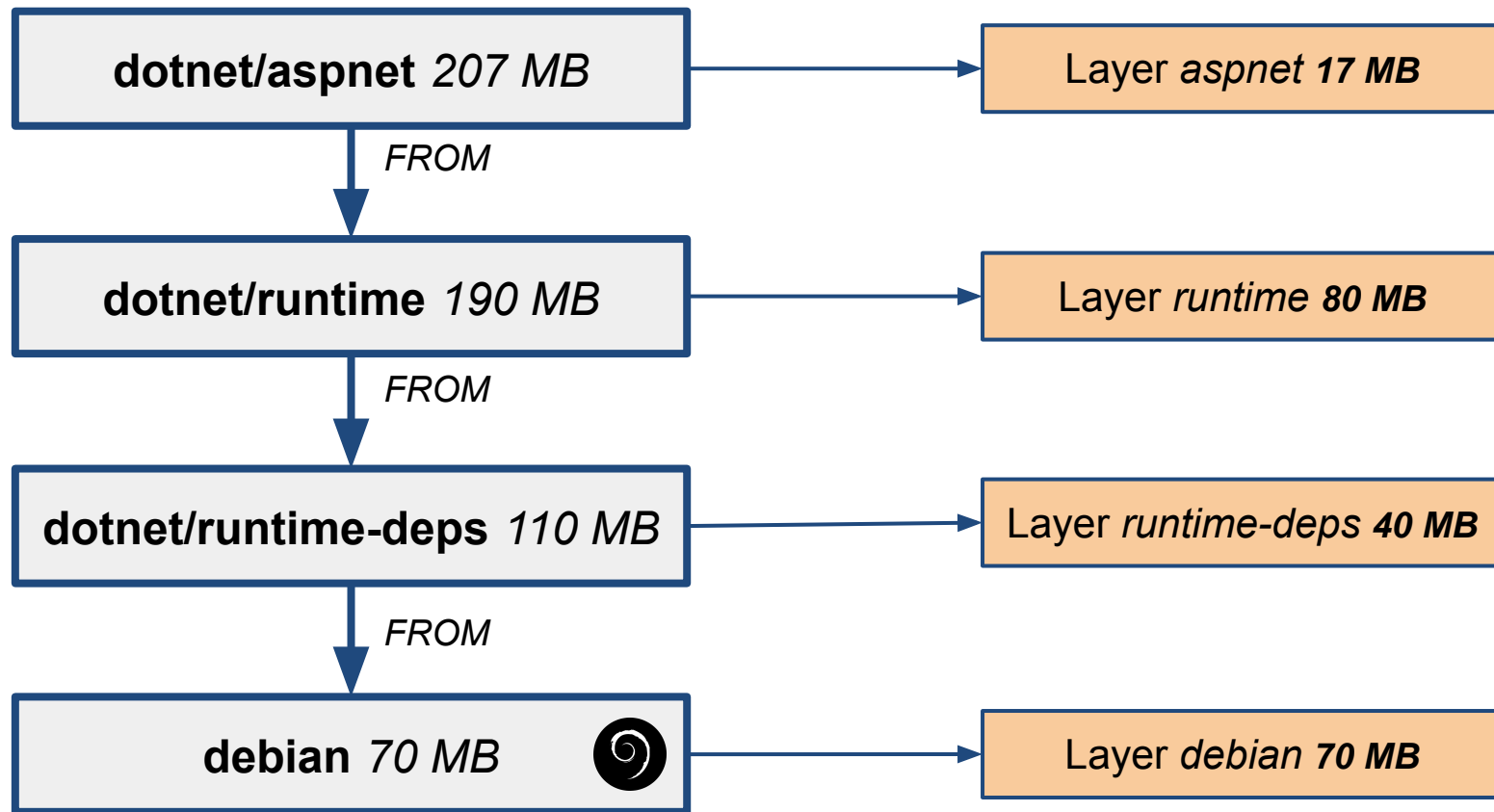
Dockerize your app!



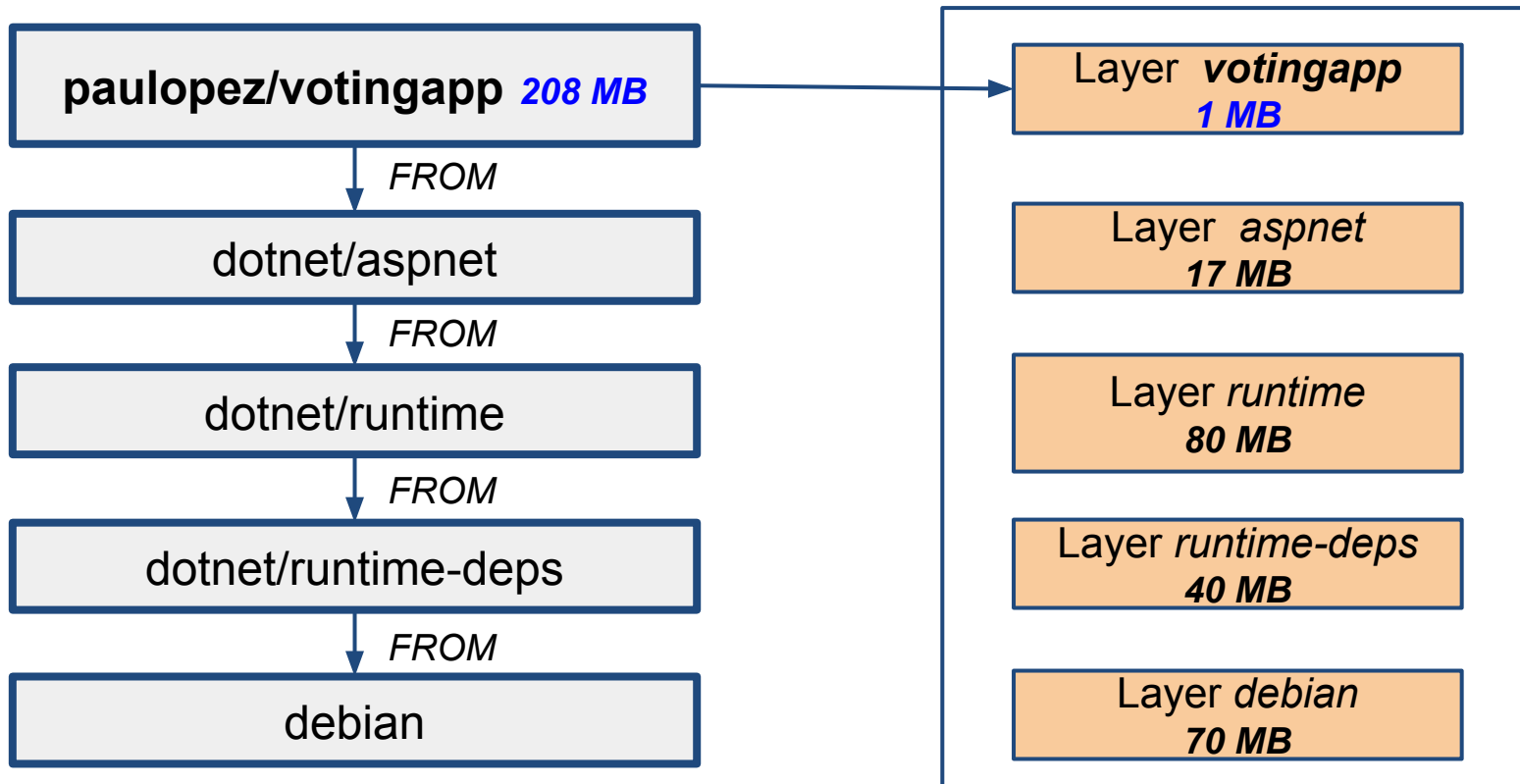
Dockerize your app!



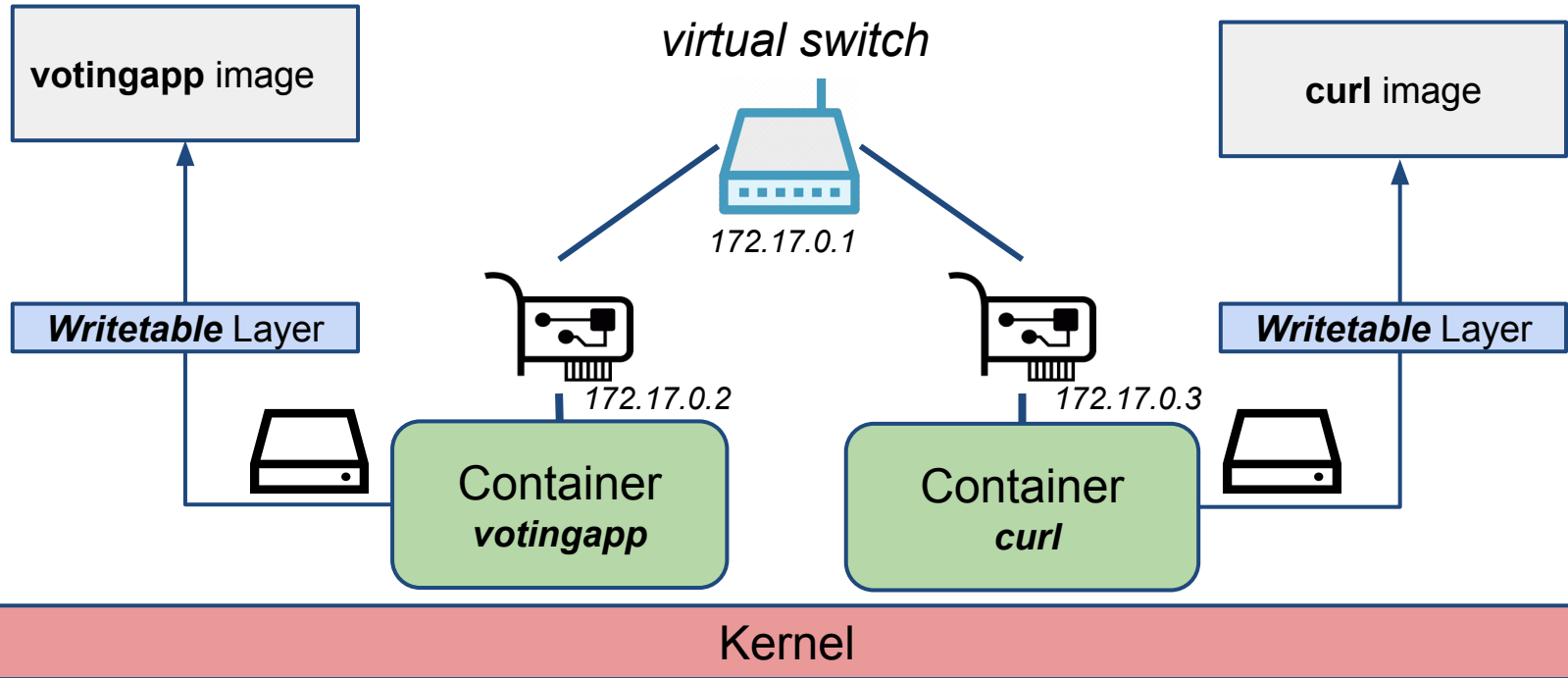
Dockerize your app!



Dockerize your app!



Docker networking



BLOGS

<https://blog.aquasec.com/a-brief-history-of-containers-from-1970s-chroot-to-docker-2016>
<https://www.opcito.com/blogs/from-the-ceos-desk-dockers-moby-and-linuxkit-making-containers-mainstream/>
<https://docs.docker.com/storage/storagedriver/>
<https://www.suse.com/c/demystifying-containers-part-i-kernel-space/>
<https://en.wikipedia.org/wiki/UnionFS>
<https://docs.docker.com/engine/reference/builder/>
https://docs.docker.com/develop/develop-images/dockerfile_best-practices/
<https://learnk8s.io/blog/smaller-docker-images>
<https://www.ardanlabs.com/blog/2020/02/docker-images-part1-reducing-image-size.html>
<https://www.ardanlabs.com/blog/2020/02/docker-images-part2-details-specific-to-different-languages.html>
<https://github.com/opencontainers>

TALKS

<https://www.youtube.com/watch?v=sK5i-N34im8>
https://www.youtube.com/watch?v=6v_BDHIgOY8
<https://www.youtube.com/watch?v=rflmeakbeH8>
<https://www.youtube.com/watch?v=8iWb71ZOZPc>
<https://www.youtube.com/watch?v=doUktZlcXF0>

COURSES

<https://app.pluralsight.com/library/courses/docker-deep-dive/table-of-contents>
<https://app.pluralsight.com/library/courses/docker-deep-dive-update/table-of-contents>