

Drive innovation with Containers

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Enable Innovation: DEVOPS?

Everything as code

Application monitoring

Automate everything

Rapid feedback

Continuous Integration/Delivery

Rebuild vs. Repair

Application is always “releaseable”

Delivery pipeline

Containers Transform



Monolith



N-Tier



Microservices



Datacenter



Hosted



Hybrid



Waterfall



Agile



DevOps

Applications

Infrastructures

Processes

What Are Containers?



It Depends on Who You Ask

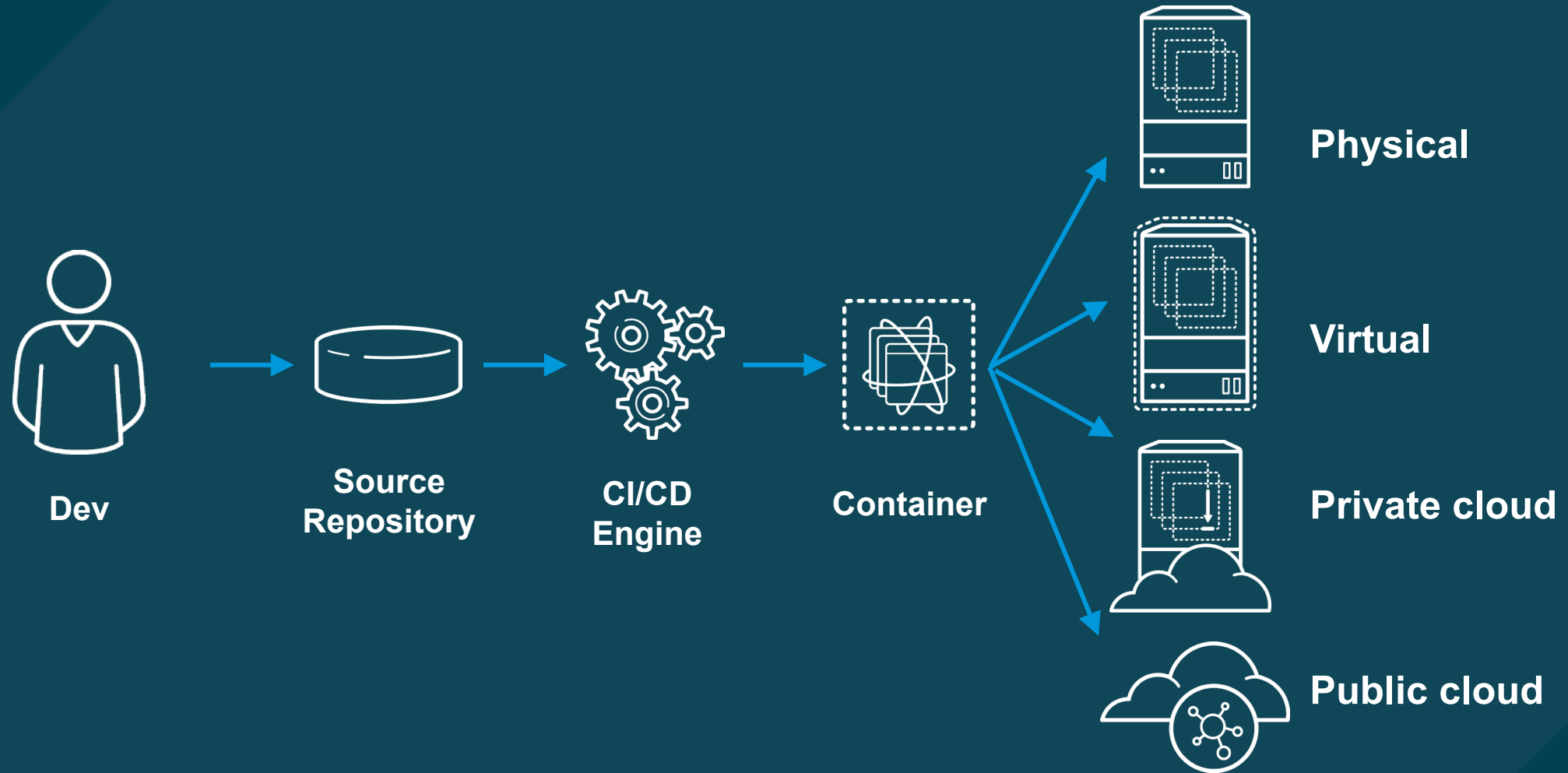
Sys-Admins / Ops

- Sandboxed application processes on a shared OS
- Simpler, lighter, and denser than virtual machines
- Portable across different environments

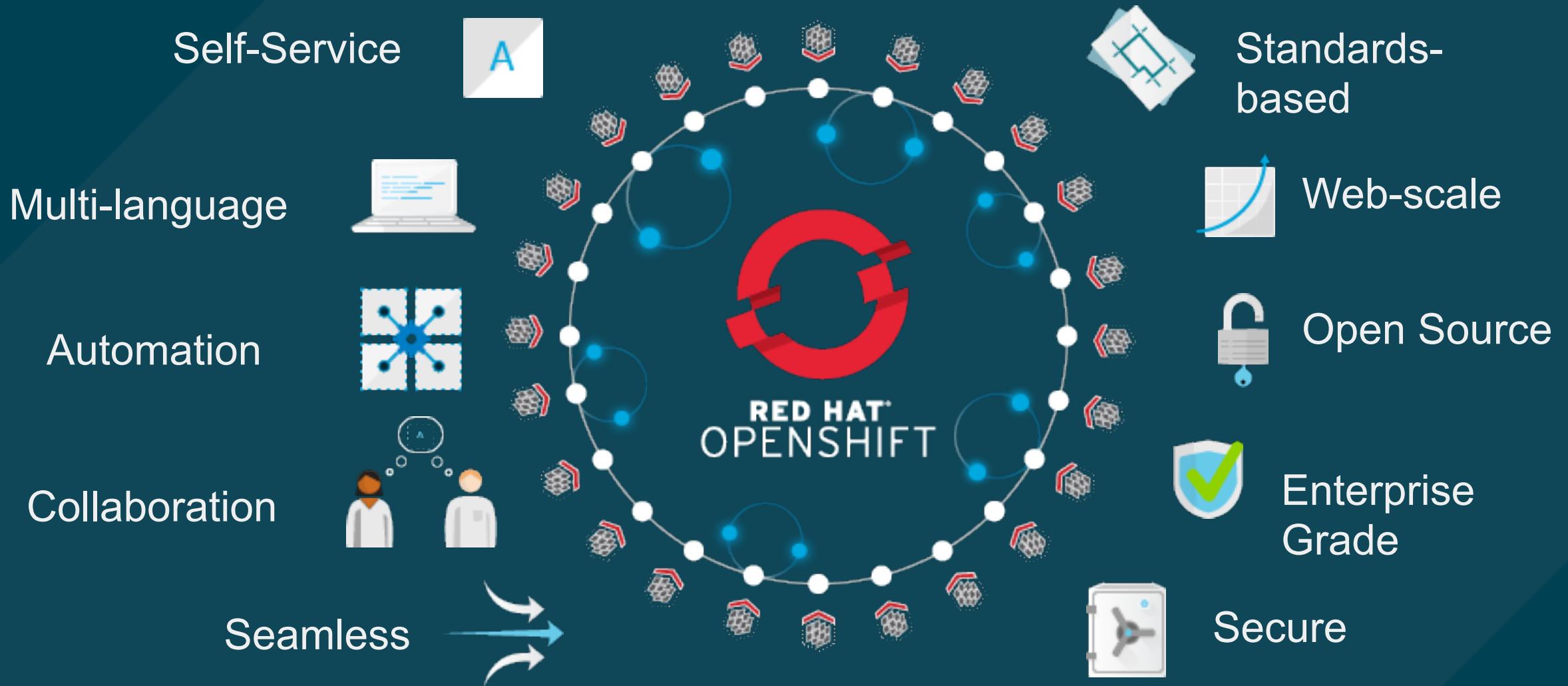
Developers

- Package my application and all of its dependencies
- Deploy to any environment in seconds and enable CI/CD
- Easily access and share containerized components

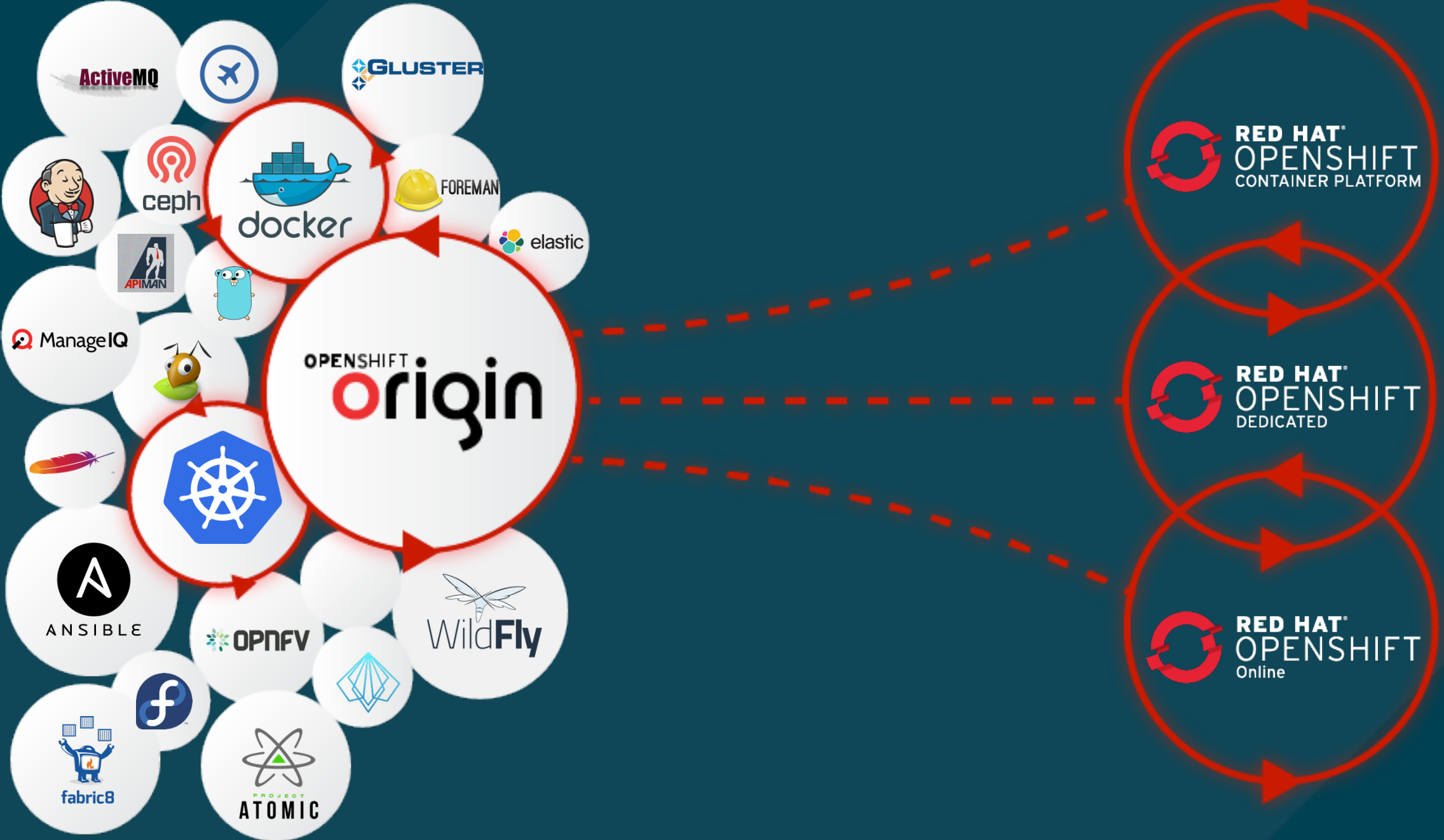
DevOps With Containers Across the Hybrid Cloud?



Critical features for both Dev and Ops

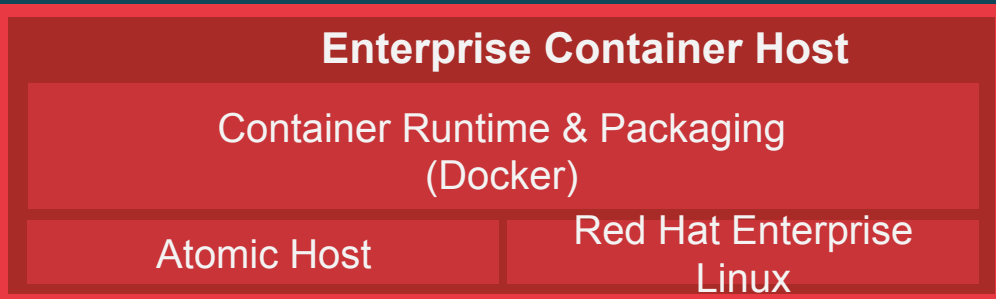
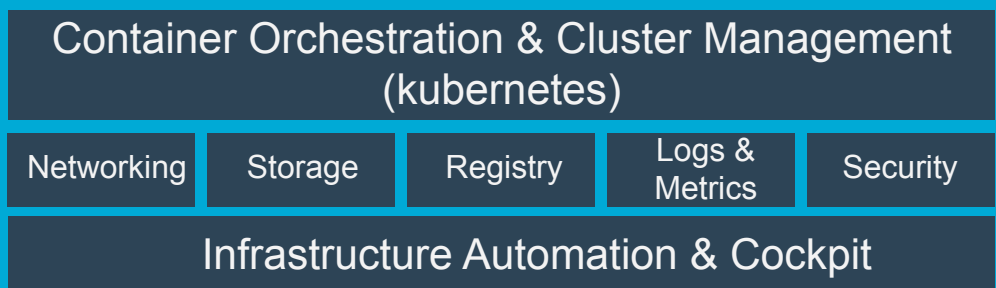
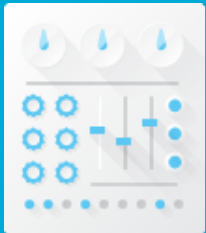
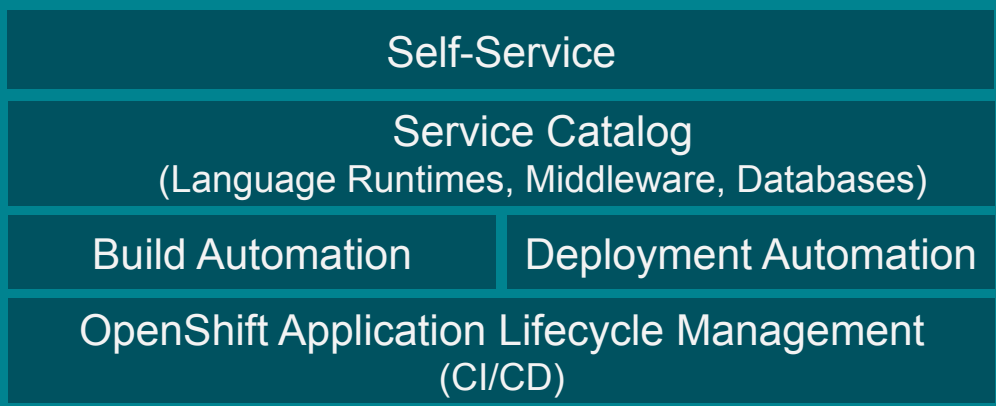


Community Powered Innovation



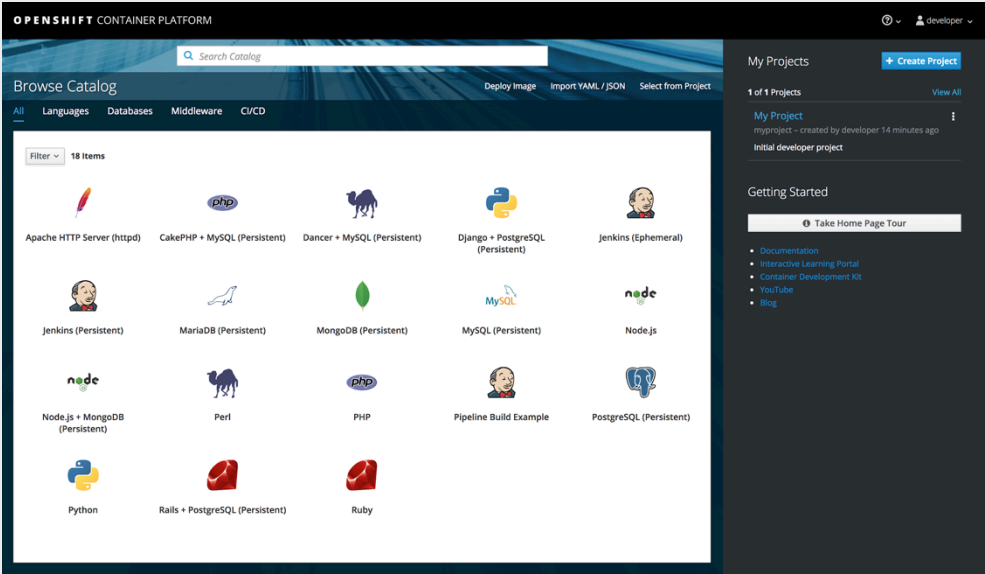
Traditional, Stateful, and Microservices-based Apps

Business Automation	Integration	Data & Storage	Web & Mobile
Container	Container	Container	Container

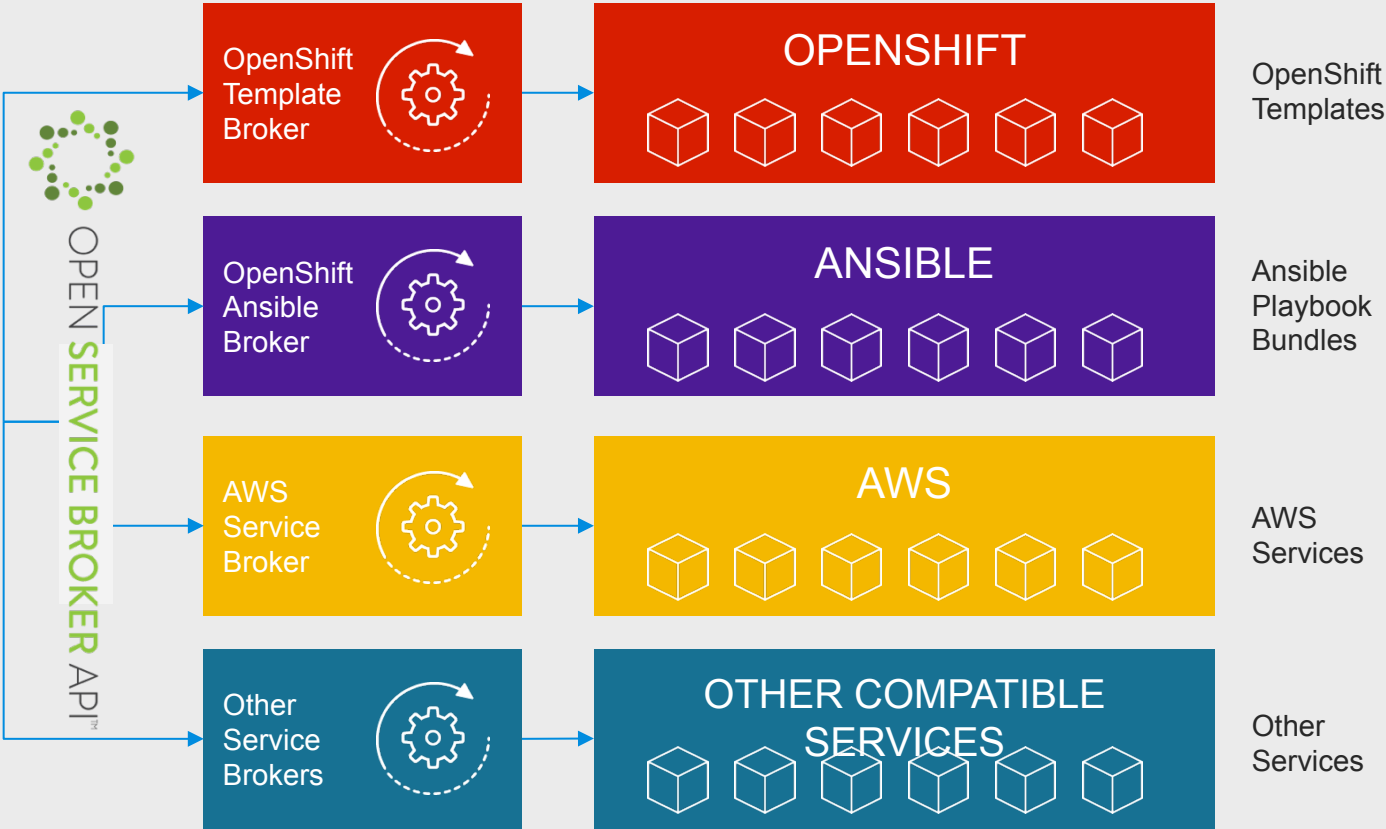


JBOSS EAP
JBOSS DATA GRID
JBOSS DATA VIRTUALIZATION
JBOSS AM-Q
JBOSS BRMS
JBOSS BPM
JBOSS FUSE
RED HAT MOBILE
3 Scale

OPENSIFT SERVICE CATALOG



OPENSIFT SERVICE CATALOG



TRUE POLYGLOT PLATFORM

LANGUAGES	Java	NodeJS	Python	PHP	Perl	Ruby	.NET Core	Third-party Language Runtimes	
DATABASES	MySQL	PostgreSQL	MongoDB	Redis	...and virtually any docker image out there!			Third-party Databases	CrunchyData GitLab Iron.io Couchbase Sonatype EnterpriseDB NuoDB Fujitsu and many more
WEB SERVERS	Apache HTTP Server	nginx	Varnish	Phusion Passenger	Tomcat	Third-party App Runtimes			
MIDDLEWARE	Spring Boot	Wildfly Swarm	Vert.x	JBoss Web Server	JBoss EAP	JBoss A-MQ	JBoss Fuse	Third-party Middleware	
	3SCALE API mgmt	JBoss BRMS	JBoss BPMS	JBoss Data Virt	JBoss Data Grid	RH Mobile	RH SSO	Third-party Middleware	

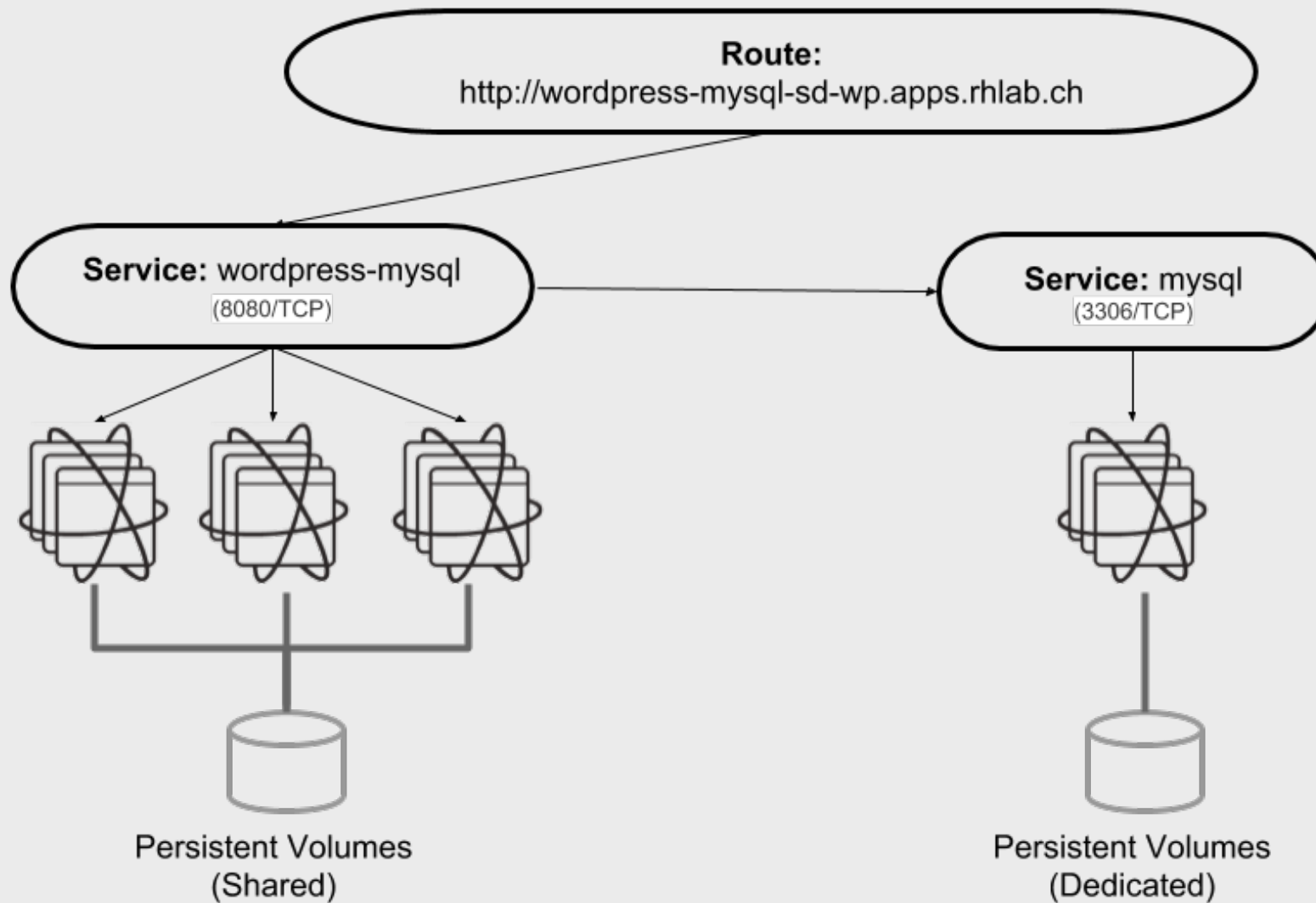


OpenShift Wordpress Demo

Minishift: <https://www.openshift.org/minishift/>

Wordpress Demo: <https://github.com/sa-ch/openshift-wordpress>

Wordpress Deployment Demo on Minishift



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