

Containers and Docker

Todays' Agenda

- Docker Storage
- Docker Network
- Docker Compose

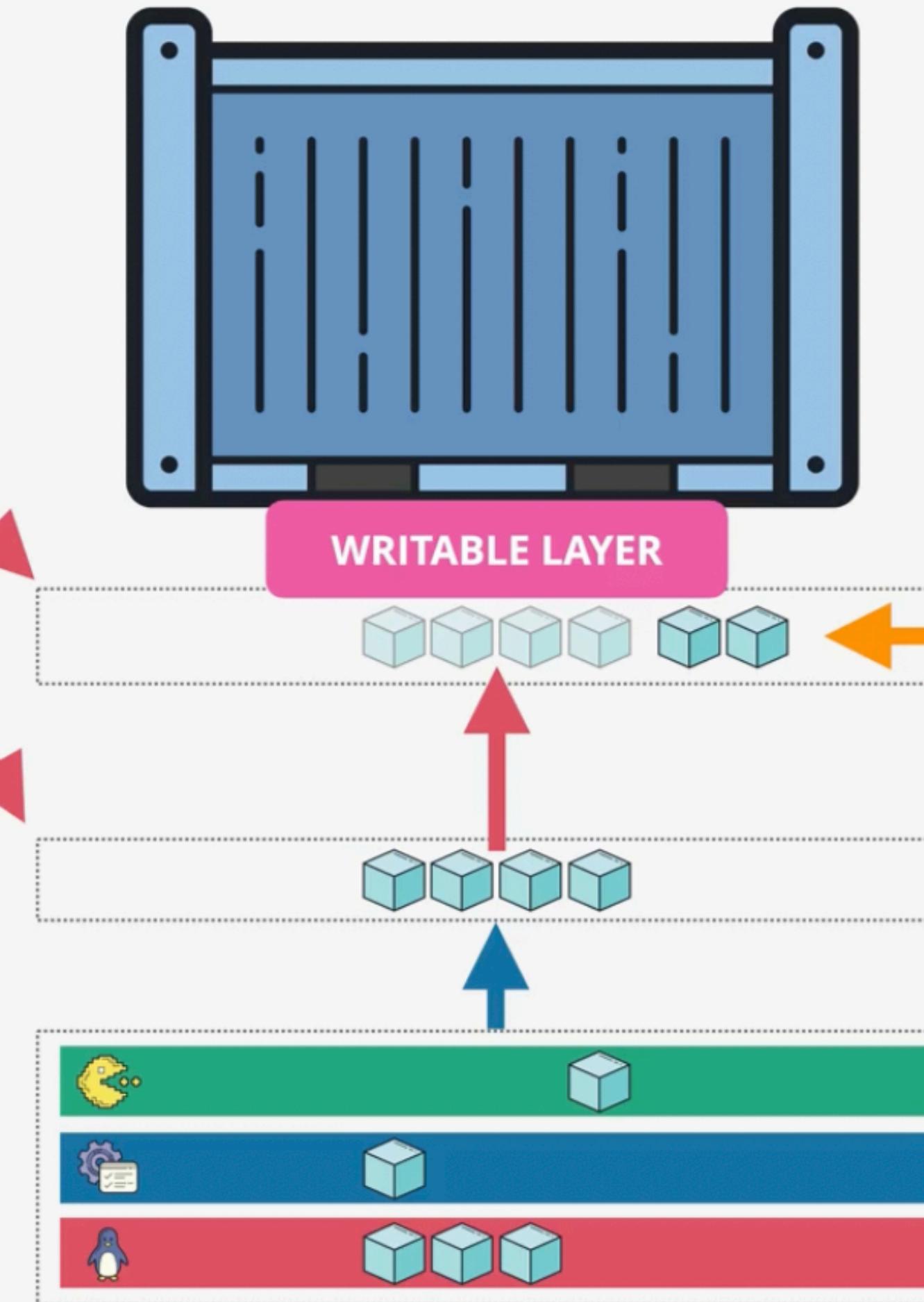
Docker Storage Options - Writable Layer

Allows files and directories from **separate** file systems to be **overlaid** - forming a “**single**” file system.

Union File System

Image (conceptual)

File System Layers of the docker image



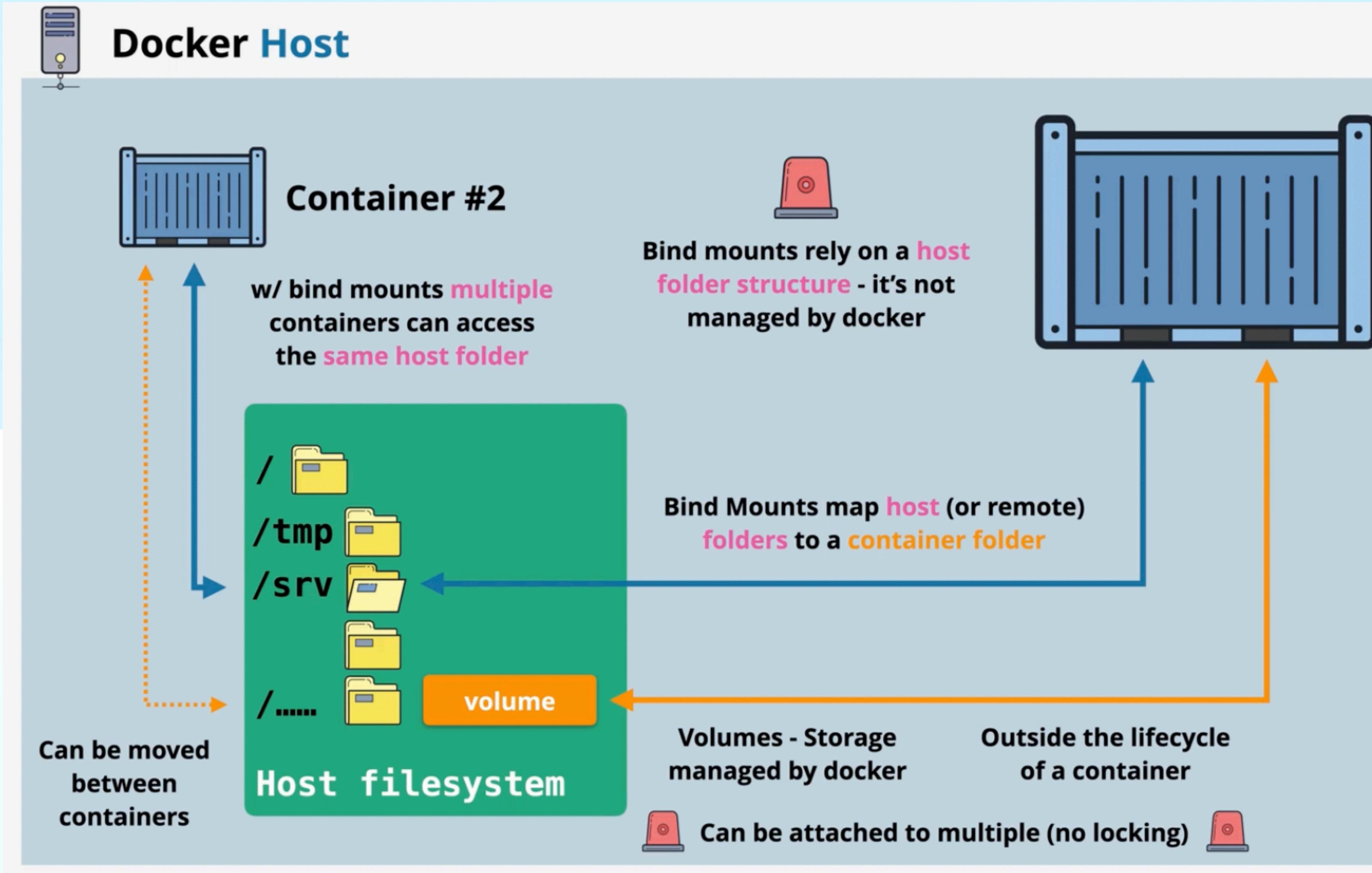
This architecture requires
a **file system driver**
... this has **overhead** and
impacts **performance**

Written data

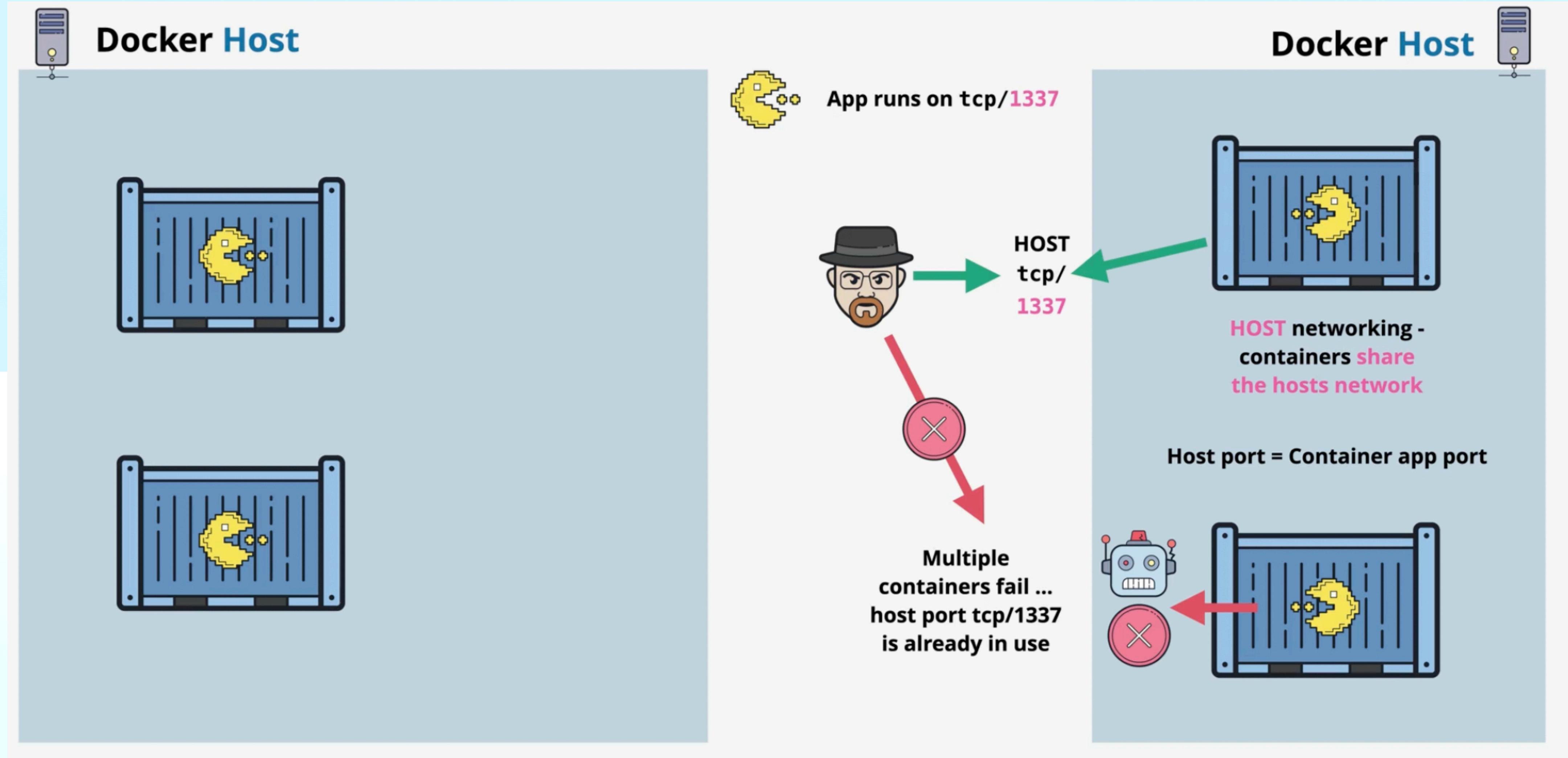
Image data (layers) can be read, but data **writes go to the **writable layer****

Container sees as **one filesystem**

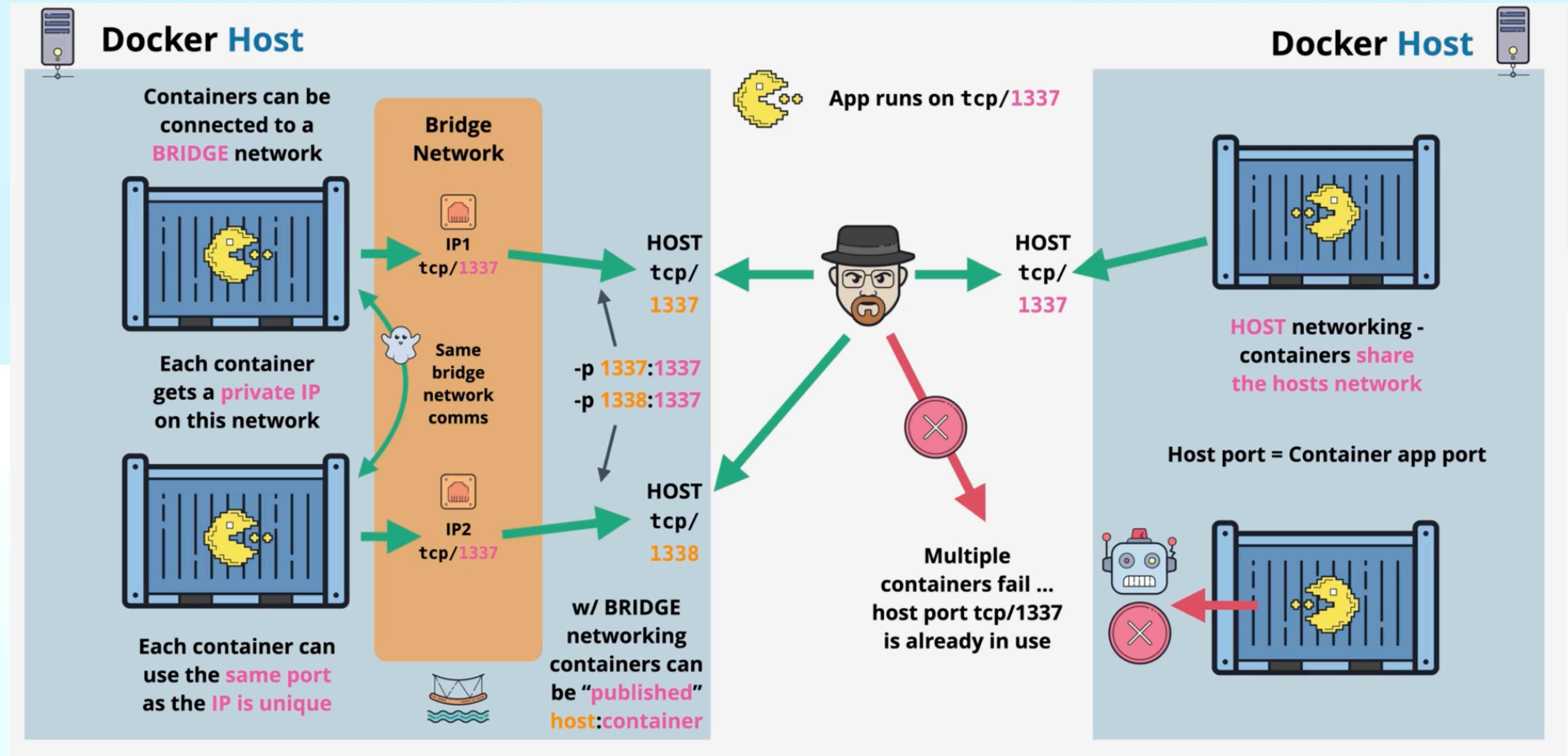
Docker Storage Options - Bind Mounts and Volumes



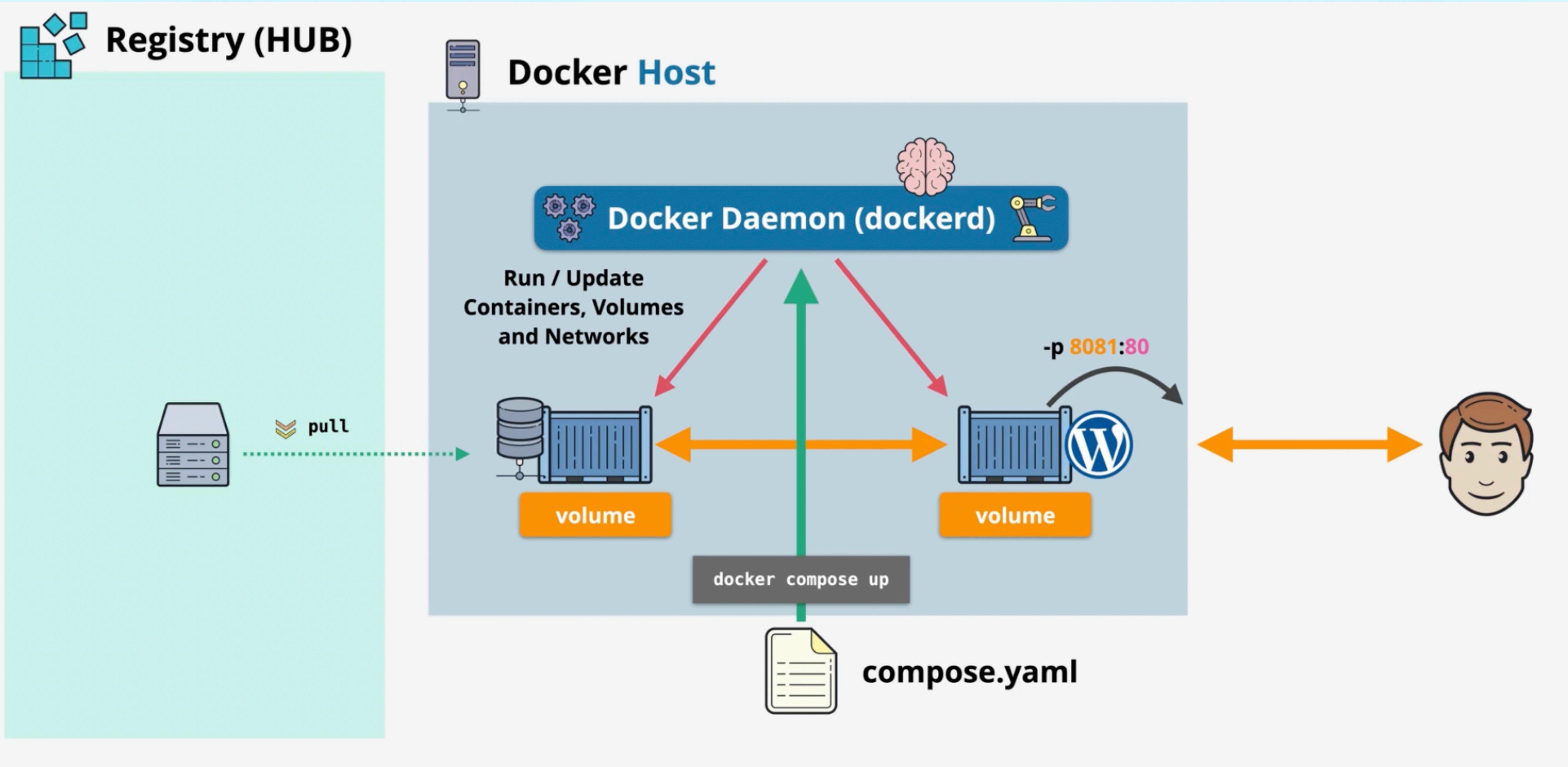
Docker Network - Host Networking



Docker Network - Bridge Networking



Docker Compose



QUIZ TIME

Q & A