

CODEXE
**AN ONLINE DEVELOPMENT
ENVIRONMENT**

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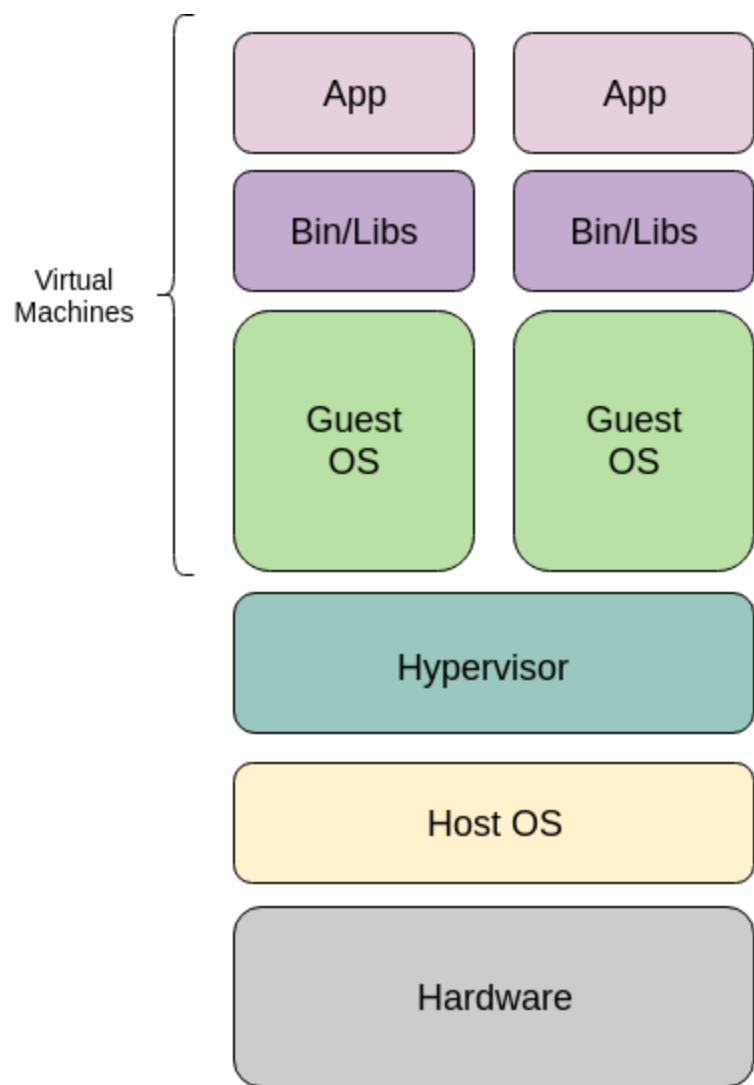
WHY?

Installing tools is a bad experience

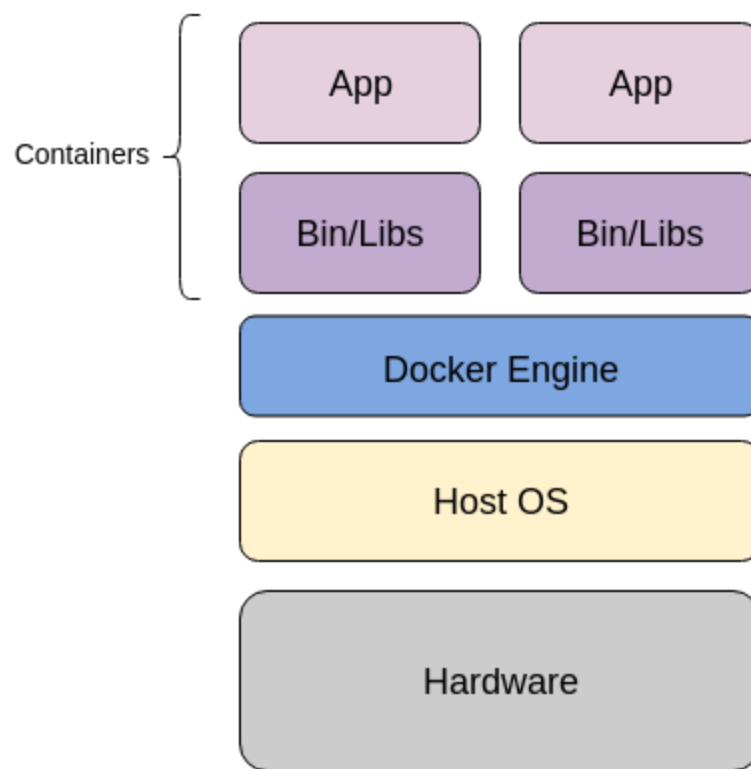
Limited resources on a local machine

The web is powerful now

HOW?
CONTAINERS



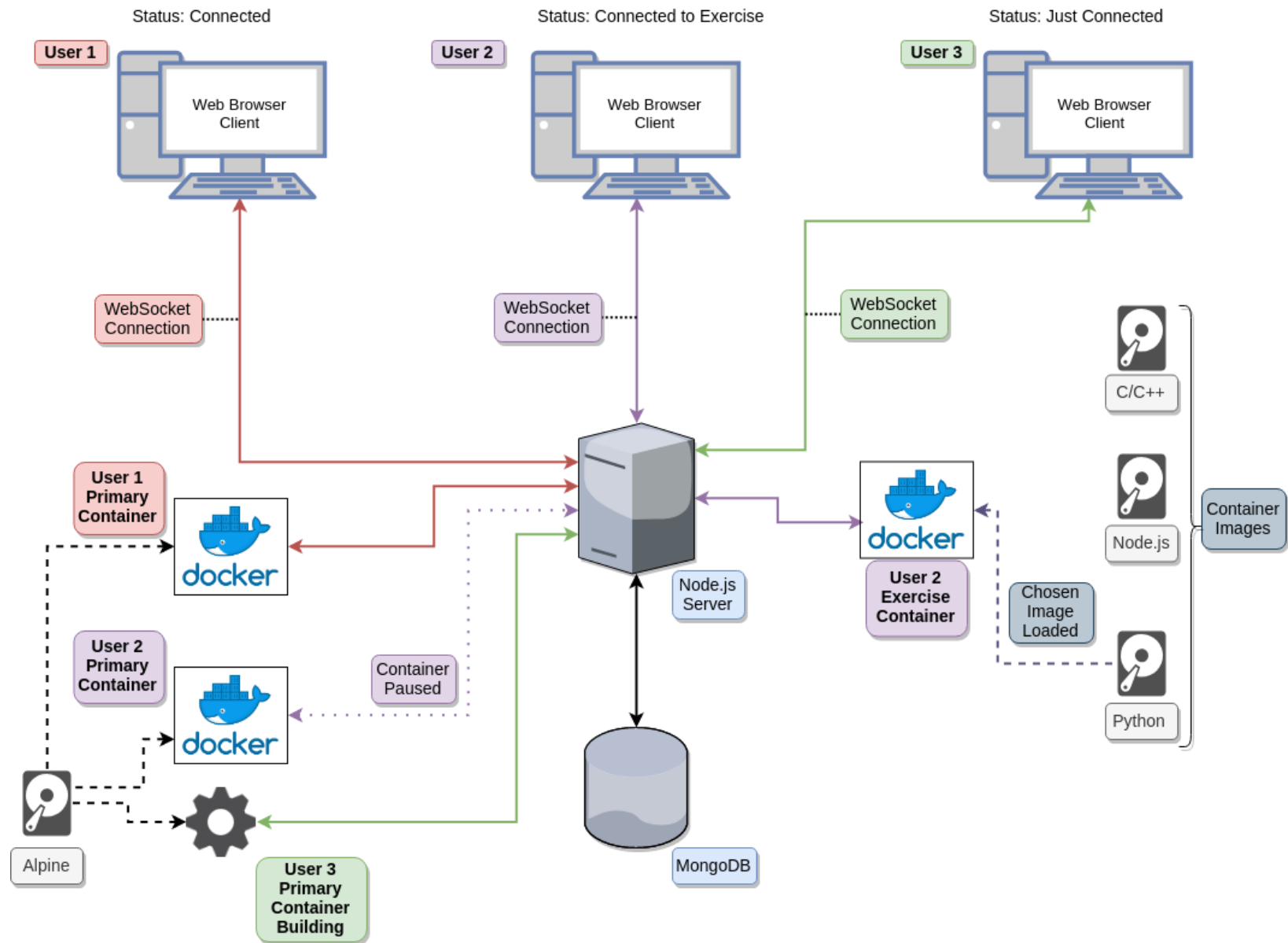
Traditional Virtual Machine architecture with Hypervisor



Container architecture powered by the Docker Engine

DEMO

ARCHITECTURE



SECURITY

Linux Containers are enabled by cgroups and namespaces

Not fool proof

PERMISSIONS

Docker automatically makes you a root user on the container

This is obviously bad

Solution: Make all containers come with a low permissioned user

This is also not fool proof

FUTURE

Secure sandbox container runtime

User accounts and container snapshots

Sandbox section more beginner friendly

THANK YOU
QUESTIONS?