

Docker

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What is Docker?

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- ◆ Docker enables you to separate your applications from your infrastructure so you can deliver software quickly.

Why Docker?

Why Docker?

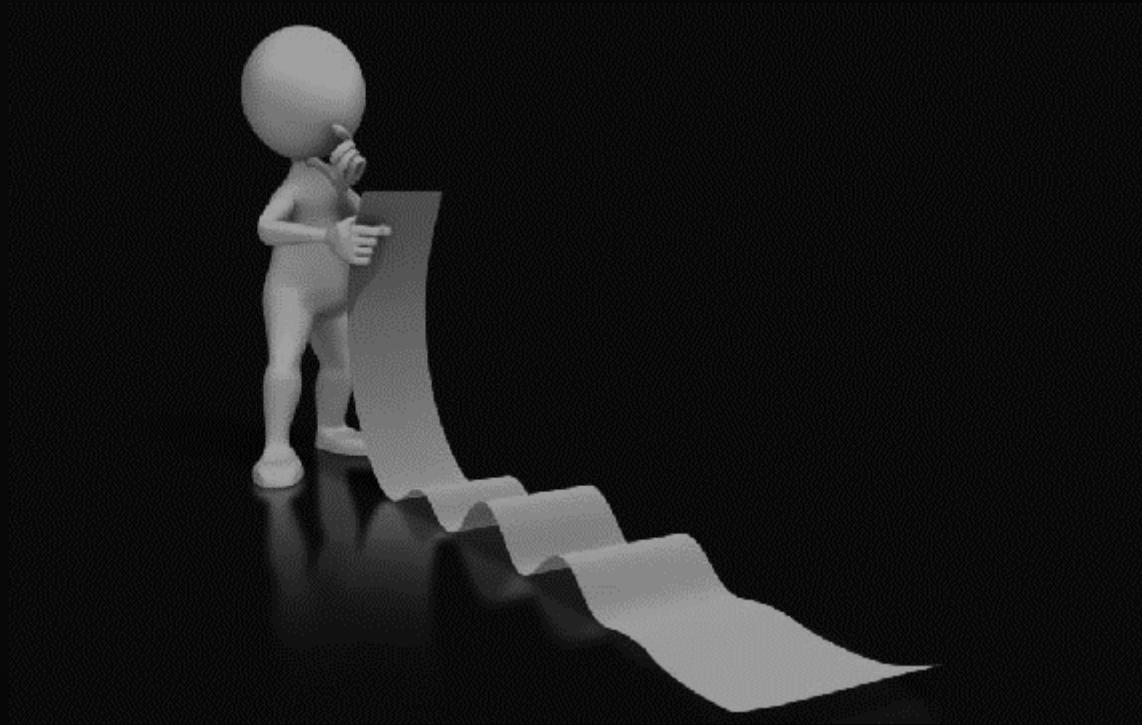
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Complexity



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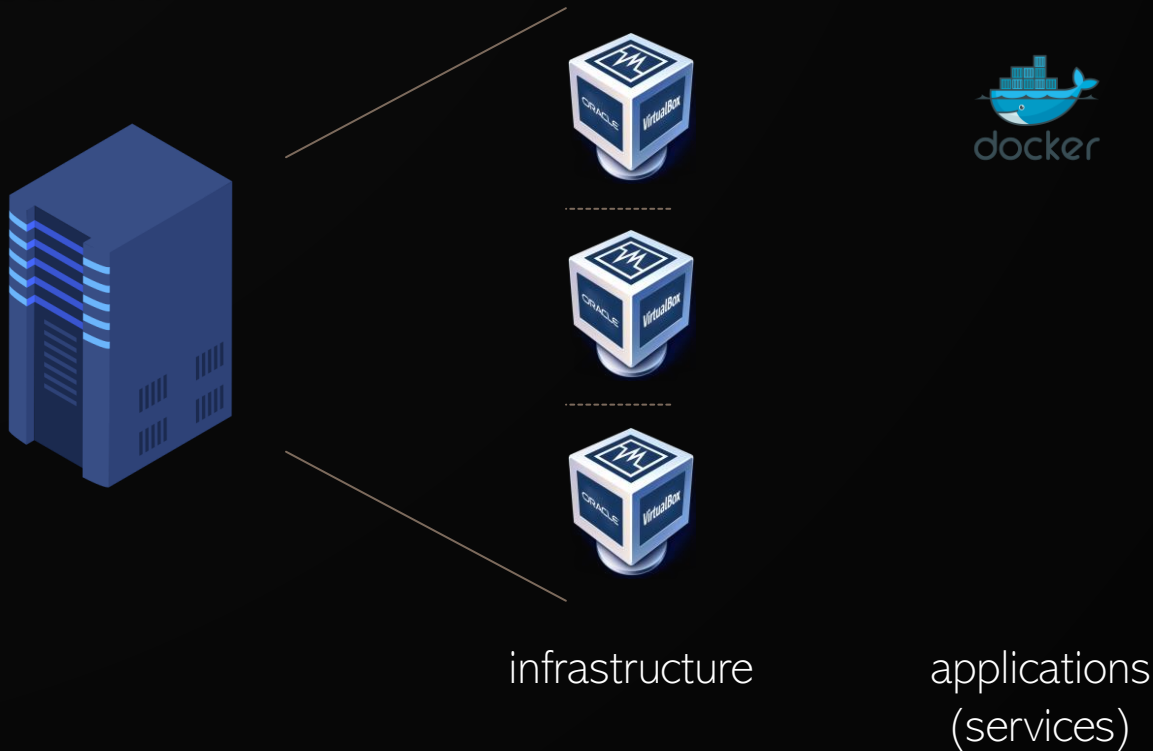
infrastructure



applications
(services)

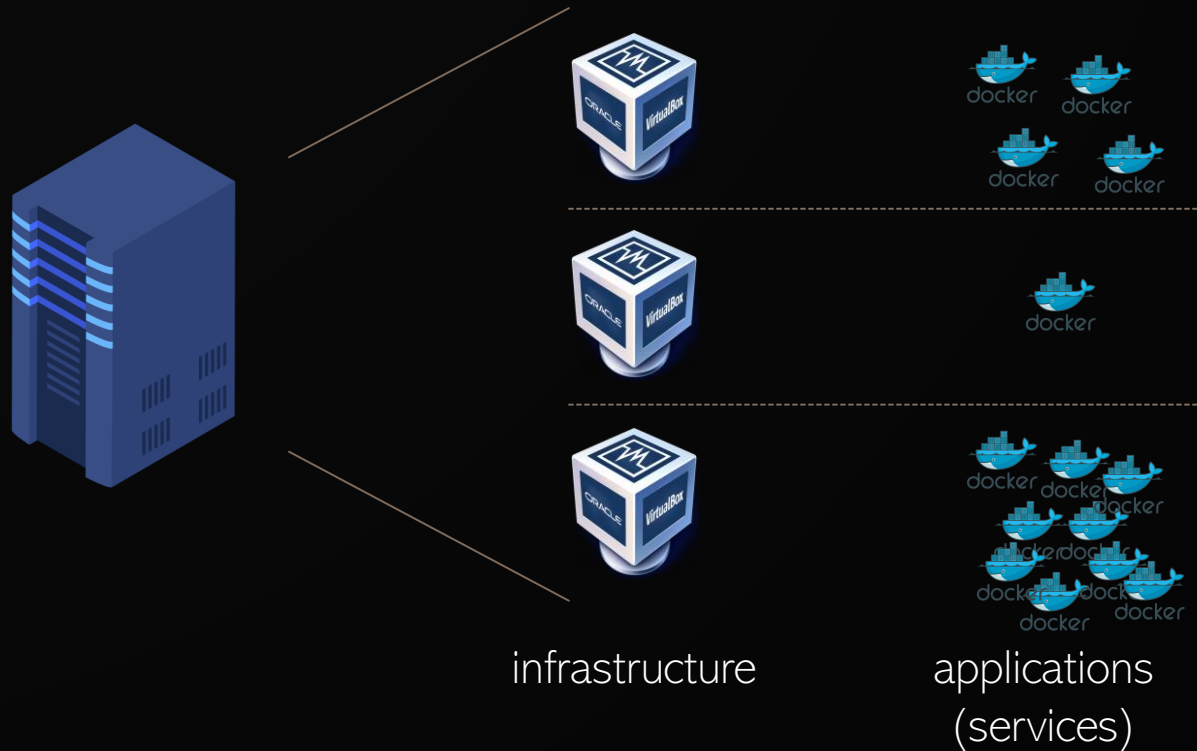
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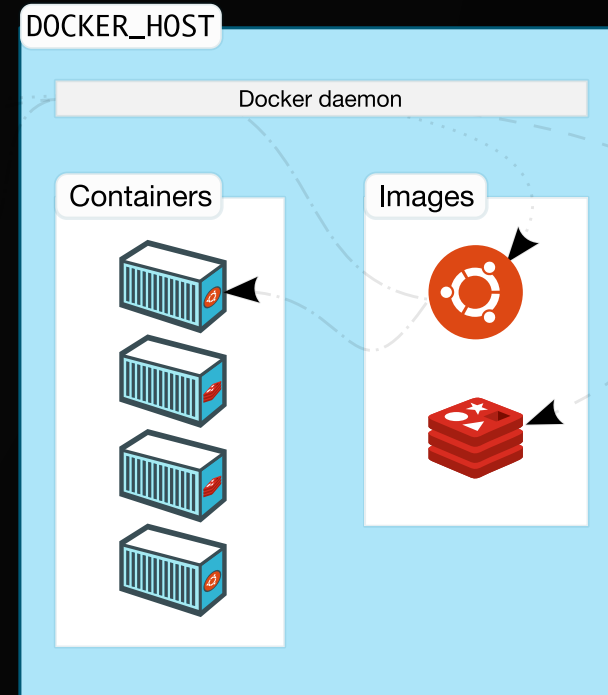
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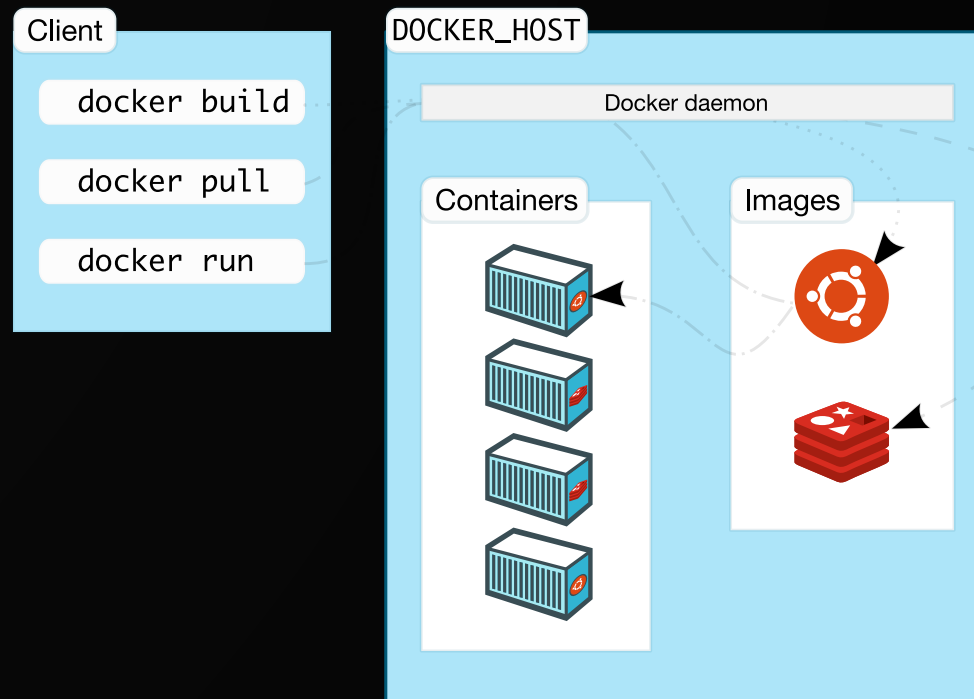
About

- ◇ Docker daemon (dockerd)
 - ◇ Management



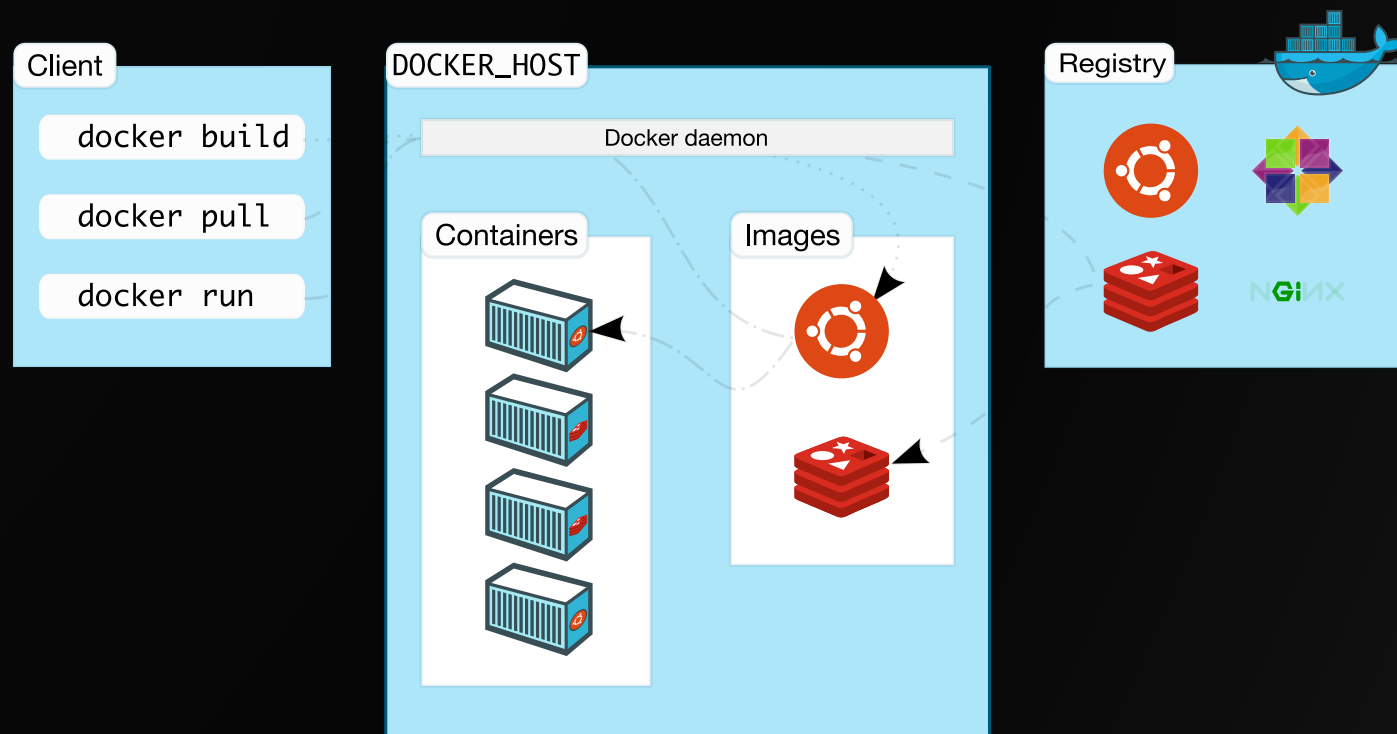
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- ◇ Docker daemon (dockerd)
 - ◇ Management
- ◇ Client (eg CLI)
 - ◇ Interact with Docker daemon



About

- ◇ Docker daemon (dockerd)
 - ◇ Management
- ◇ Client (eg CLI)
 - ◇ Interact with Docker daemon
- ◇ Registry (eg Docker Hub)
 - ◇ Image store



Docker objects

Docker objects

- ◆ Image
 - ◆ = template
 - ◆ Types
 - ◆ Images in registry
 - ◆ From Dockerfile

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- ◇ Image
 - ◇ = template
 - ◇ Types
 - ◇ Images in registry
 - ◇ From Dockerfile
- ◇ Container
 - ◇ = instance
 - ◇ Has
 - ◇ Storage
 - ◇ Network

Final words...

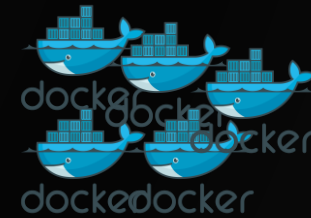
◇ How we will run:

◇ Docker CLI



Final words...

- ◇ How we will run:
 - ◇ Docker CLI
 - ◇ Docker Compose



Final words...

- ◆ How we will run:
 - ◆ Docker CLI
 - ◆ Docker Compose
- ◆ Out of scope:
 - ◆ Kubernetes (K8s)

