

Working with Containers



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Overview/ Summary



Containers: Big Picture

Containers: Hands-on Deep Dive

Managing Containers with Docker Desktop

Recap



Up Next:

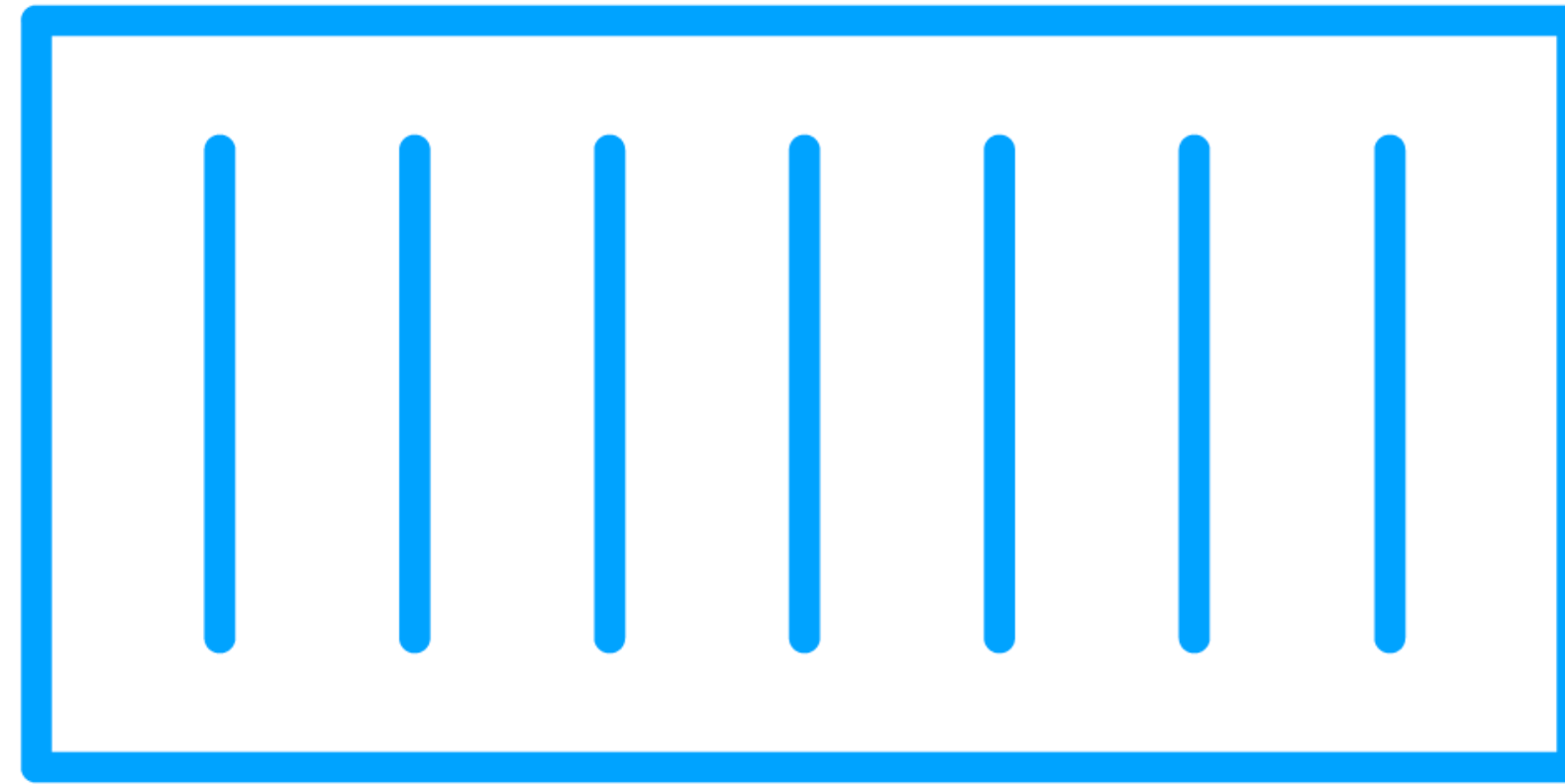
Containers: Big Picture



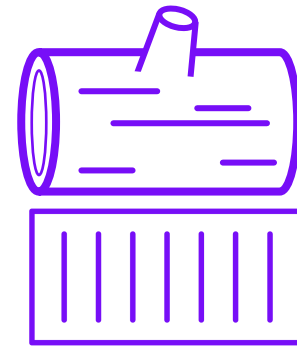
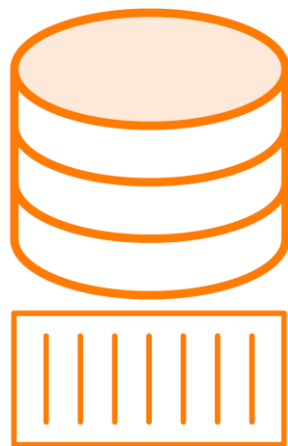
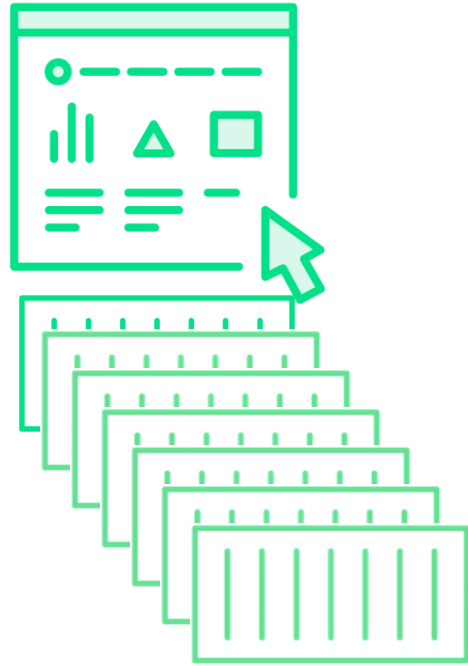
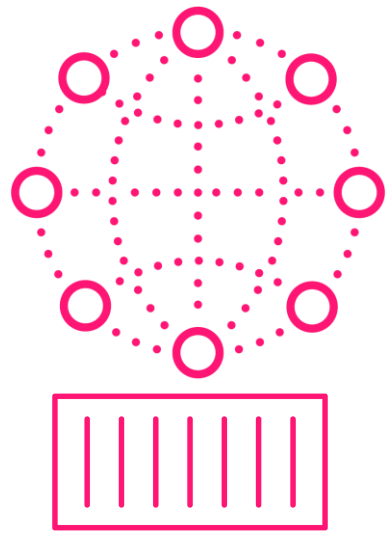
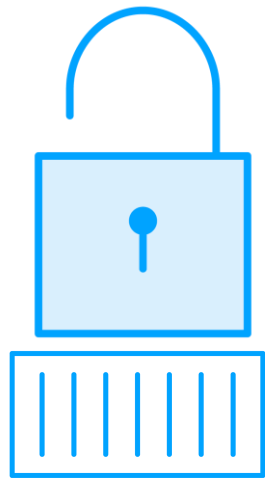


Containers: Big Picture



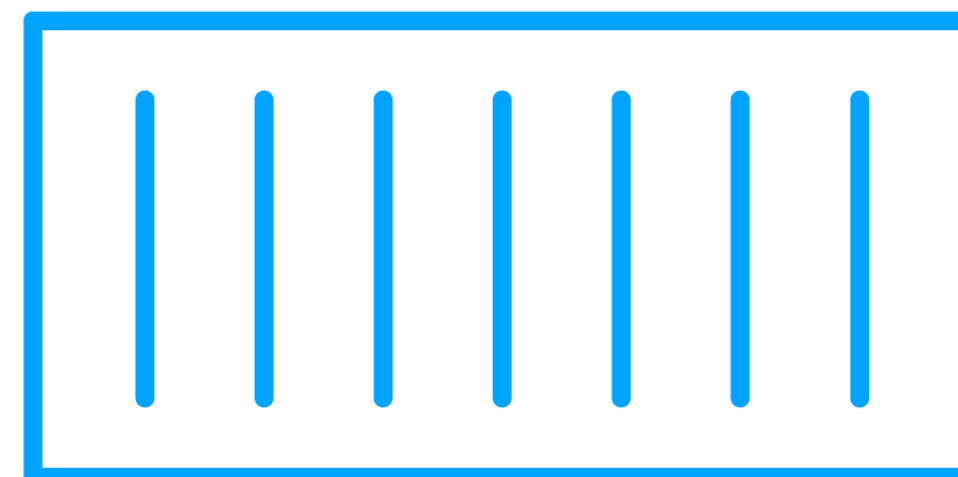


Atomic unit of scheduling





Build time

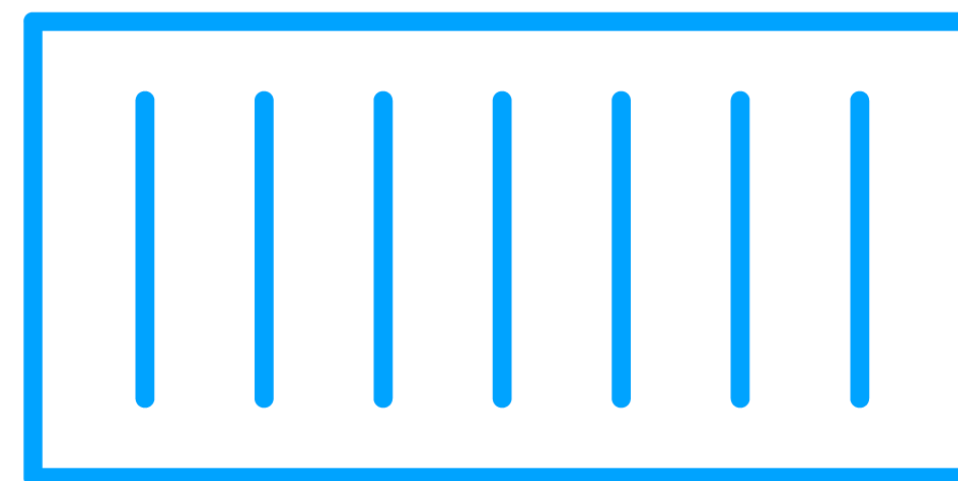
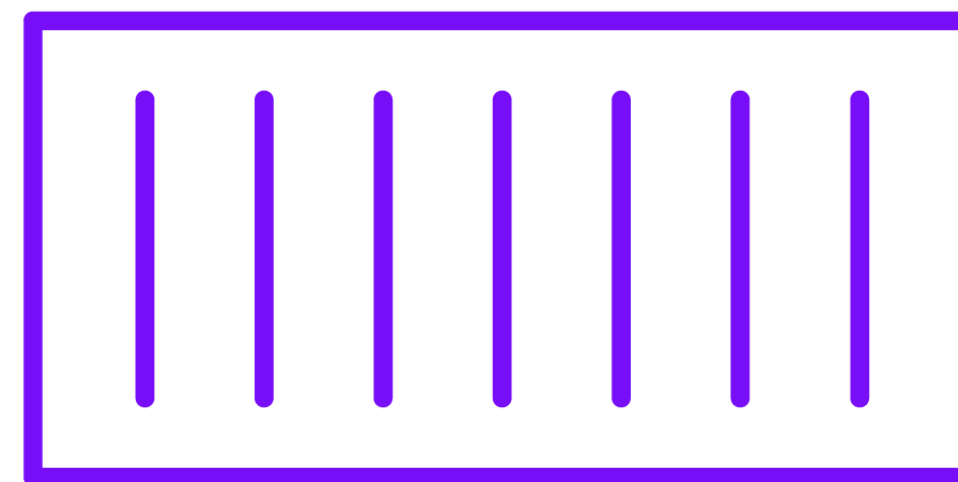
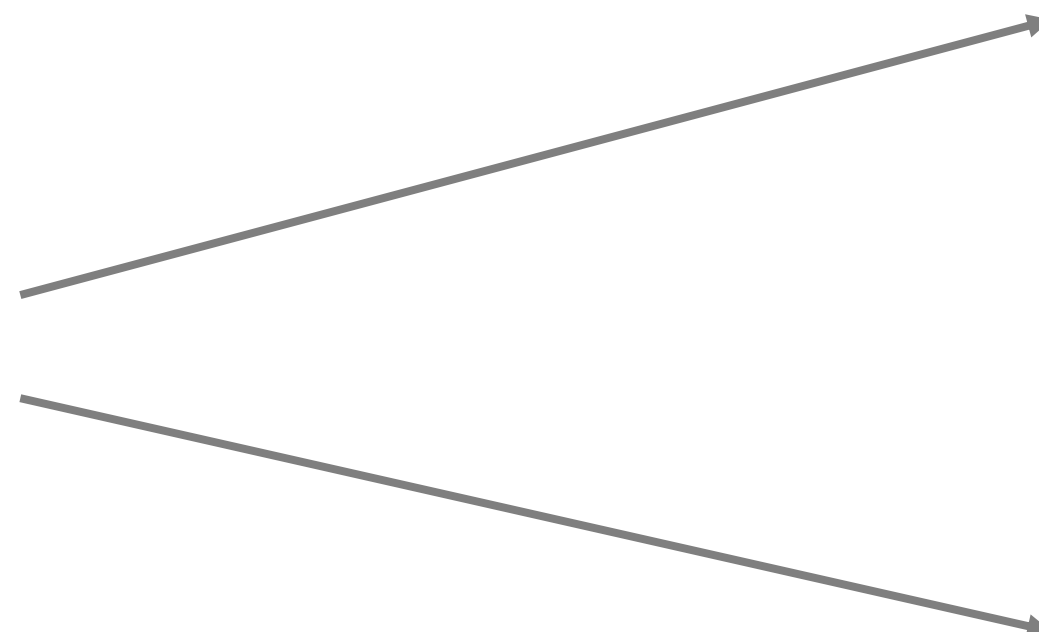


Runtime



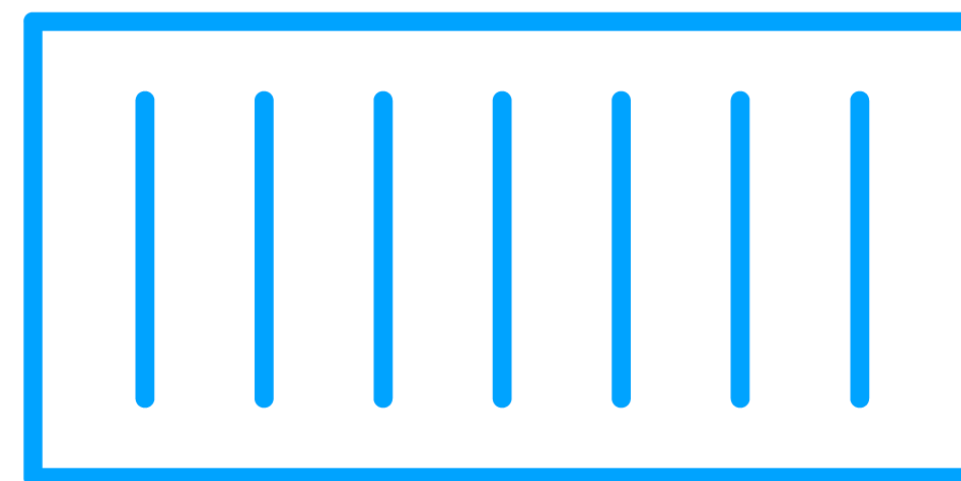
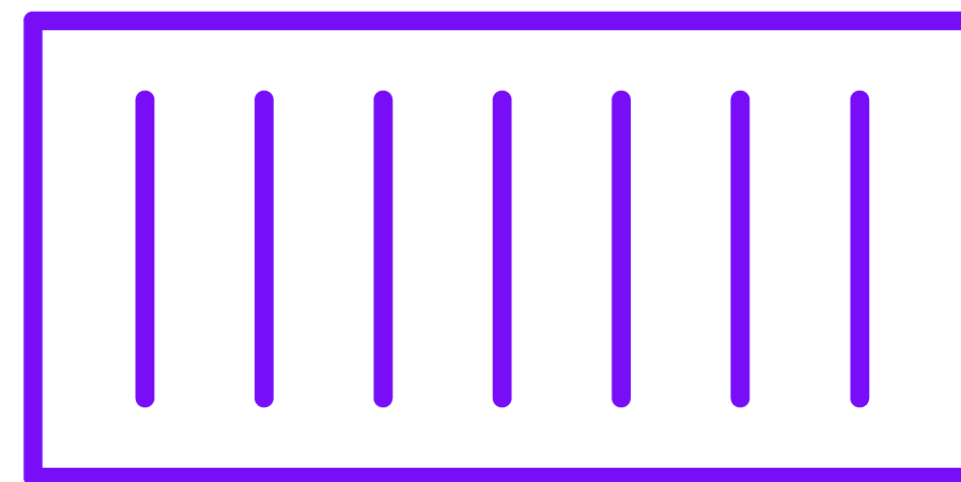
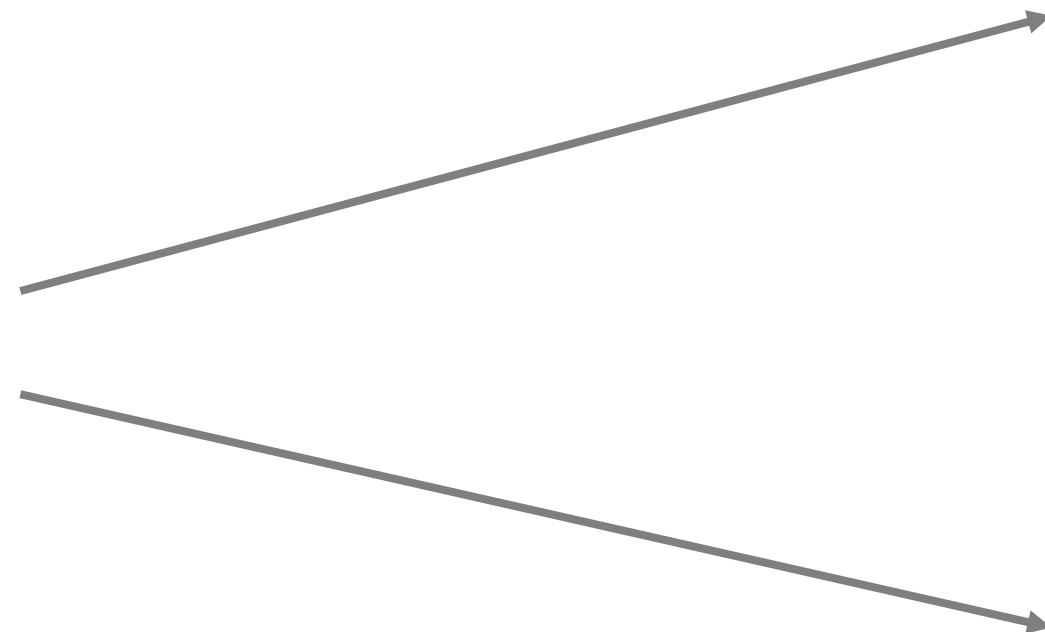
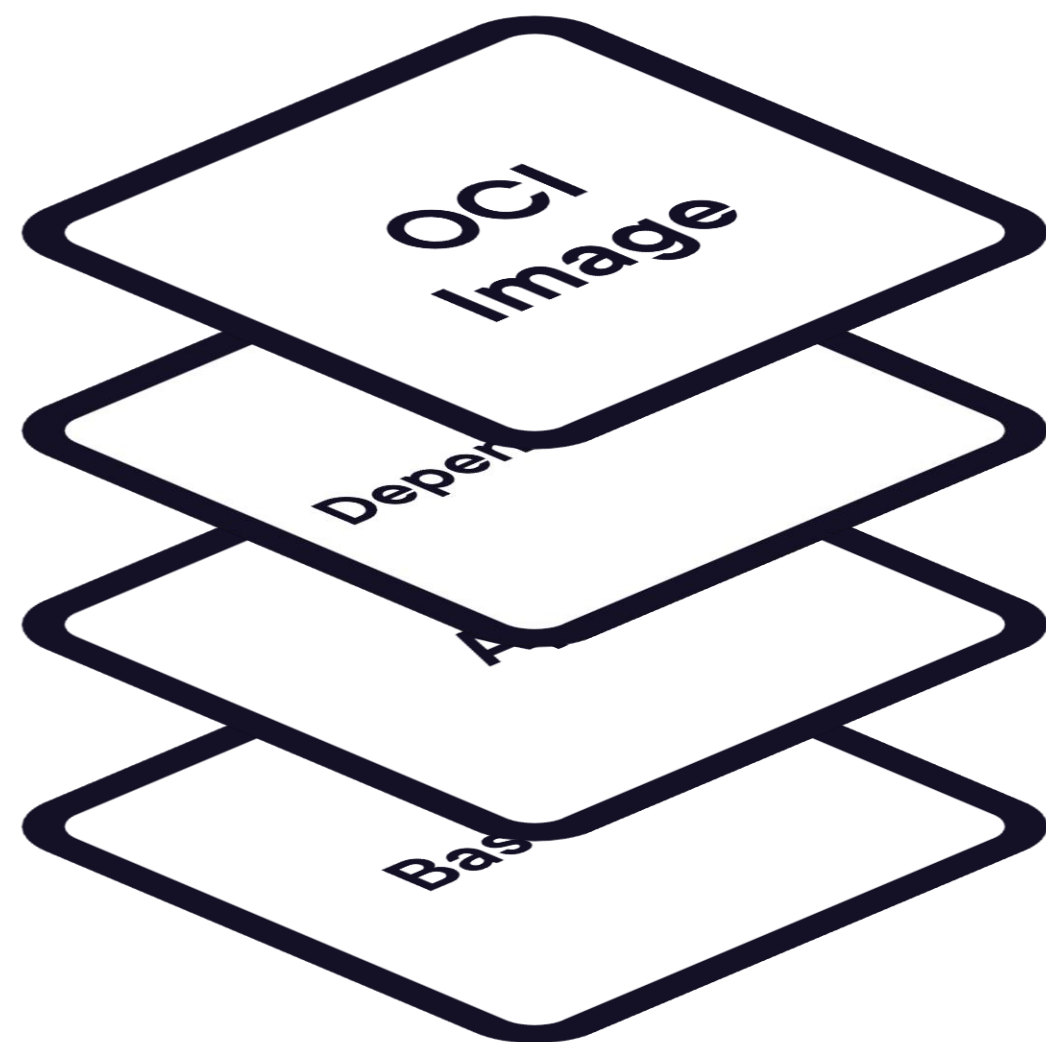


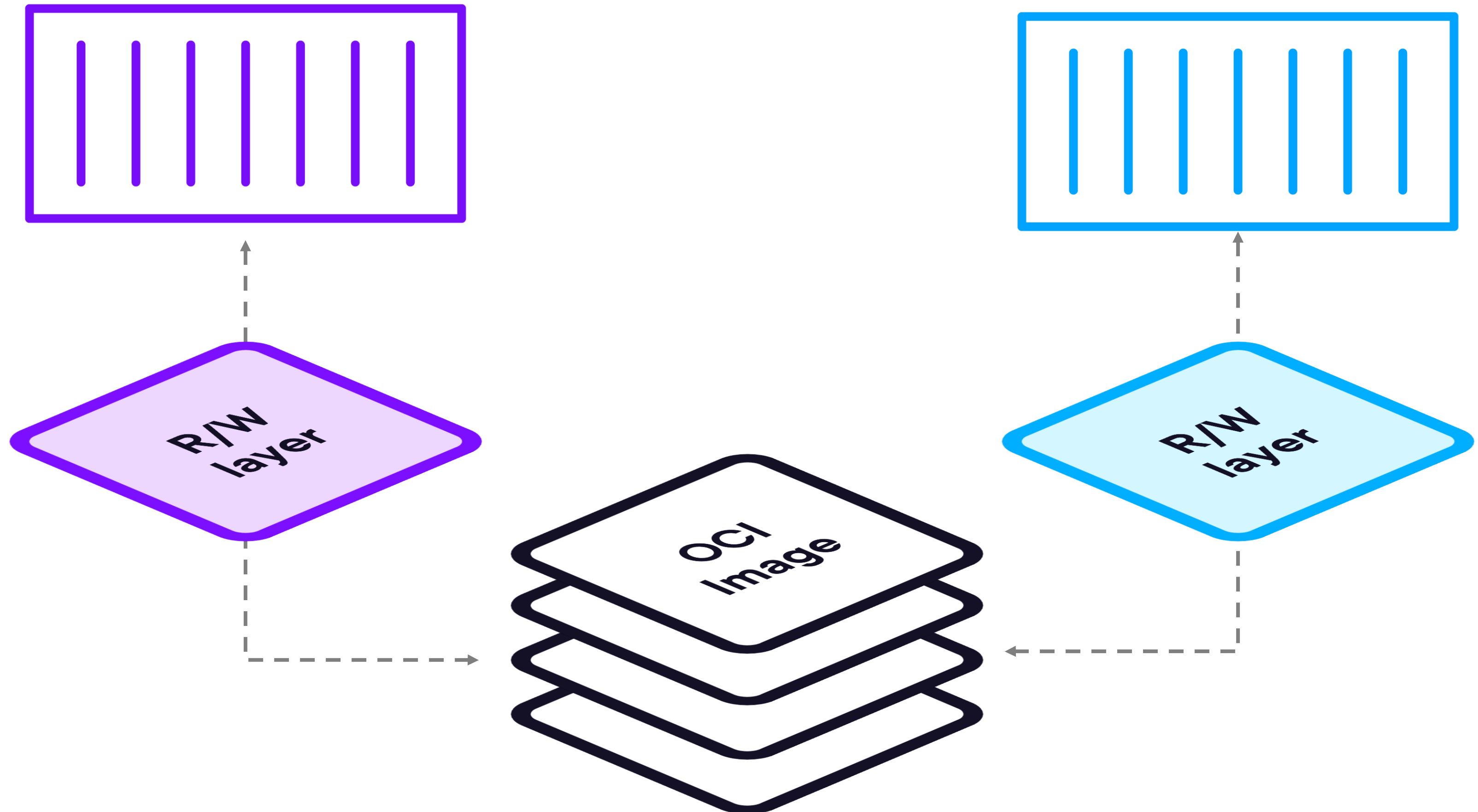
Build time

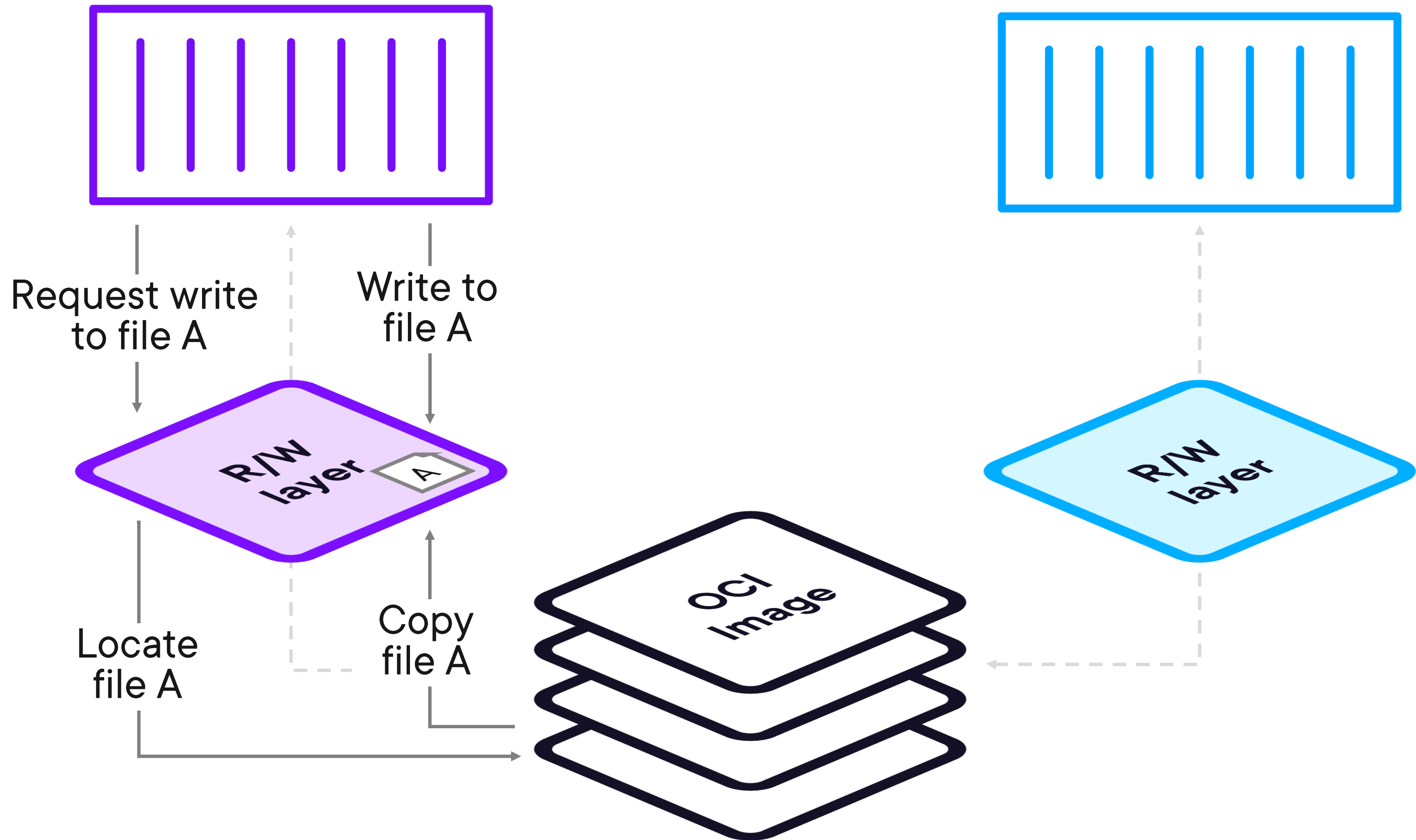


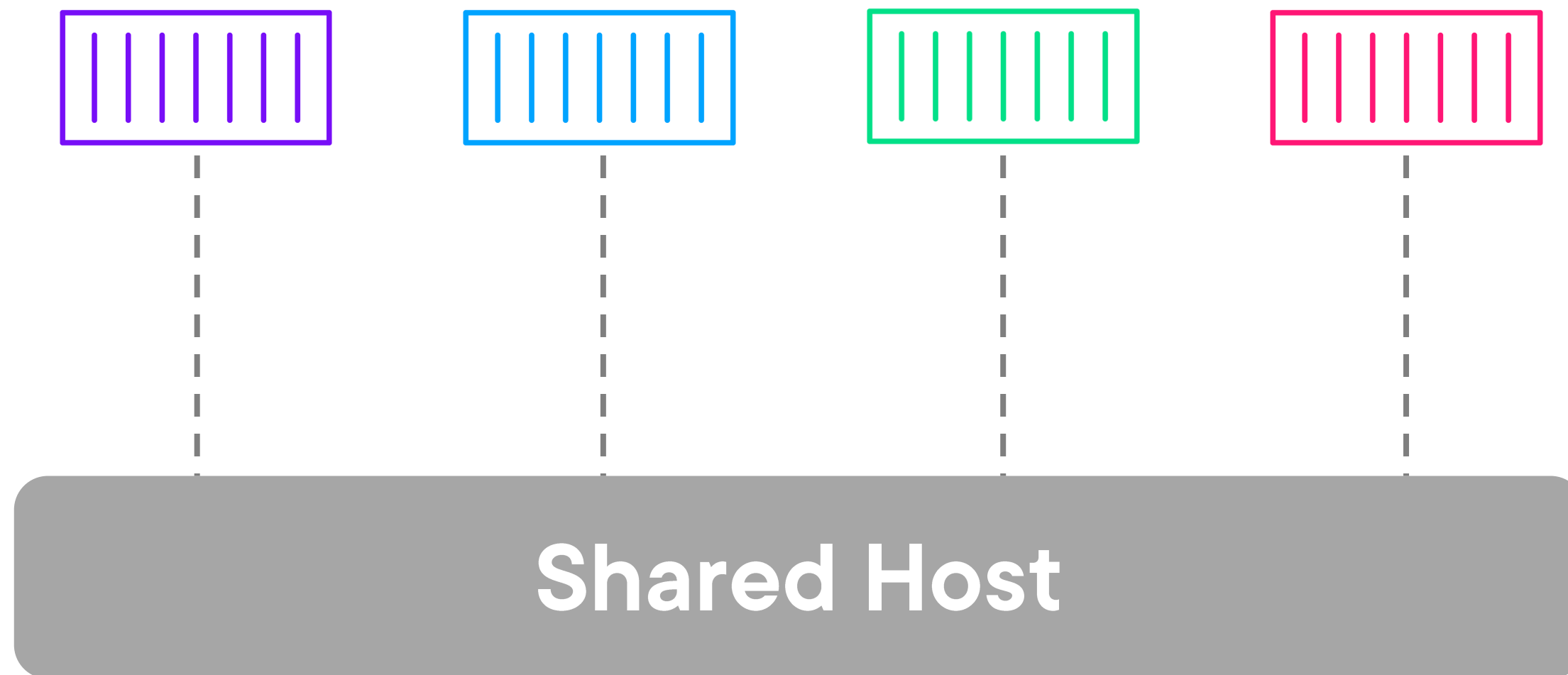
Runtime

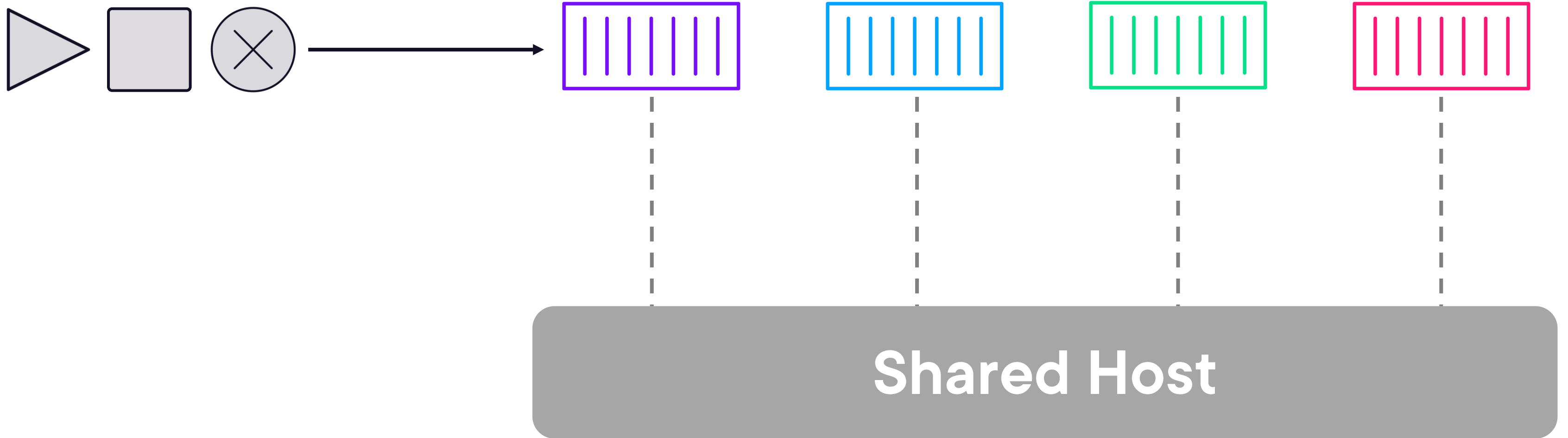


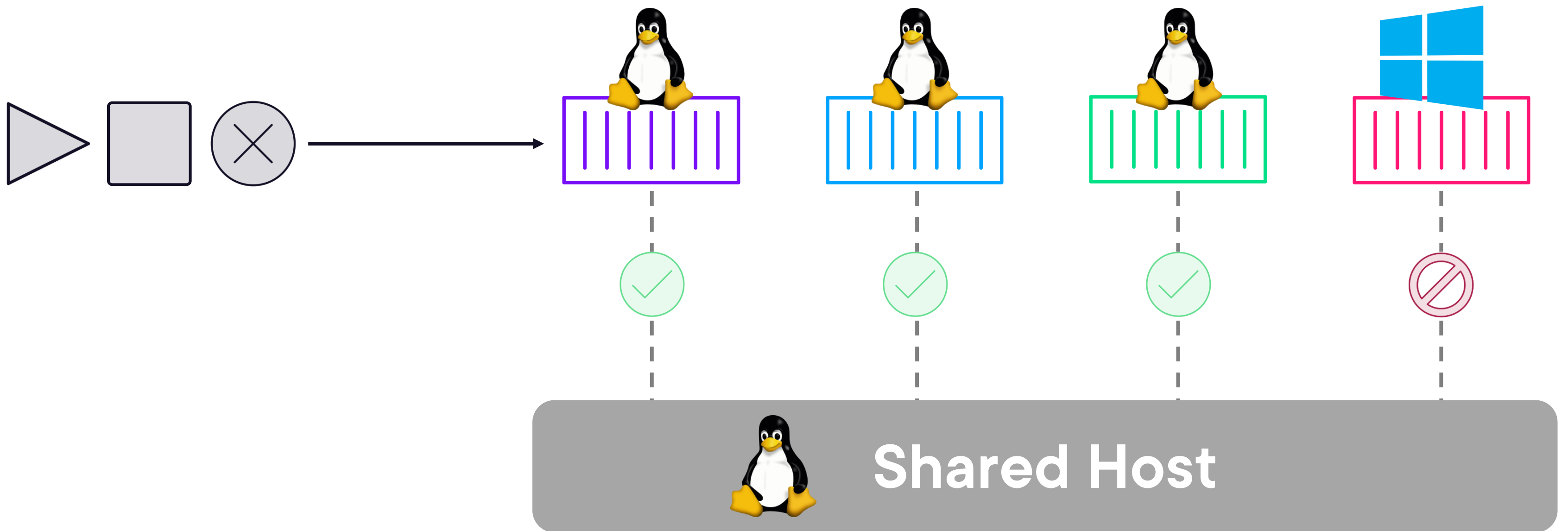


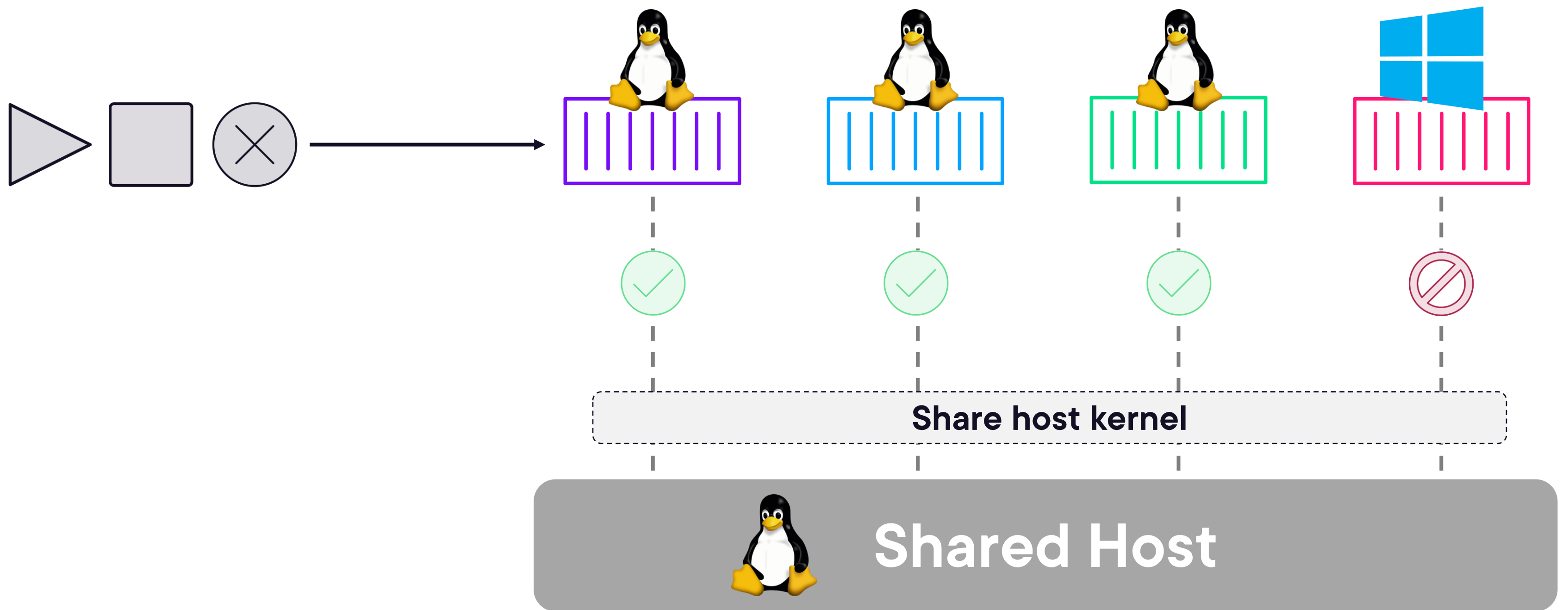


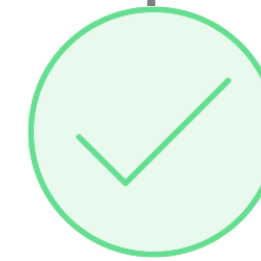
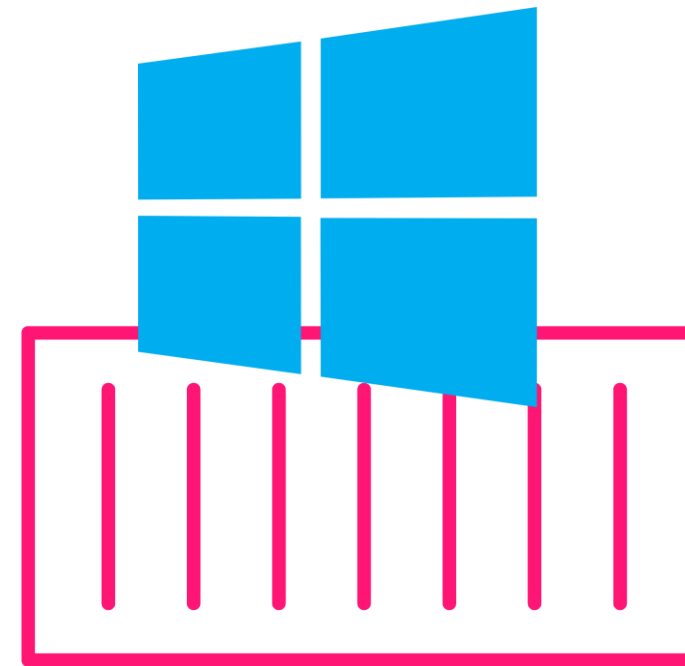
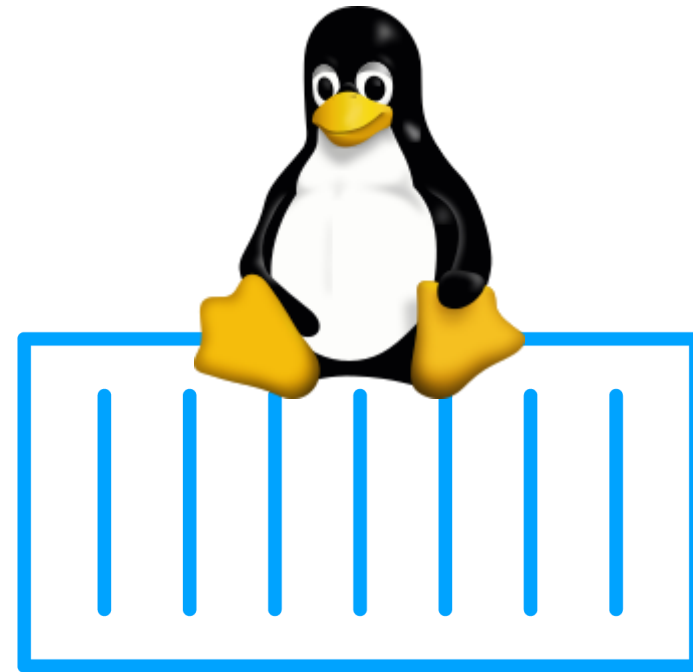












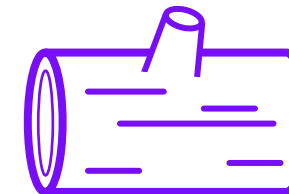
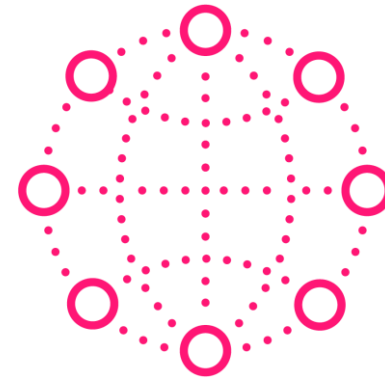
Windows & WSL 2

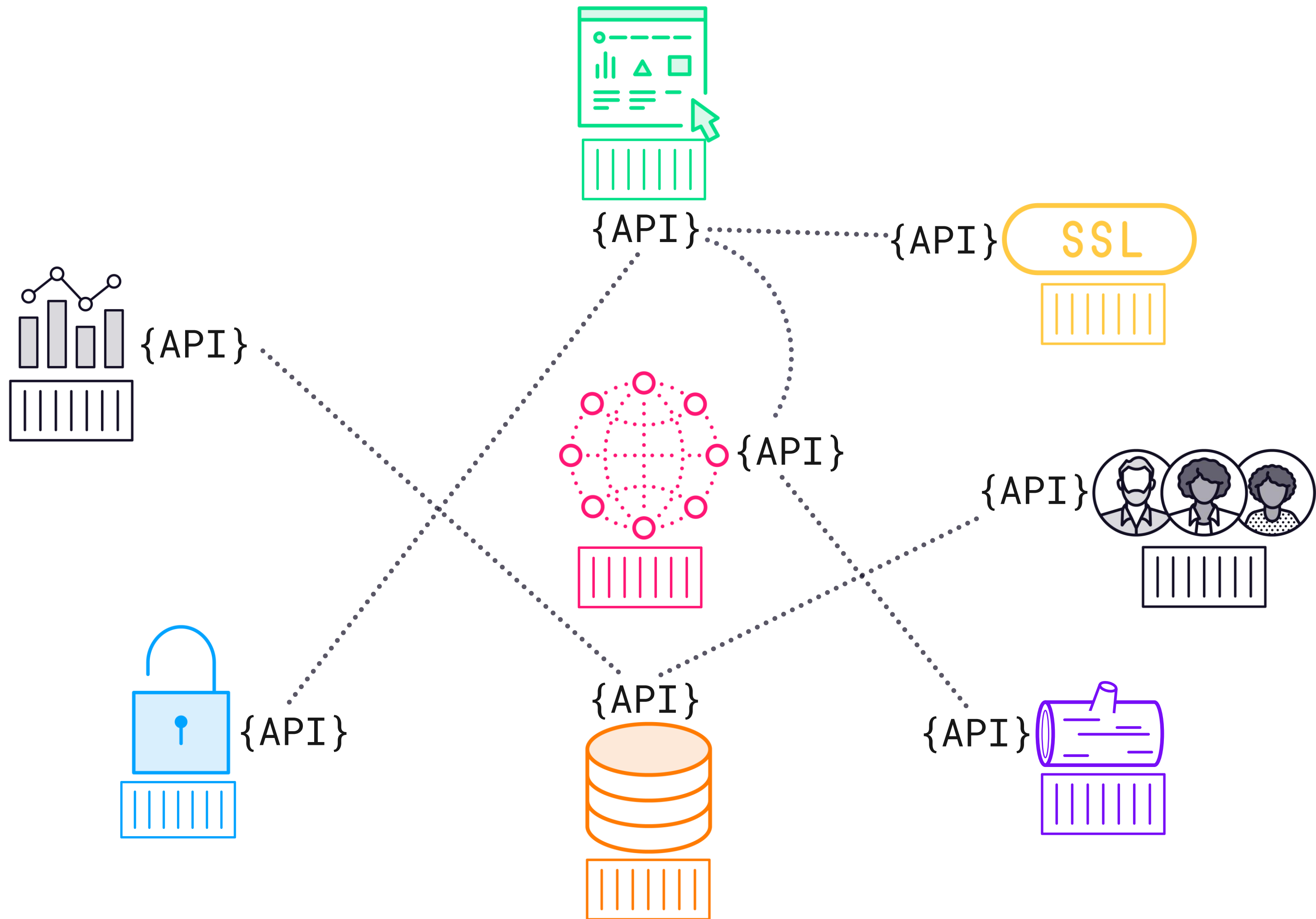


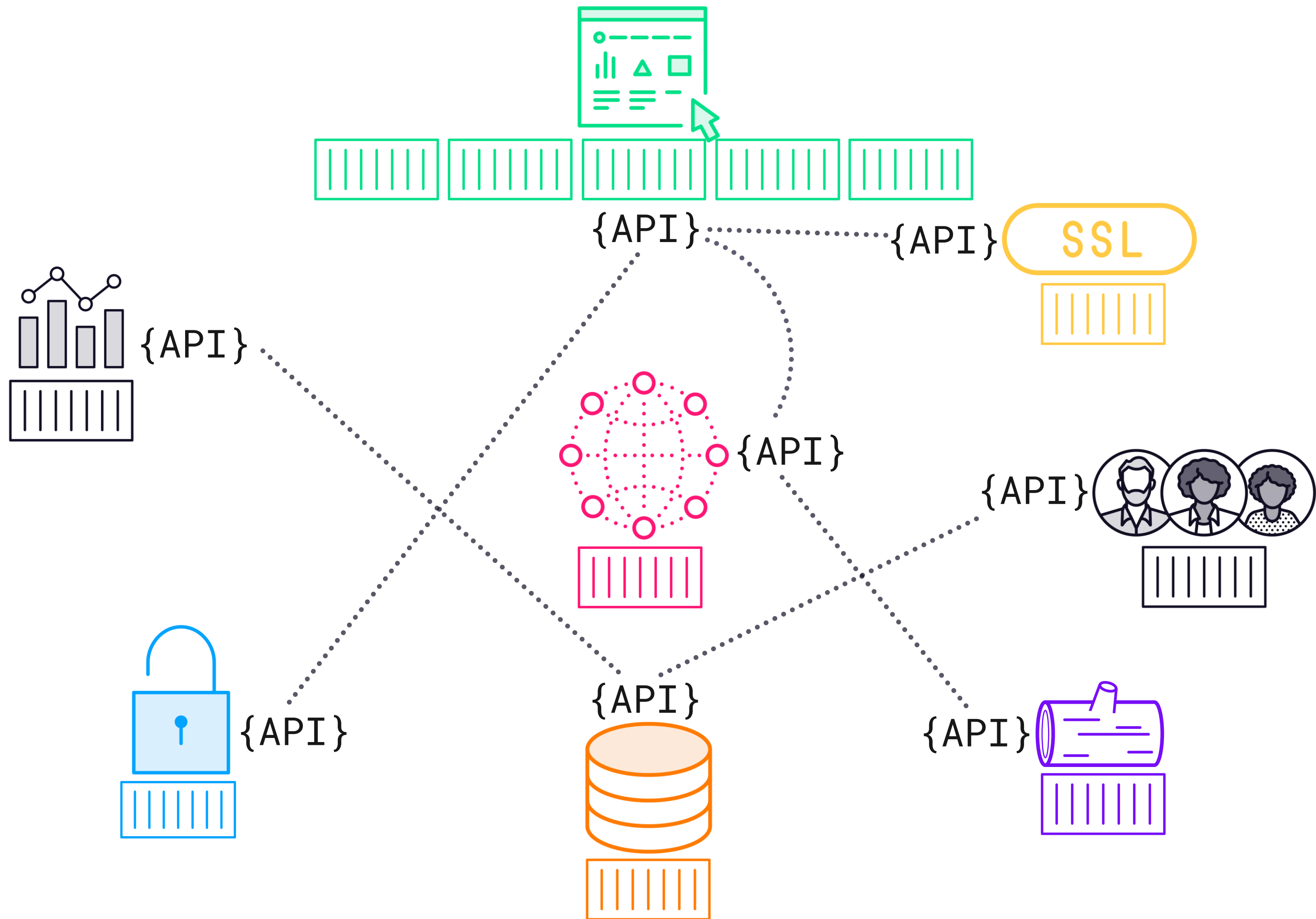
APP



SSL







Containers...

Are execution environments

Can be started, stopped, deleted...

Should be ephemeral

Should be immutable



Up Next:

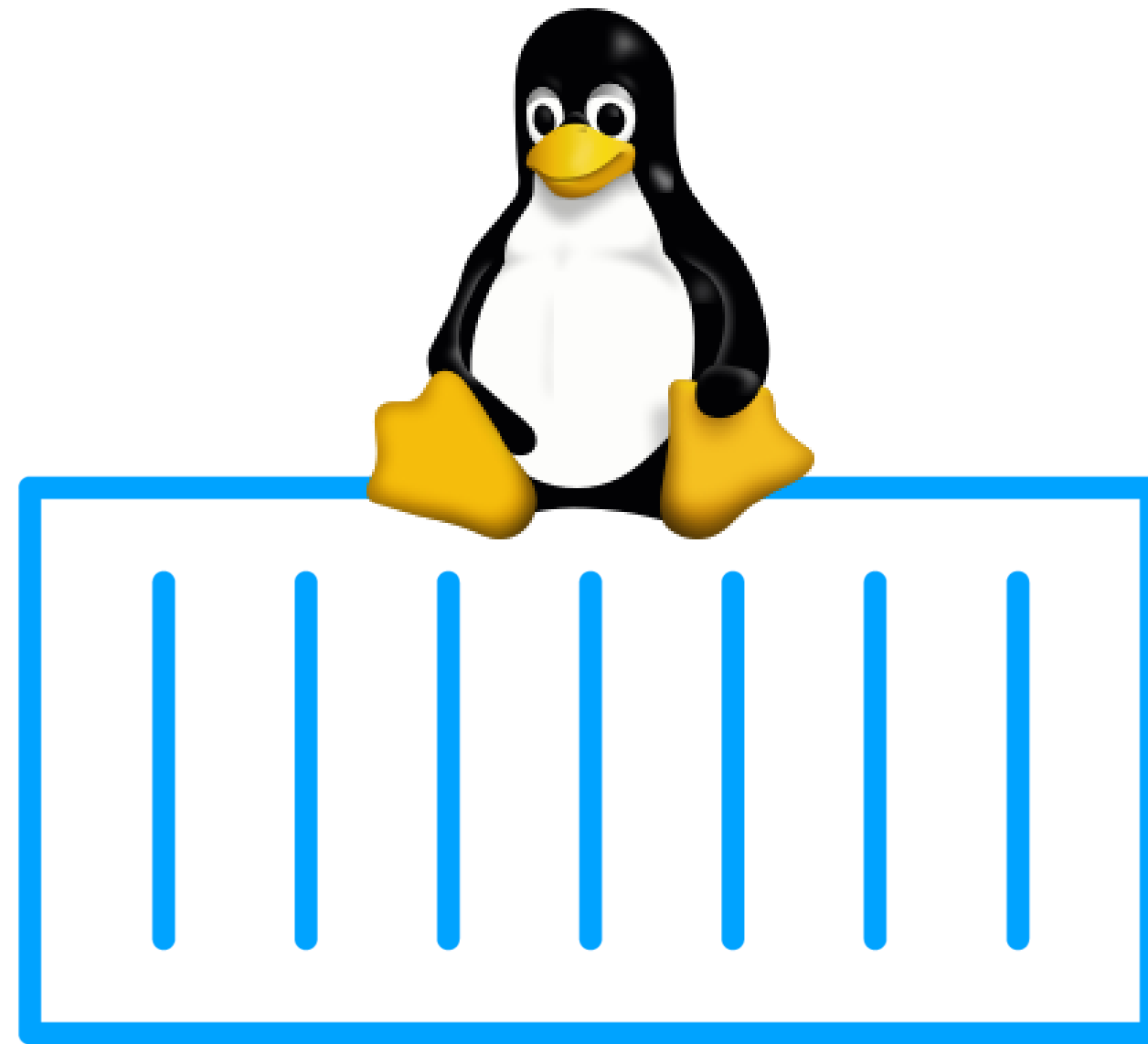
Containers: Hands-on Deep Dive

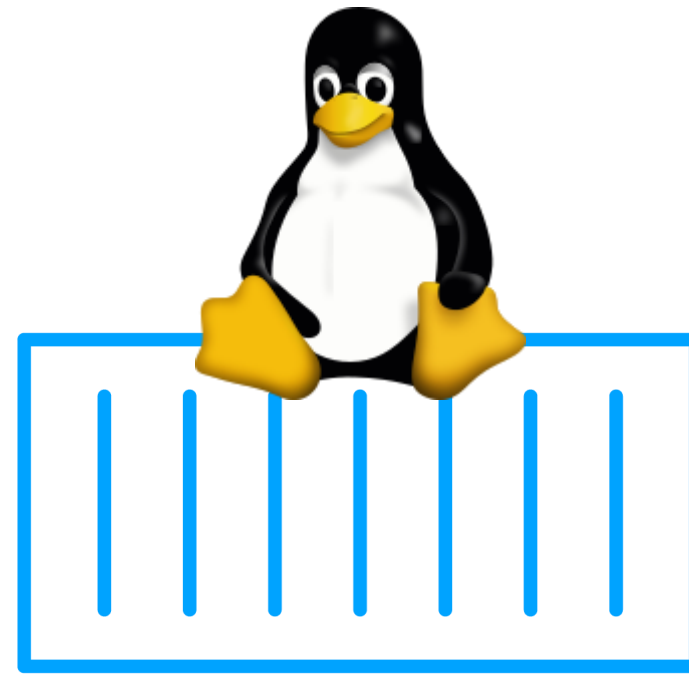




Containers: Hands-on Deep Dive

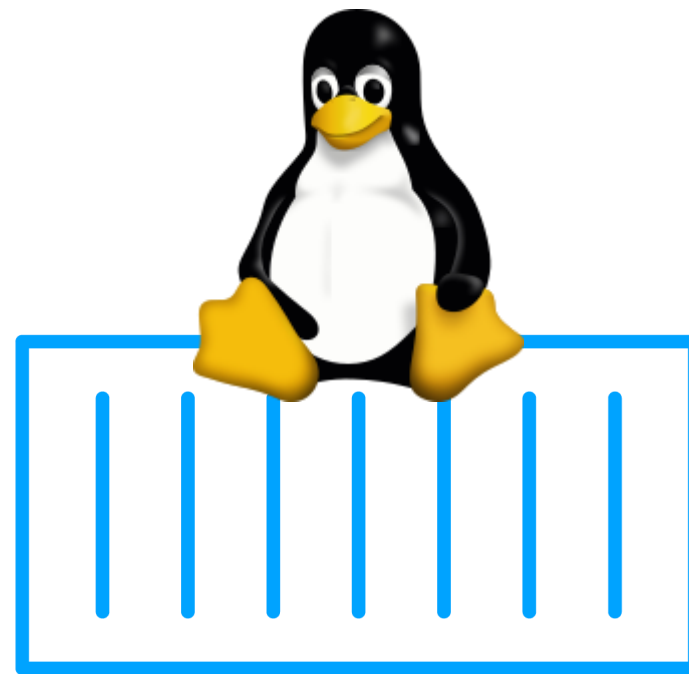






Windows & WSL 2





**WSL 2 provides
the Linux kernel**



Windows & WSL 2



Up Next:

Managing Containers with Docker Desktop





Managing Containers with Docker Desktop



Up Next:

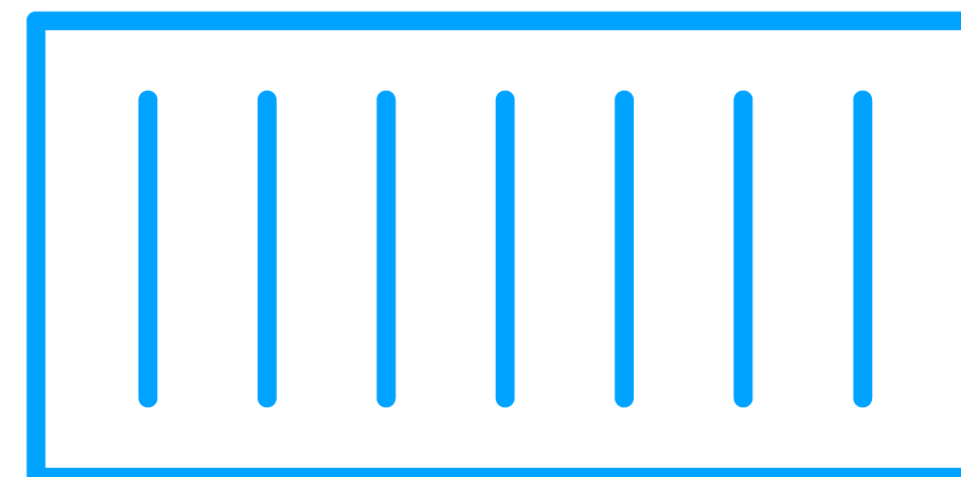
Recap





Recap

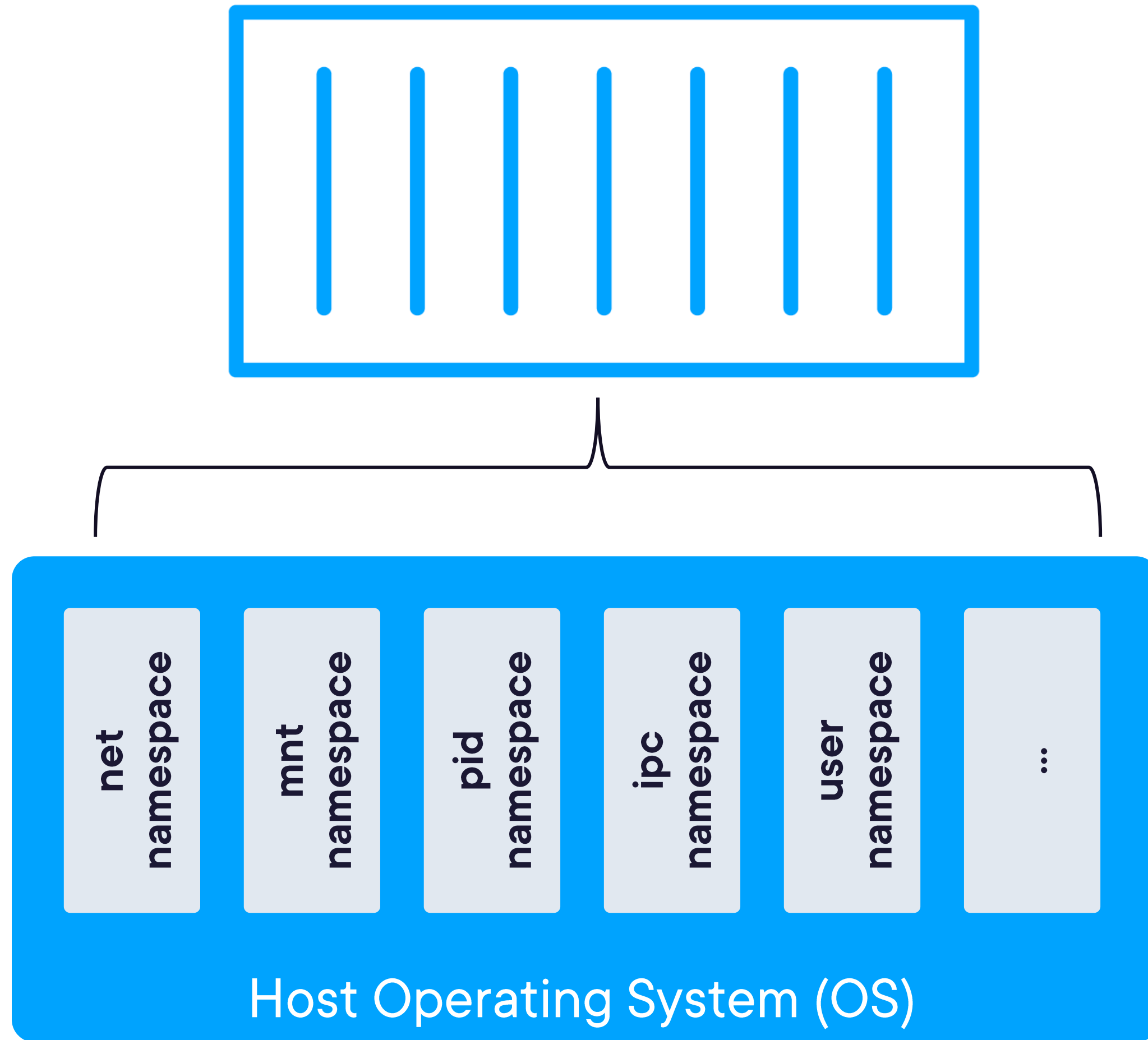


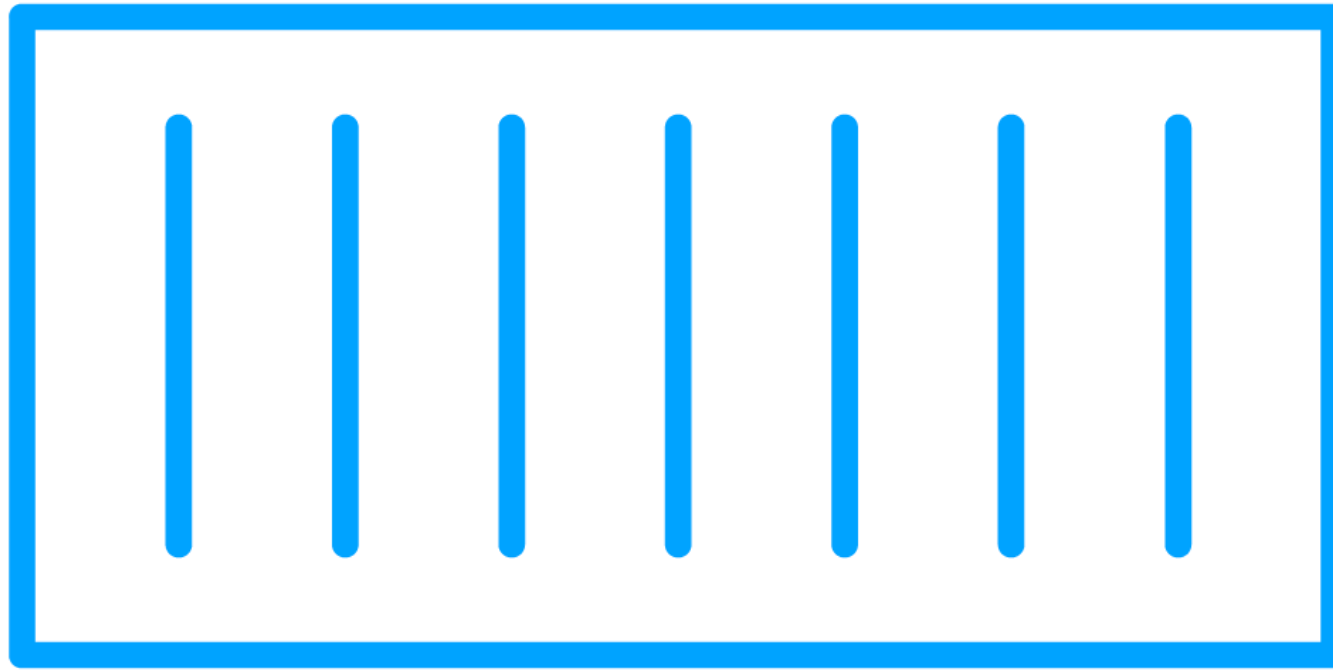


Build time

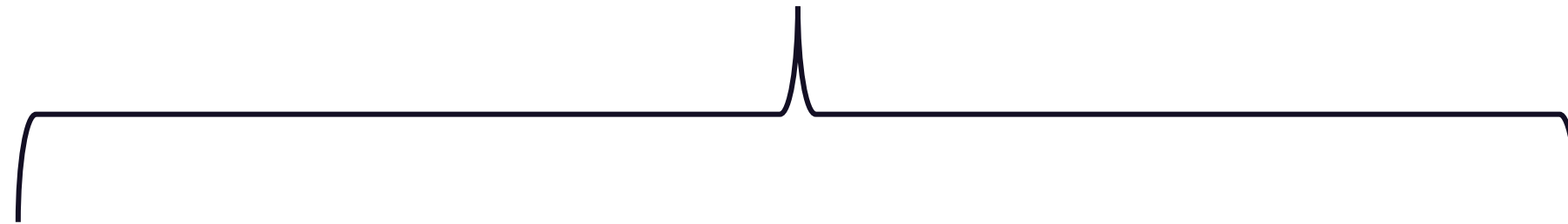
Runtime





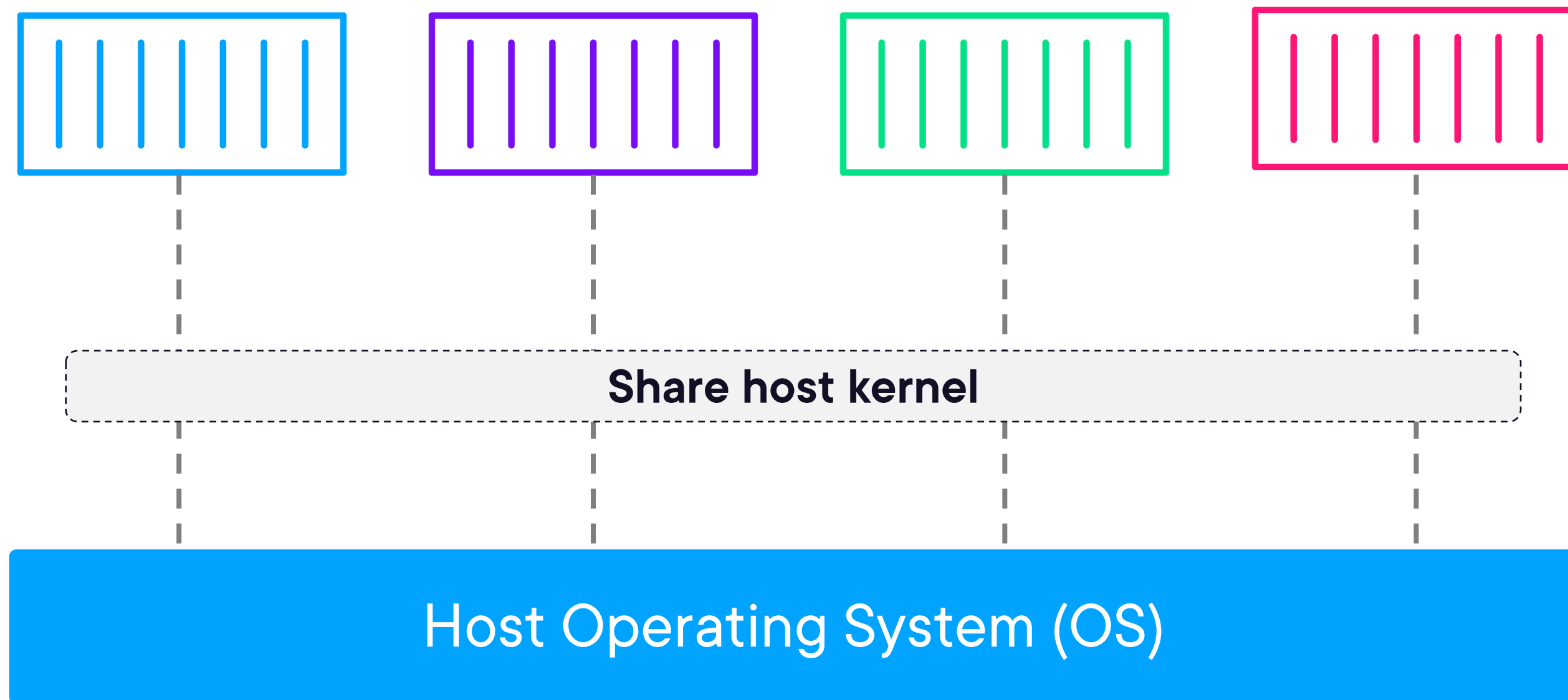


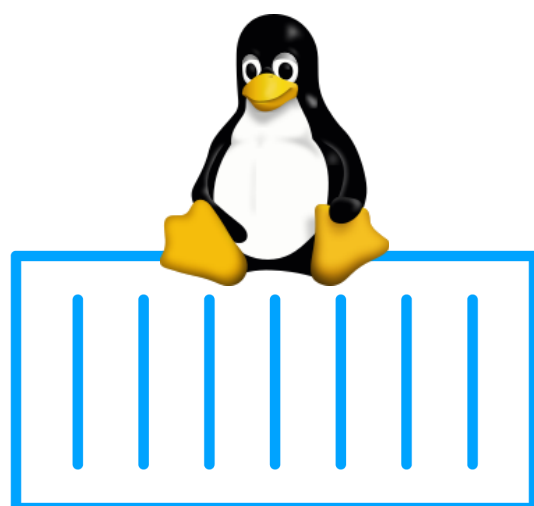
Container looks like
regular OS



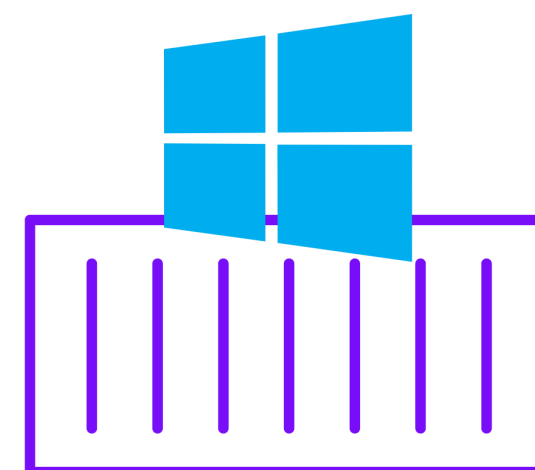
Host Operating System (OS)





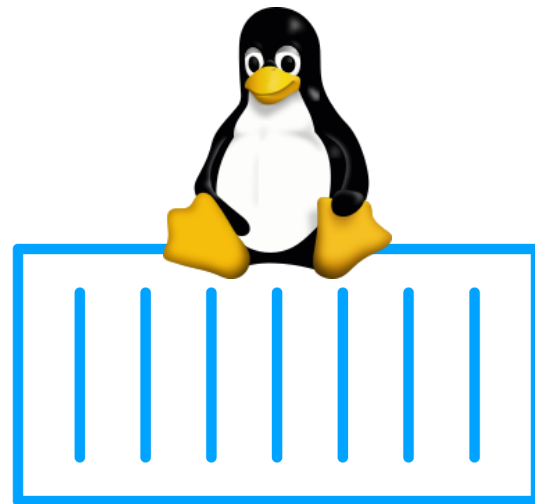


Linux

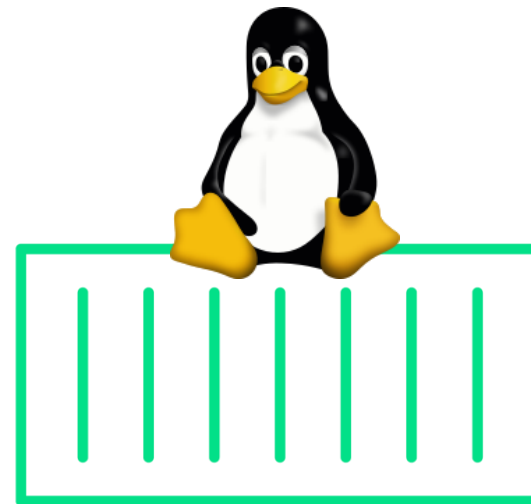


Windows

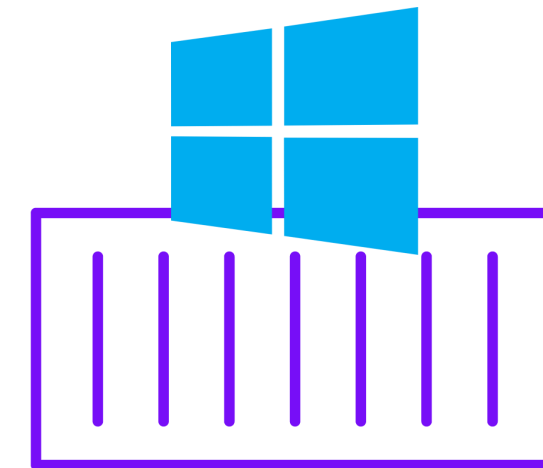




Linux

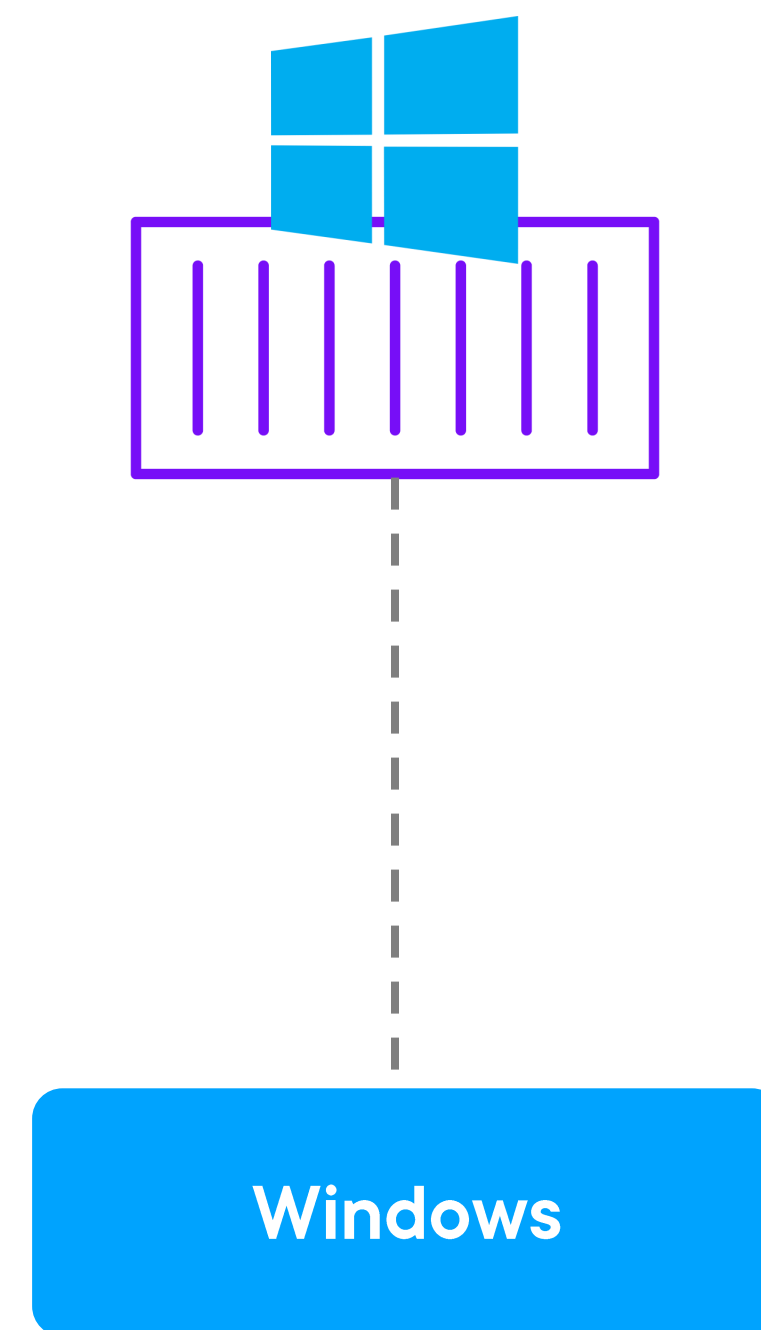
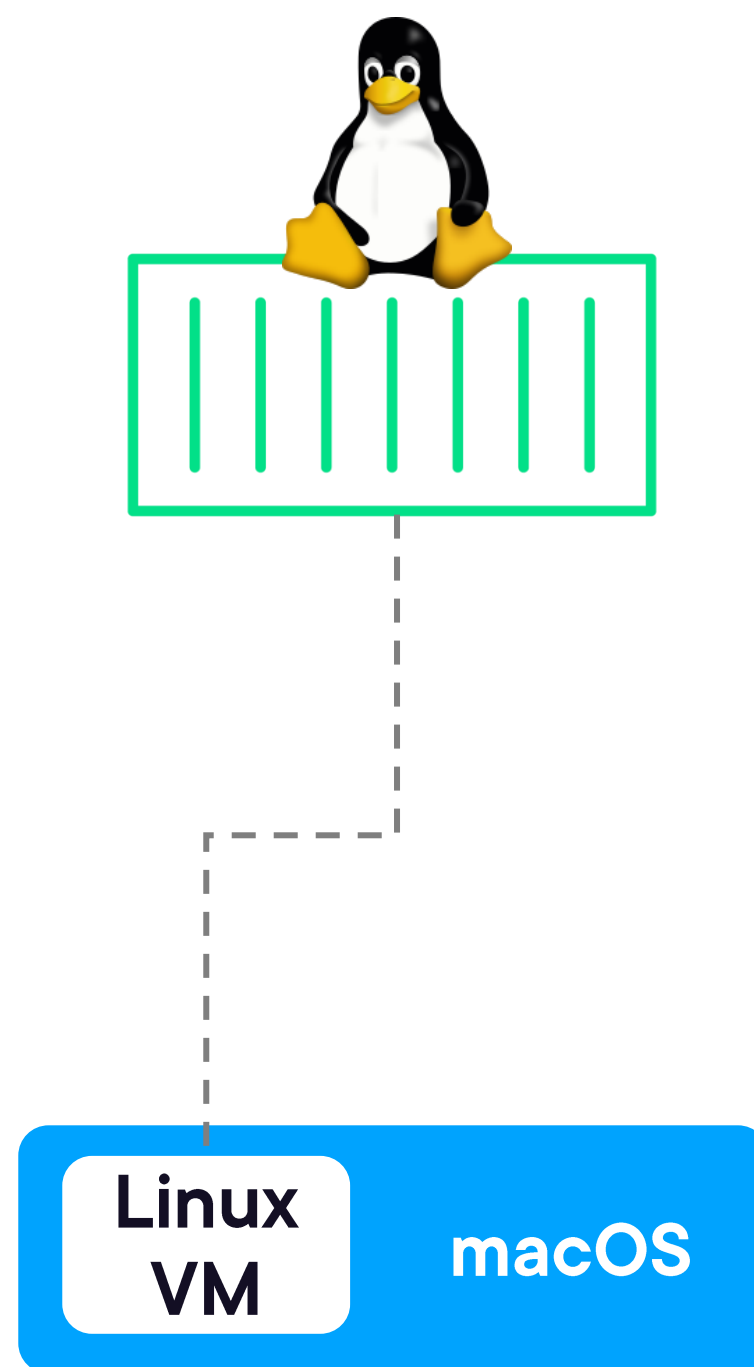
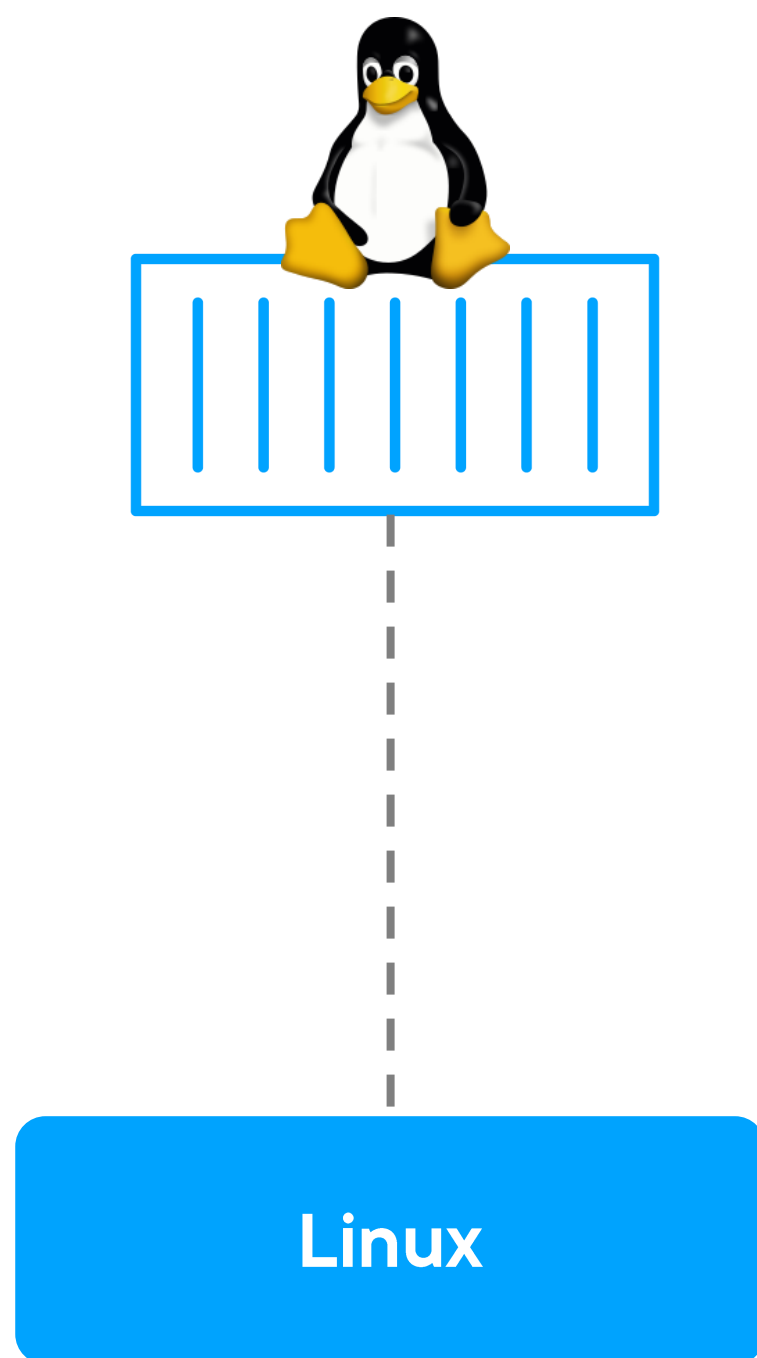


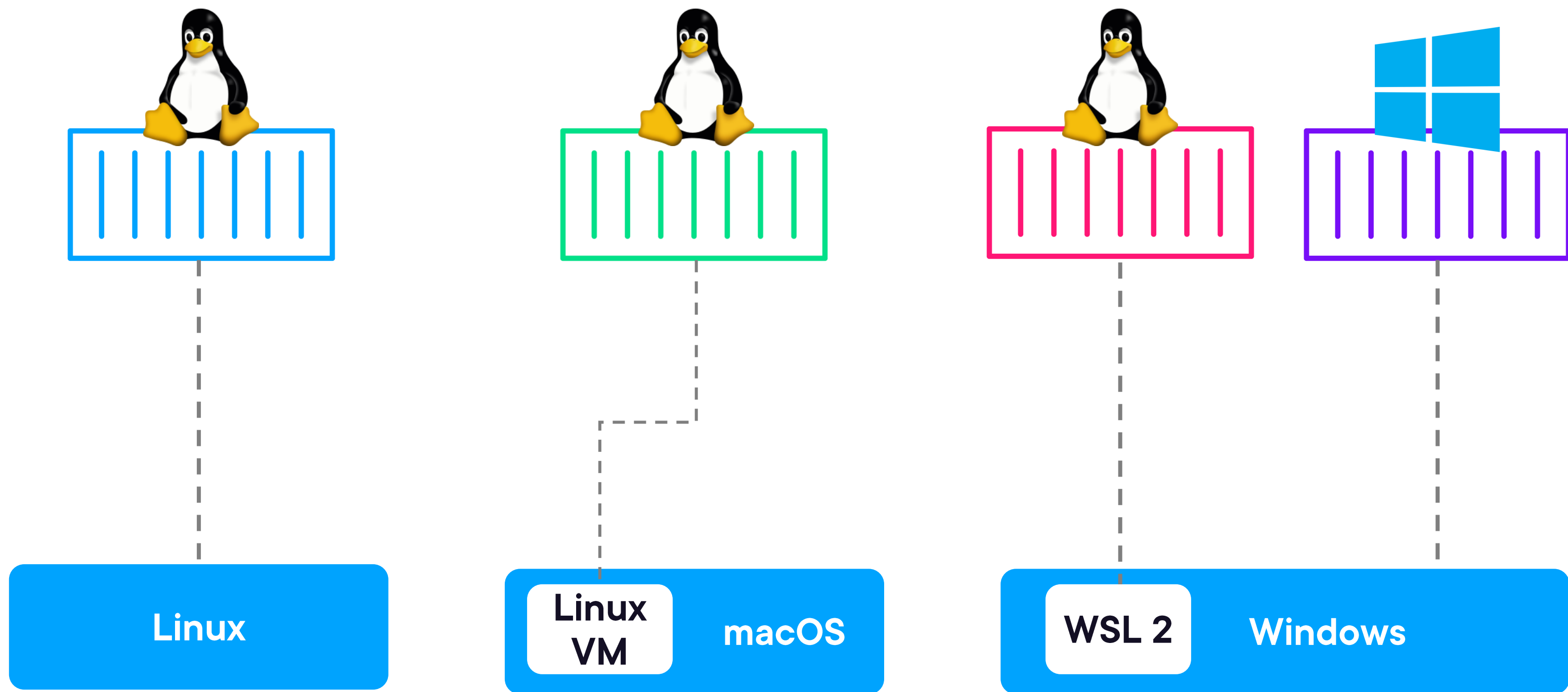
macOS

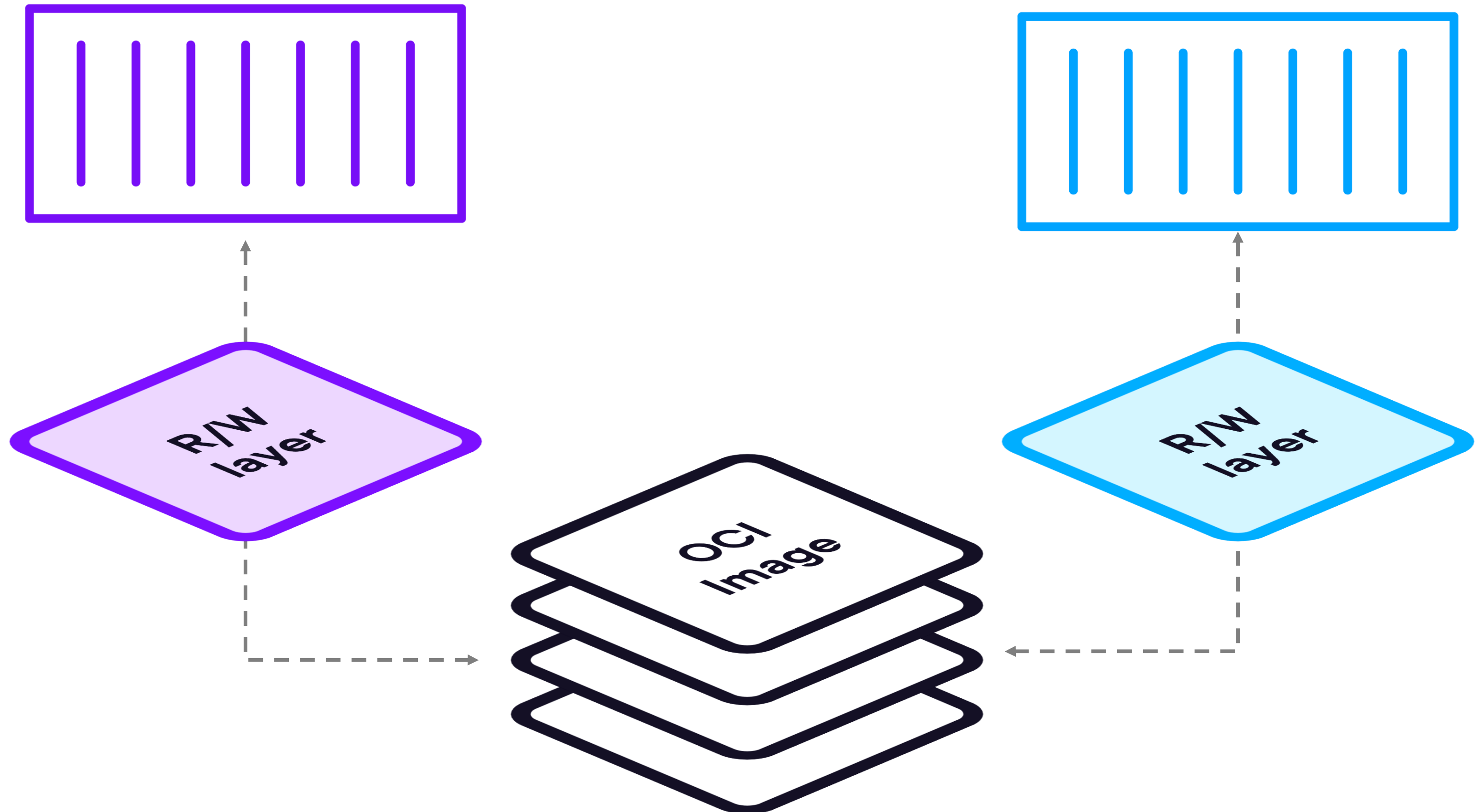


Windows









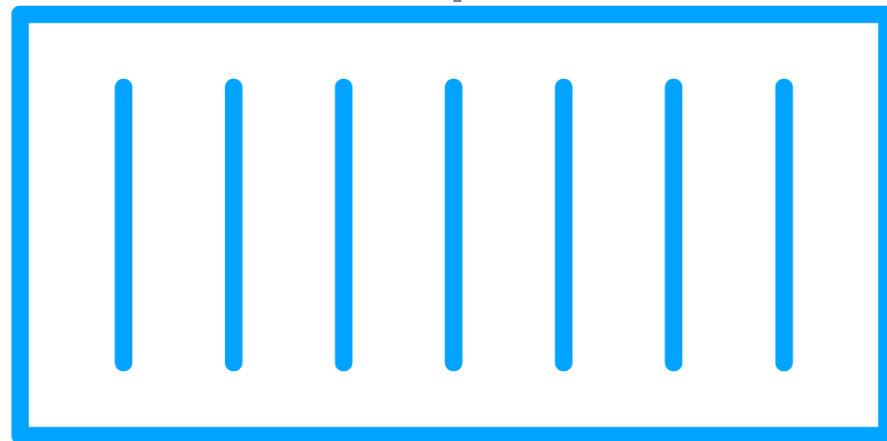
Containers should be...

Ephemeral

Immutable



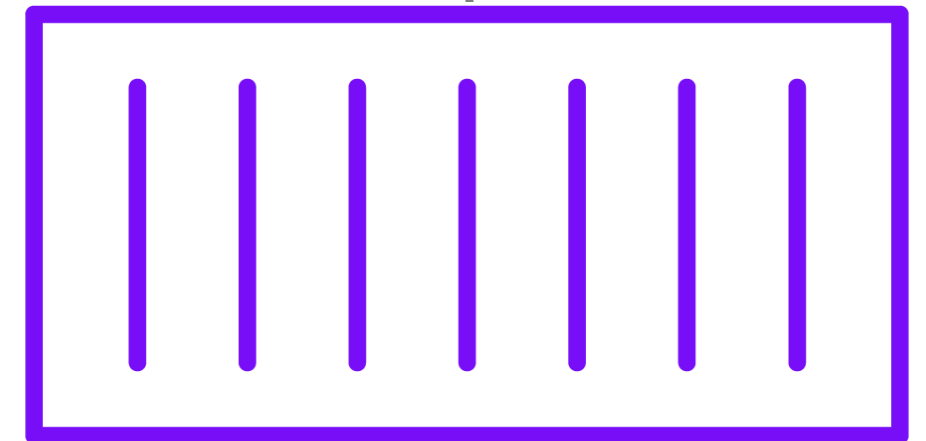
**Single process
(single concern)**



**Single process
(single concern)**



**Single process
(single concern)**



Up Next:

Building a Secure Swarm

