

Introduction - RHEL Atomic host RHUG Québec

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Partenariat CGI – Red Hat



Partenariat CGI – Red Hat

- Niveaux de partnenariat:
 - Certified Cloud Provider
 - Service / Cloud Provider

Offrir la possibilité de l'utilisation des produits Red Hat dans nos infrastructure d'hébergement pour nos clients

- Red Hat Enterprise Linux
- Red Hat JBoss Middleware
- Red Hat Enterprise Virtualization
- Red Hat Storage Server





Introduction – RHEL Atomic Host



La force de l'engagement™

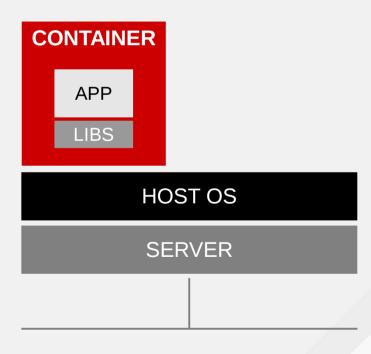
RED HAT ENTERPRISE LINUX ATOMIC HOST



WHAT ARE LINUX CONTAINERS?

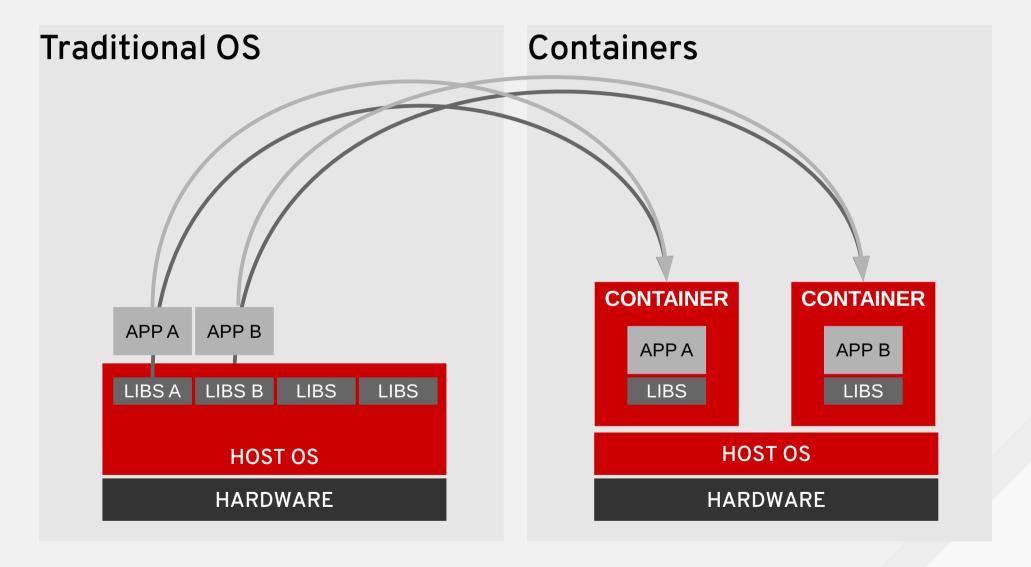
Software packaging concept that typically includes an application and all of its runtime dependencies.

- Easy to deploy and portable across host systems
- Isolates applications on a host operating system
- In RHEL, this is done through:
 - Control Groups (cgroups)
 - kernel namespaces
 - SELinux, sVirt
 - Docker





TRADITIONAL OS VS. CONTAINERS





ESTABLISHING STANDARDS AROUND...

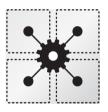
Red Hat works with the open source community to drive standards for containerization.



ISOLATION WITH LINUX CONTAINERS



CONTAINER FORMAT WITH DOCKER



ORCHESTRATION WITH KUBERNETES

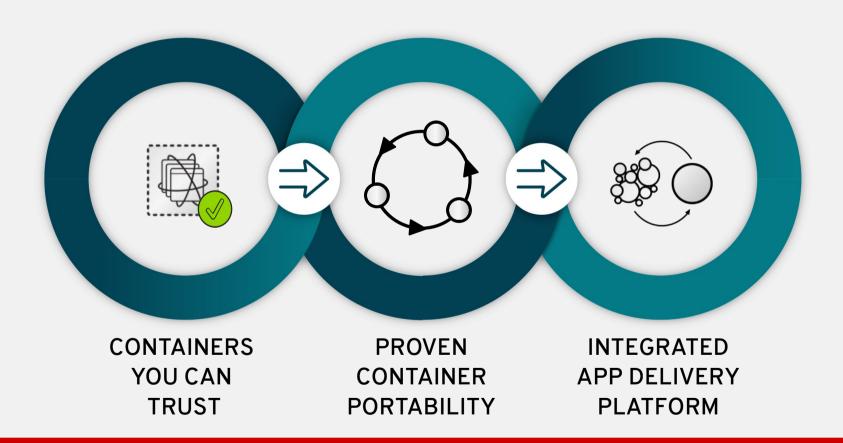


REGISTRY / CONTAINER
DISCOVERY



TRANSFORMING APP DELIVERY

CONTAINERS FOR THE ENTERPRISE



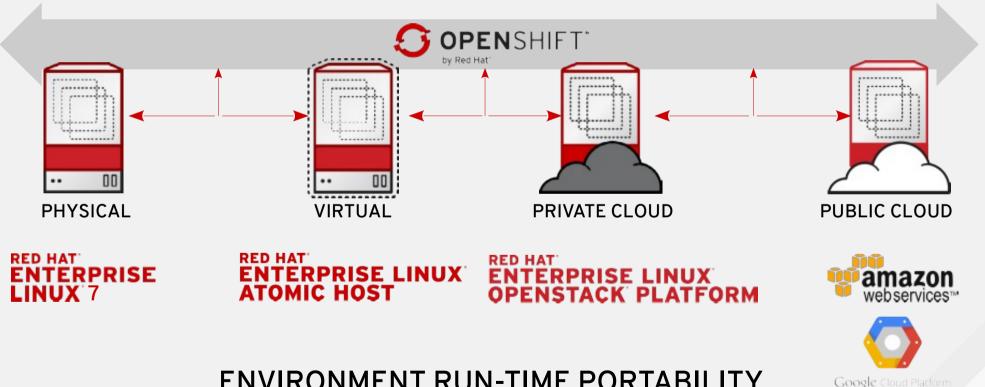
Red Hat transforms application delivery with the first credible hybrid cloud platform for container-based applications and services.



CONTAINER PORTABILITY

ACROSS PHYSICAL, VIRTUAL, PRIVATE CLOUD, PUBLIC CLOUD

APPLICATION LIFECYCLE PORTABILITY

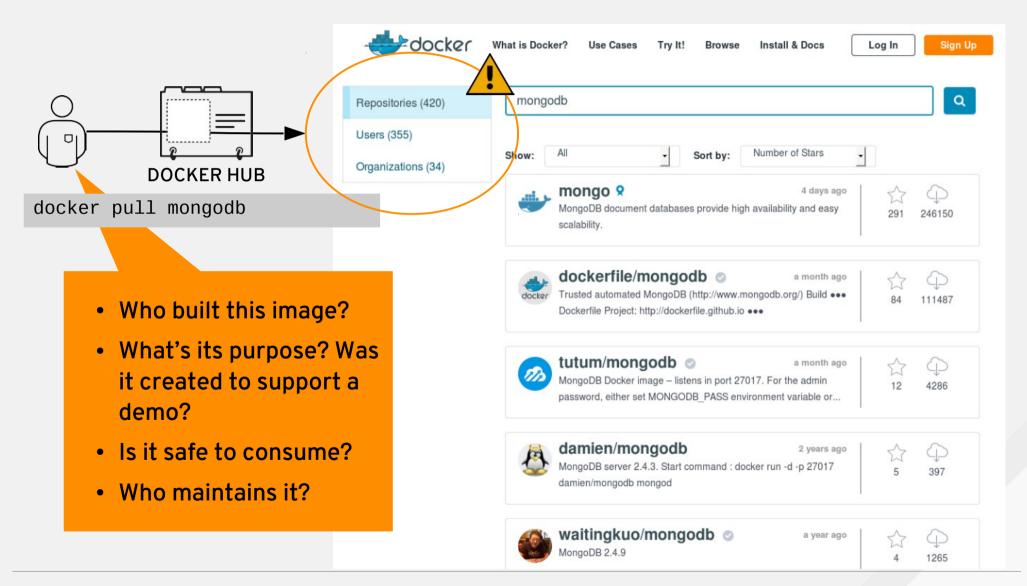


ENVIRONMENT RUN-TIME PORTABILITY





NEED FOR A "CHAIN OF TRUST"



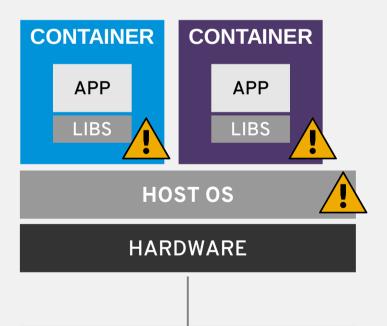


SECURING HOSTS AND CONTAINERS

RED HAT CONTAINER CERTIFICATION

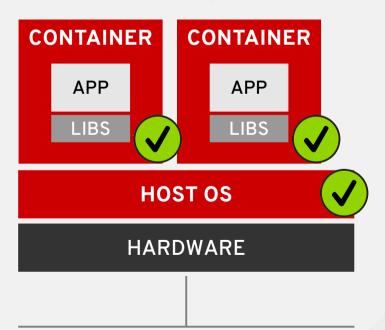
UNTRUSTED

- How can you validate what's in the host and the containers? Will it compromise your infrastructure?
- It "should" work from host to host, but can you be sure?



CERTIFIED

- Trusted source for the host and the containers
- Enterprise life cycle for container content
- Proven portability
- Container Development Kit





SIMPLIFYING CONTAINER ADOPTION FOR PARTNERS

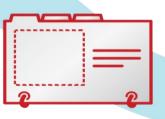
RED HAT CONNECT for technology partners RED HAT CONTAINER DEVELOPMENT KIT (CDK) RED HAT CONTAINER CERTIFICATION

RED HAT CONTAINER REGISTRY









LEARN

BUILD

CERTIFY

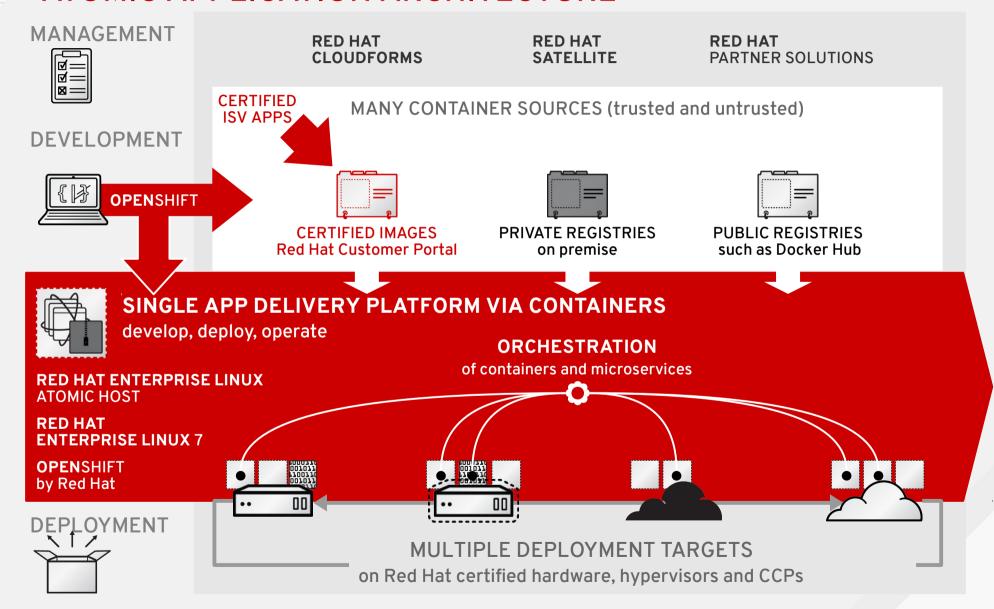
DISTRIBUTE





MORE THAN THE CONTAINER

ATOMIC APPLICATION ARCHITECTURE







Nous réalisons chaque mandat dans un seul but : contribuer au succès de nos clients.



CGI