

Containers vs VMs



Competition of Co-Existance?

Clint Kitson - EMC {code} developerAdvocate

COMPETITION IS GOOD, CUSTOMERS WIN

Hey Oopsy!

What do you care about?

VMs, SDDC, and Self-Service.

IDEVS!

What do you care about?

- The Apps
- Continuously deploying features
- Abstracted and controlled software architectures
 - Infrastructure as Code
- Getting what I want when I want it
- Consistency
- Frictionless deployments

Develop Anywhere and Deploy Everywhere

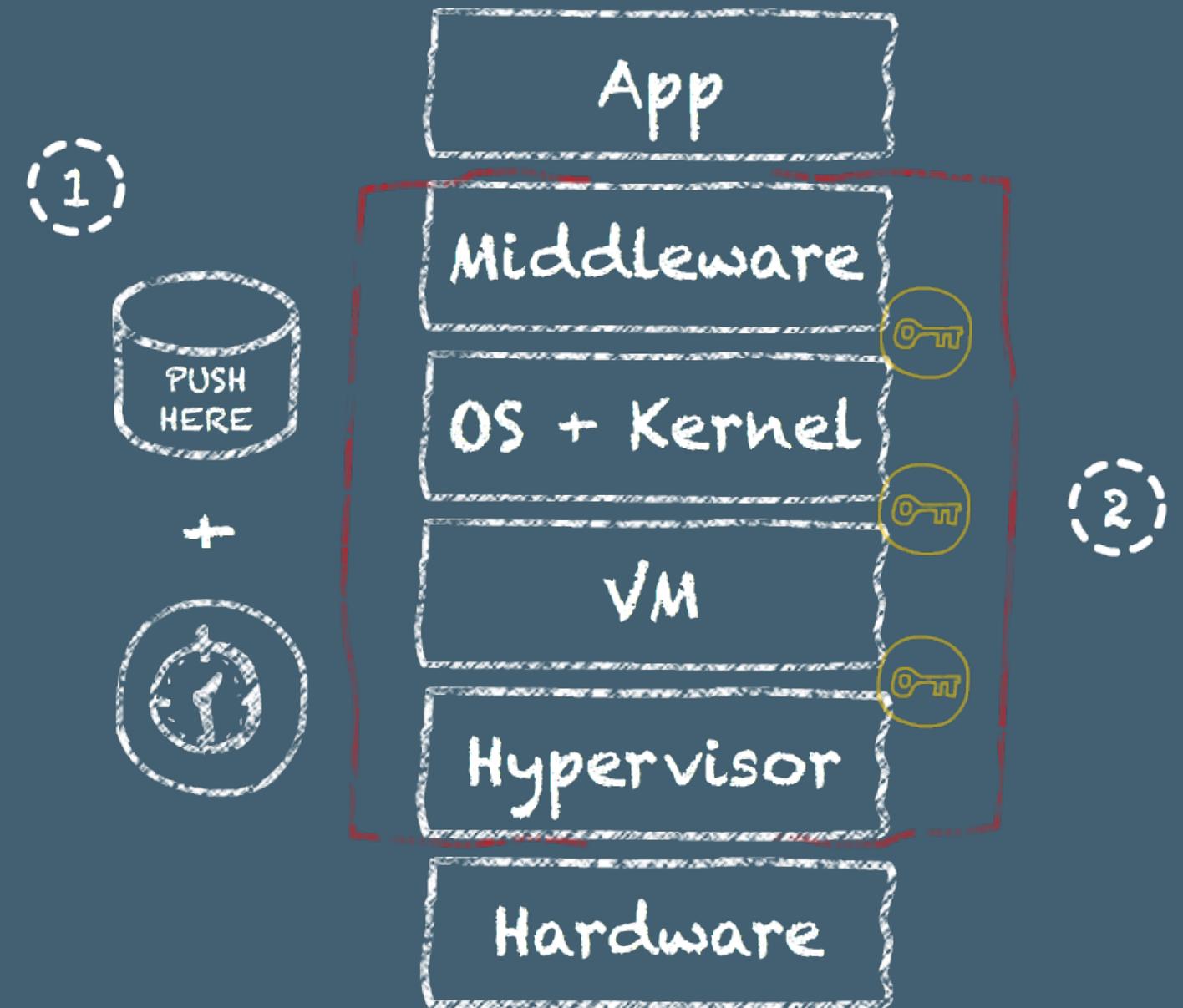
Consistent Packaging and Deployment

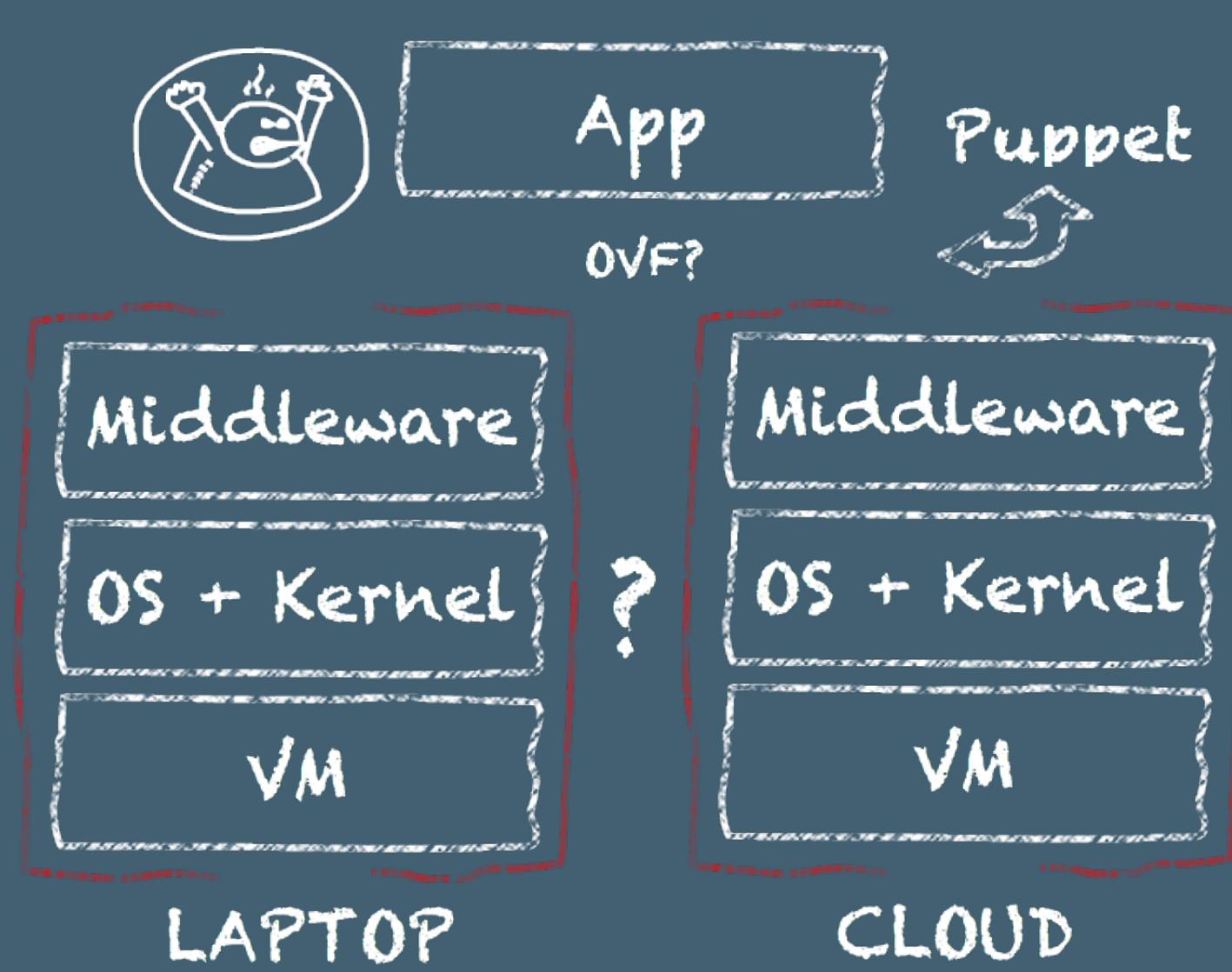
It sure sounds like a VM
from a self-service Portal
would be perfect!

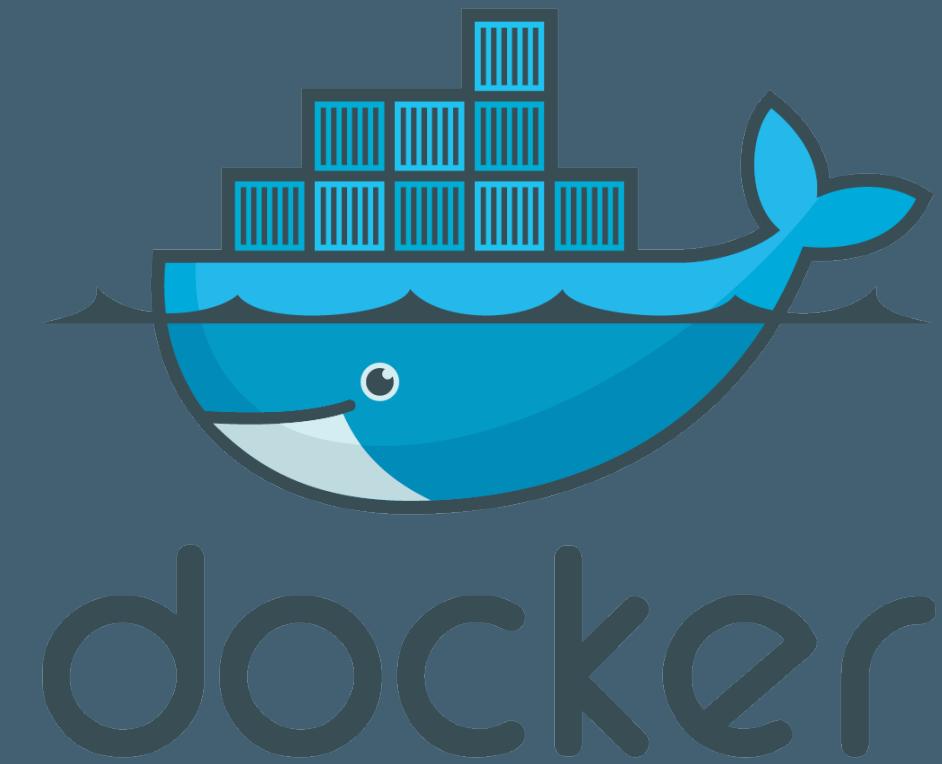
ONCOMING!

Try again!

Where's the friction here?







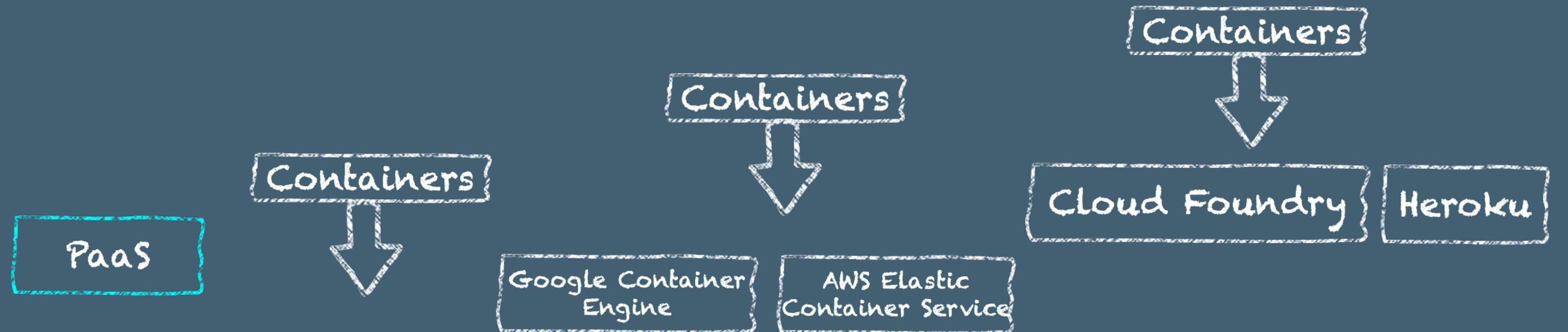
200MB Container



8MB Container

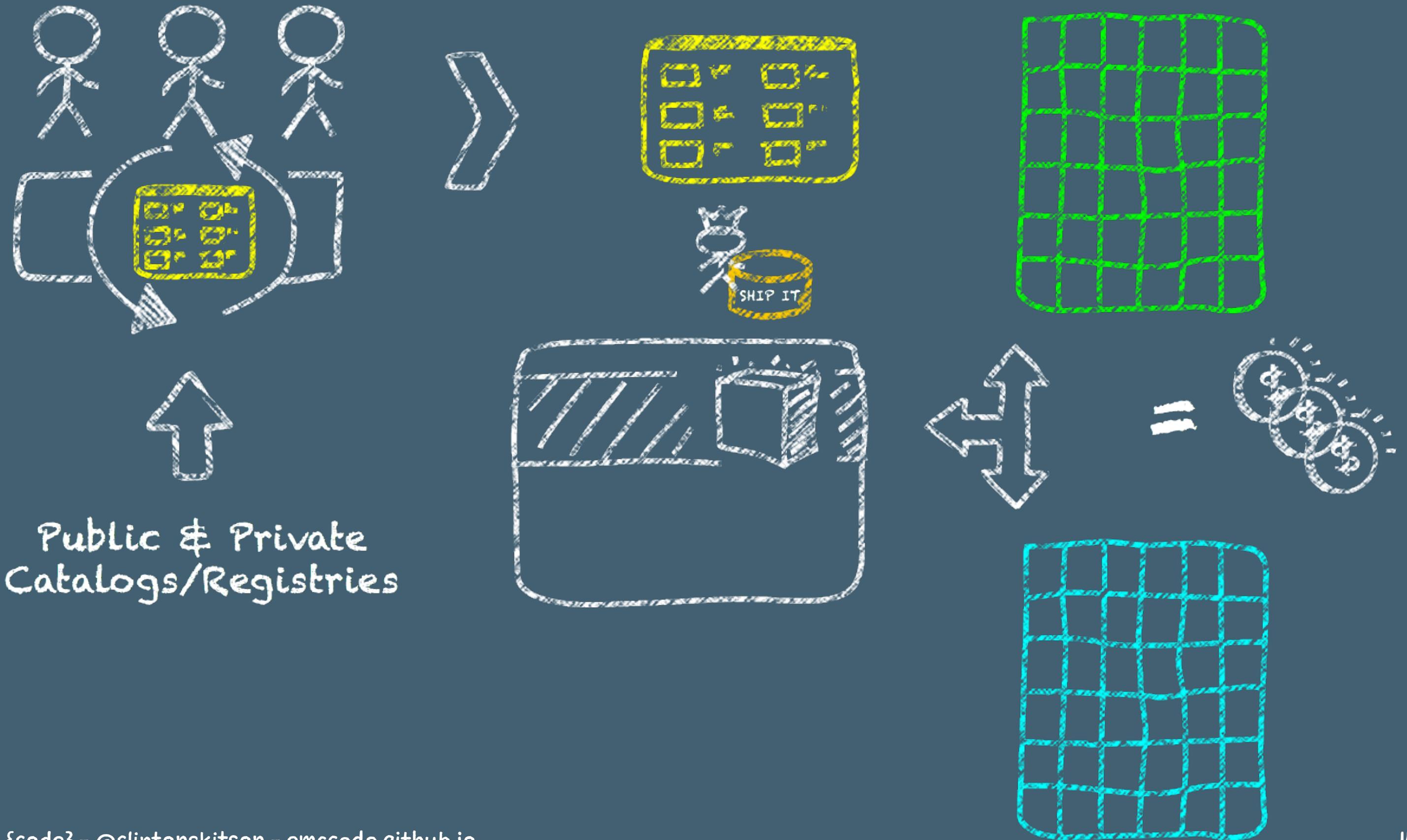


Container OS + Kernel



Portable and Frictionless **Containers** Agnostic of Infrastructure





CHALLENGES

DEPLOYMENT MODELS

Single process containers

Monolithic App



READY FOR MICRO-
SERVICE
ARCHITECTURES?

CONTAINERS ARE PERSISTENT, BUT...
Storage for containers is typically local

DAS

North-South availability is not top
priority

NEW ECOSYSTEM

Software Agents are not built for
containers yet

TYPICAL MICRO-SERVICE APPLICATION ARCHITECTURES



WHY CONTAINERS WITH VMs?

→ VSOPHERE STABILITY HAS DONE GREAT THINGS FOR OPERATIONS

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- ABSTRACTION FROM HARDWARE
- SECURITY AND ISOLATION
- STORAGE
- NETWORKING

CONCLUSION

CONTAINERS AND VMS ARE SYMBIOTIC
CONTAINERS ALLOW PORTABILITY
SUPPORT DEVELOPMENT ANYWHERE AND
DEPLOYING EVERYWHERE

DEVOPS@EMCWORLD!

FREE PRE-SHOW EVENT

Sunday @the Venetian
2p-6p

THANK YOU