

Contain Your Excitement

Hands on with Docker



About Me

- 20 Years Professional Software Development
- 7-Year Microsoft MVP
- First Computer was a Commodore 64 8-bit 64 kilobyte 2.6 MHz machine
- Summited my first two “14ers” last year (Mt. Sherman and hiked 13 miles to the summit of Pike’s Peak)
- 3 Years Vegan (although sometimes I end up with eggs)



Jeremy Likness 
@jeremylikness



Agenda

- What is Docker?
- Why Docker?
- Getting Started
- Building Images
- Docker Compose
- Q & A

What is Docker?

The Journey from Metal to Containers



docker

Physical Server



Physical Server

App A

App B

Binaries/Libraries

Host OS

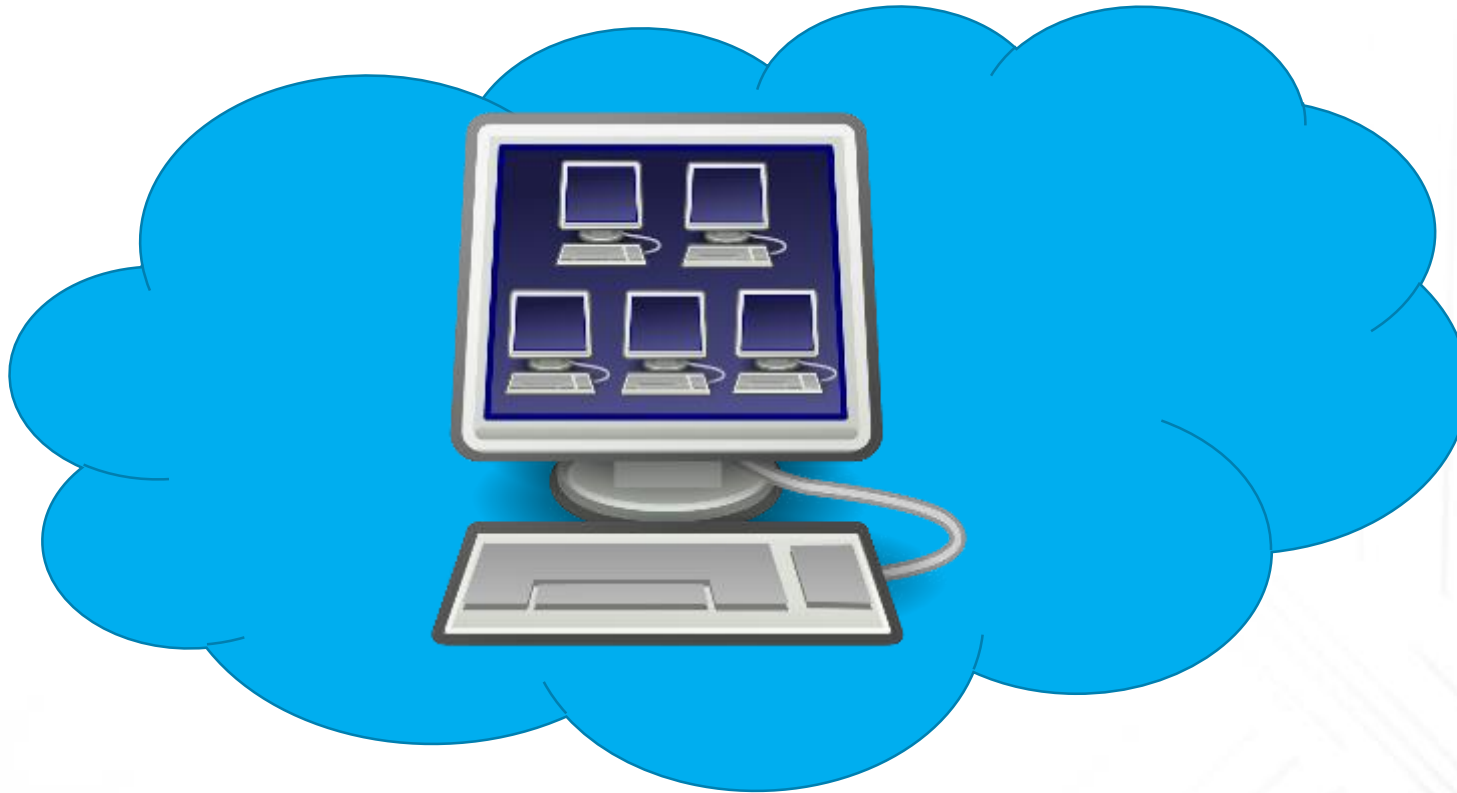
Hardware

Your Responsibility

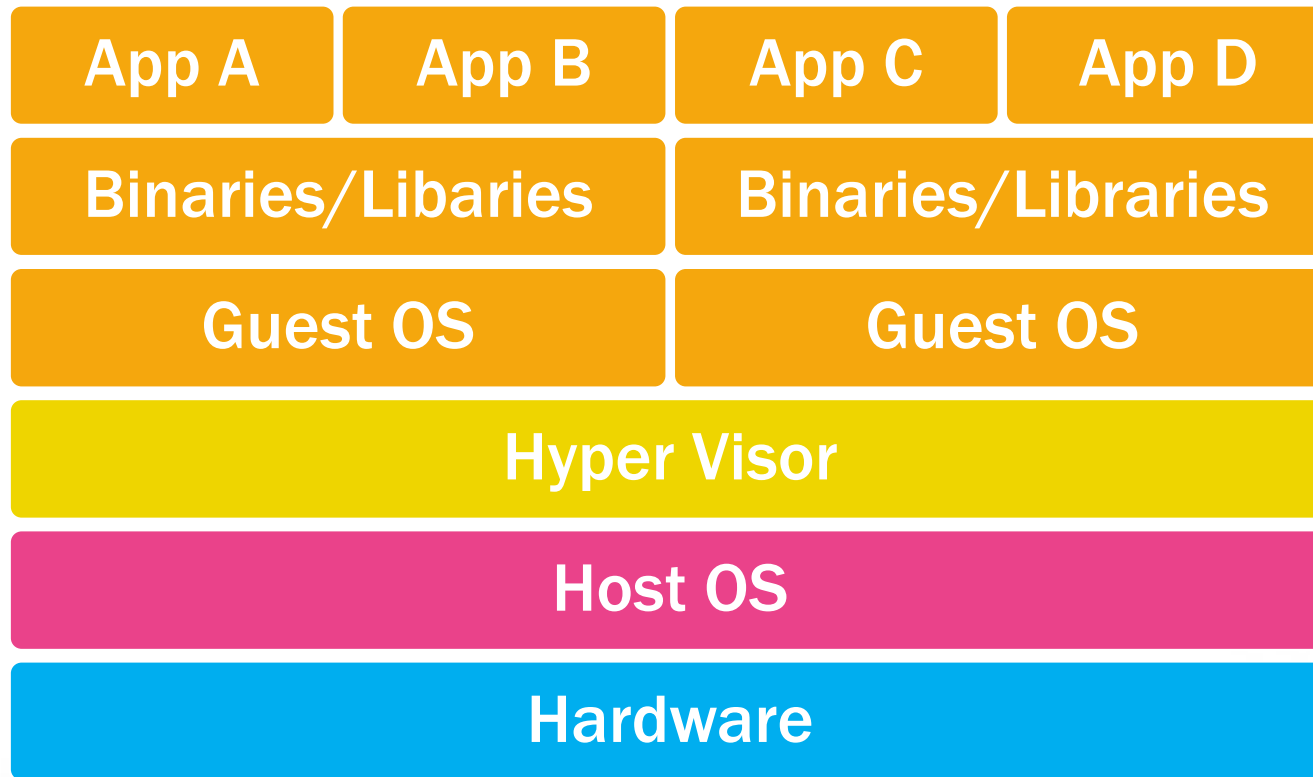
Virtual Machine



Virtual Machine... in the Cloud

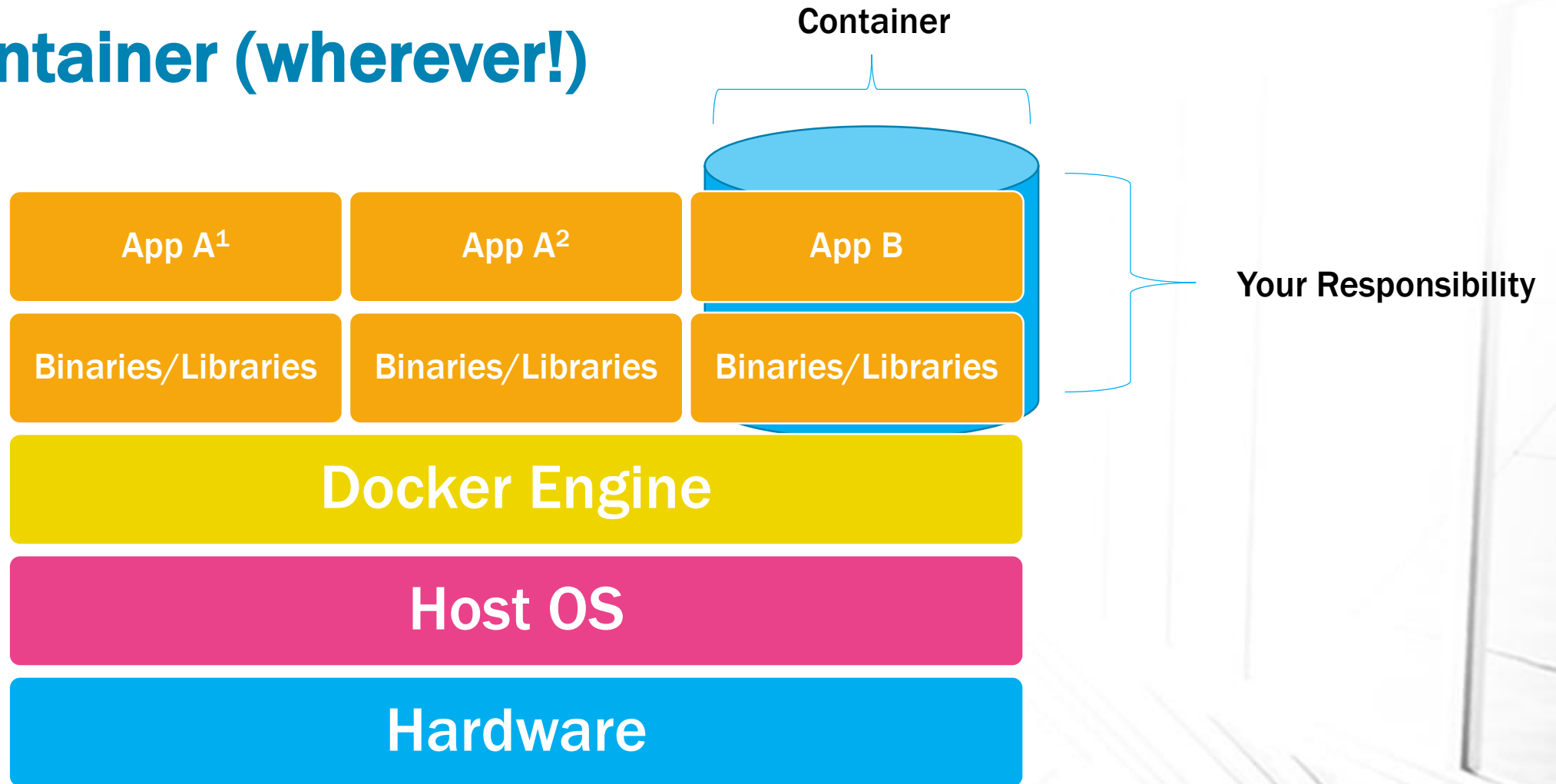


Virtual Machine... in the Cloud



Your Responsibility

Container (wherever!)



Docker is ...

Standardized
Unit of Software
Development


Code, runtime,
tools and
libraries in one
place

Shared host

Least privilege
and secure by
default

Why Docker?

- Standardized
- Lightweight
- Predictable
- Consistent
- Fast
- Scalable
- Elastic
- Resilient



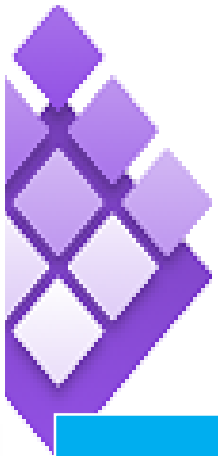
Logos for Amazon Web Services, Google Cloud Platform, and Microsoft Azure are displayed above a screenshot of a Docker repository page.

PUBLIC REPOSITORY
[jlikness/docker-contain-prez](#) ☆
Last pushed: 3 hours ago

Repo info Tags Collaborators Webhooks Settings

Tag Name	Compressed Size	Last Updated
travis-6	323 MB	3 hours ago
latest	323 MB	3 hours ago
e7b07382	323 MB	3 hours ago

Docker at Scale: Orchestration



DC

Mesos DC/OS



kubernetes

Kubernetes



Docker Swarm

Let's Get Started!

Now for the “Hands on” Part!

<https://github.com/JeremyLikness/docker-we-rise>

Thank You!

@JeremyLikness

<https://github.com/JeremyLikness>

<http://bit.ly/coderblog>

Questions?



<https://github.com/JeremyLikness/docker-we-rise>