Accelerating IT Service Delivery

OpenShift Enterprise

CloudForms

Red Hat Enterprise Virtualization

James Labocki
Technical Product Marketing
Red Hat

Agenda

Review

Goals

Solution

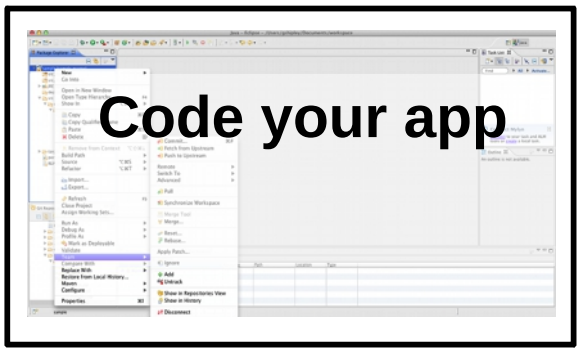
Building It

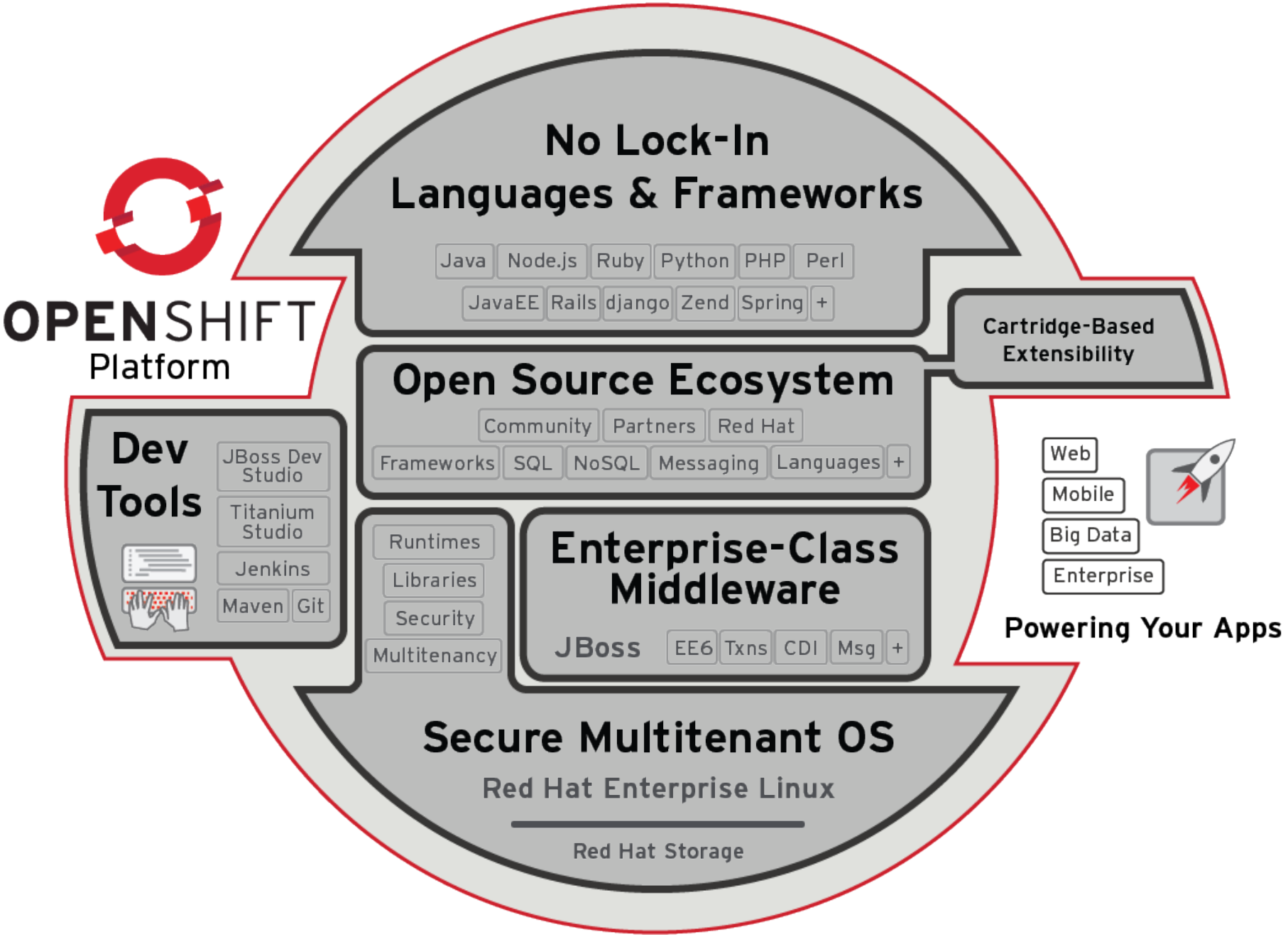
Demonstration

PaaS = Platform as a Service

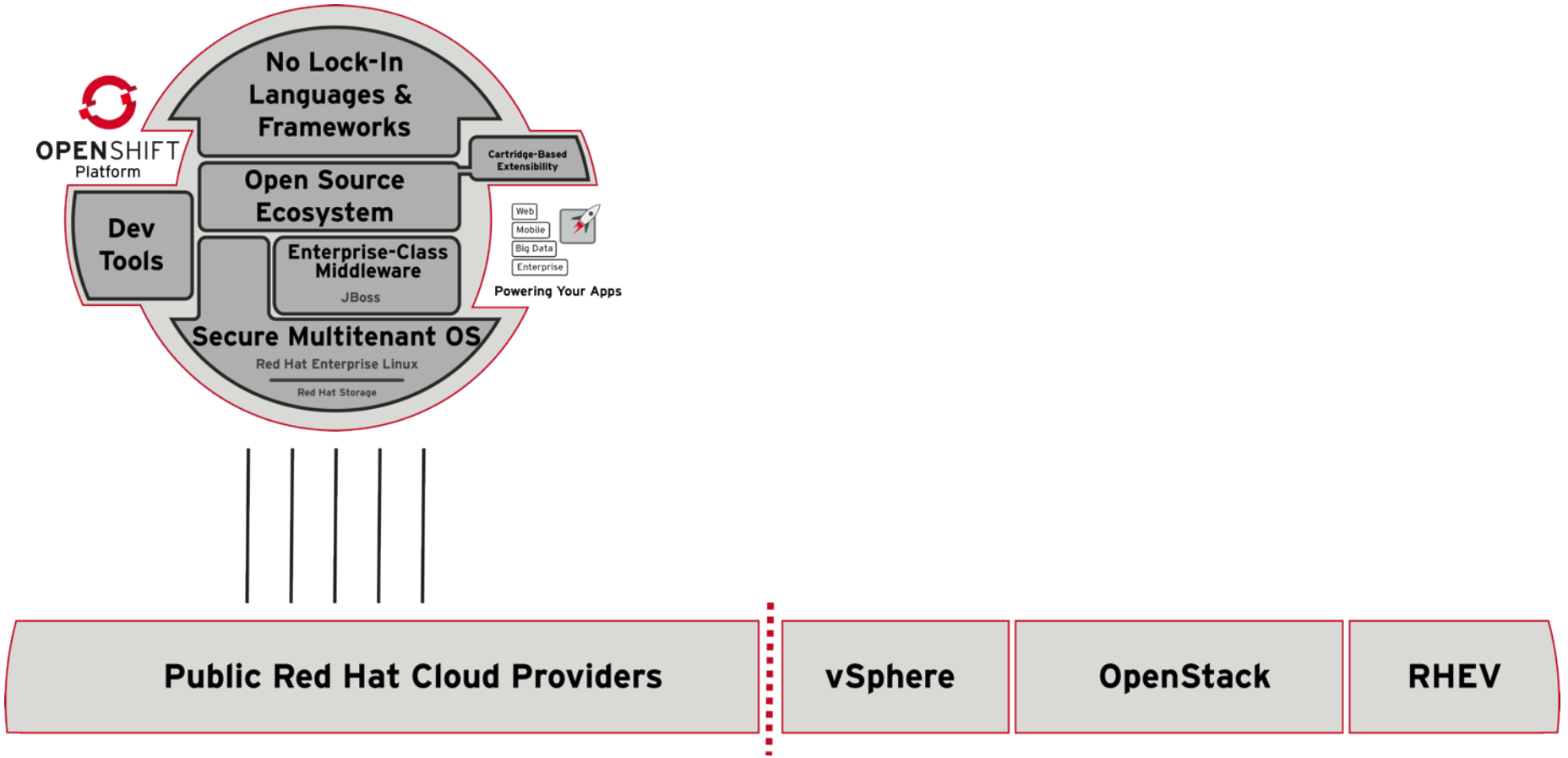
A Cloud Application Platform

Code | Deploy | Enjoy

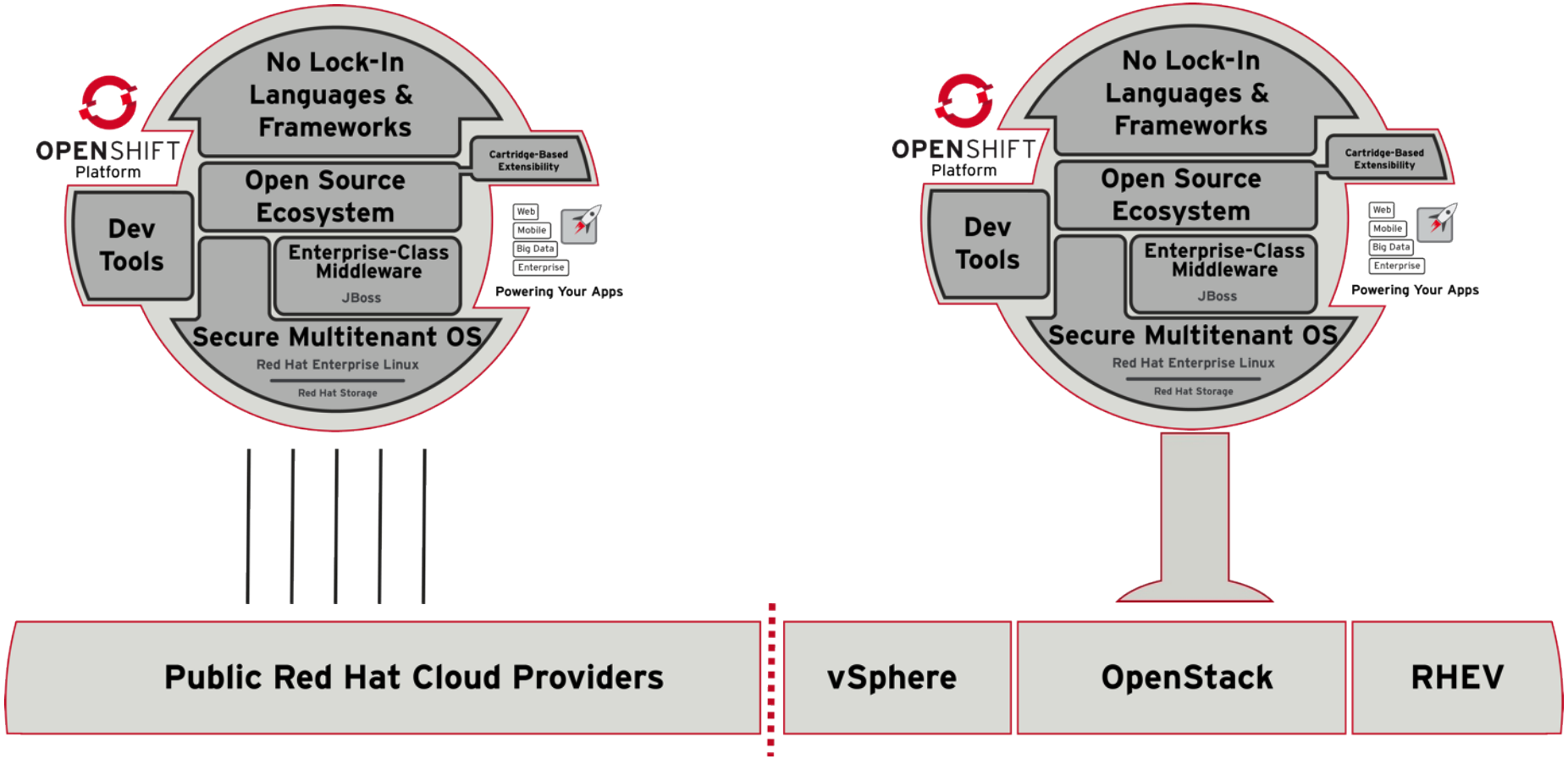



OPENSHIFT
Platform
No Lock-In
Languages & Frameworks
Java
Node.js
Ruby
Python
PHP
Perl
JavaEE
Rails
django
Zend
Spring
+
Cartridge-Based
Extensibility
Open Source Ecosystem
Community
Partners
Red Hat
Frameworks
SQL
NoSQL
Messaging
Languages
+
Dev
Tools
JBoss Dev
Studio
Titanium
Studio
Jenkins
Maven
Git
Runtimes
Libraries
Security
Multitenancy
Enterprise-Class
Middleware
JBoss
EE6
Txns
CDI
Msg
+
Web
Mobile
Big Data
Enterprise
Powering Your Apps
Secure Multitenant OS
Red Hat Enterprise Linux
Red Hat Storage

OpenShift Online

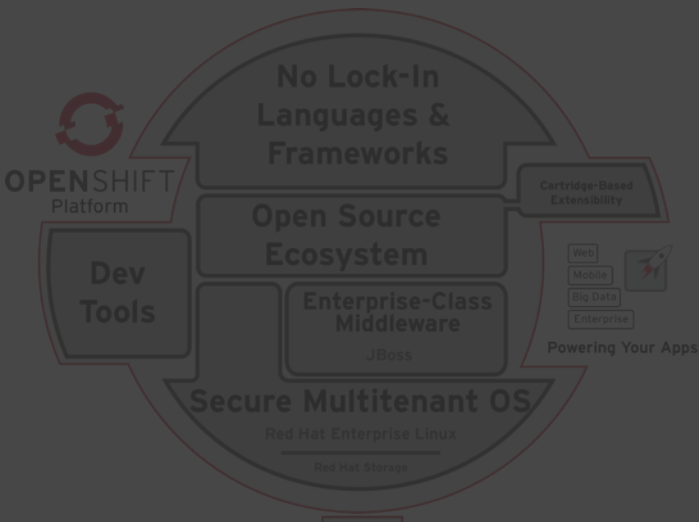


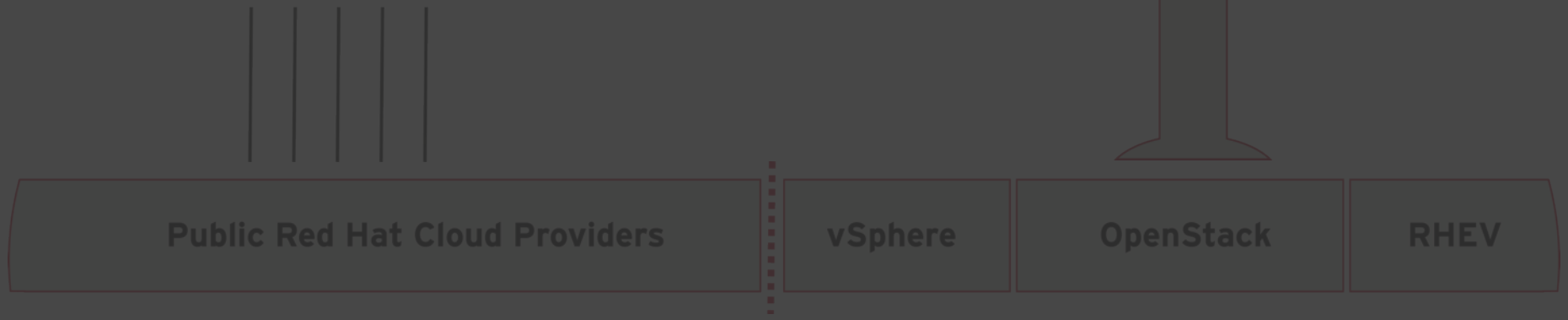
OpenShift Enterprise



OpenShift Enterprise

Manage?

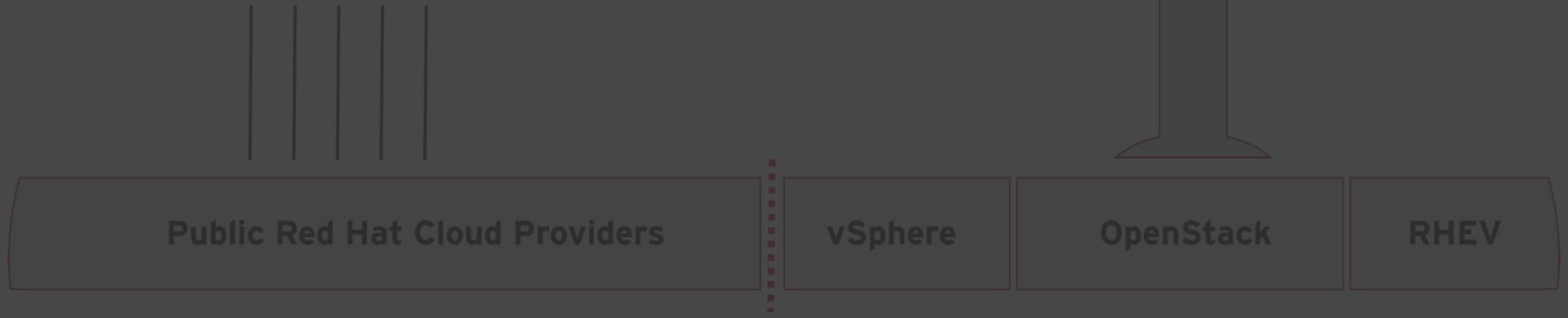




OpenShift Enterprise

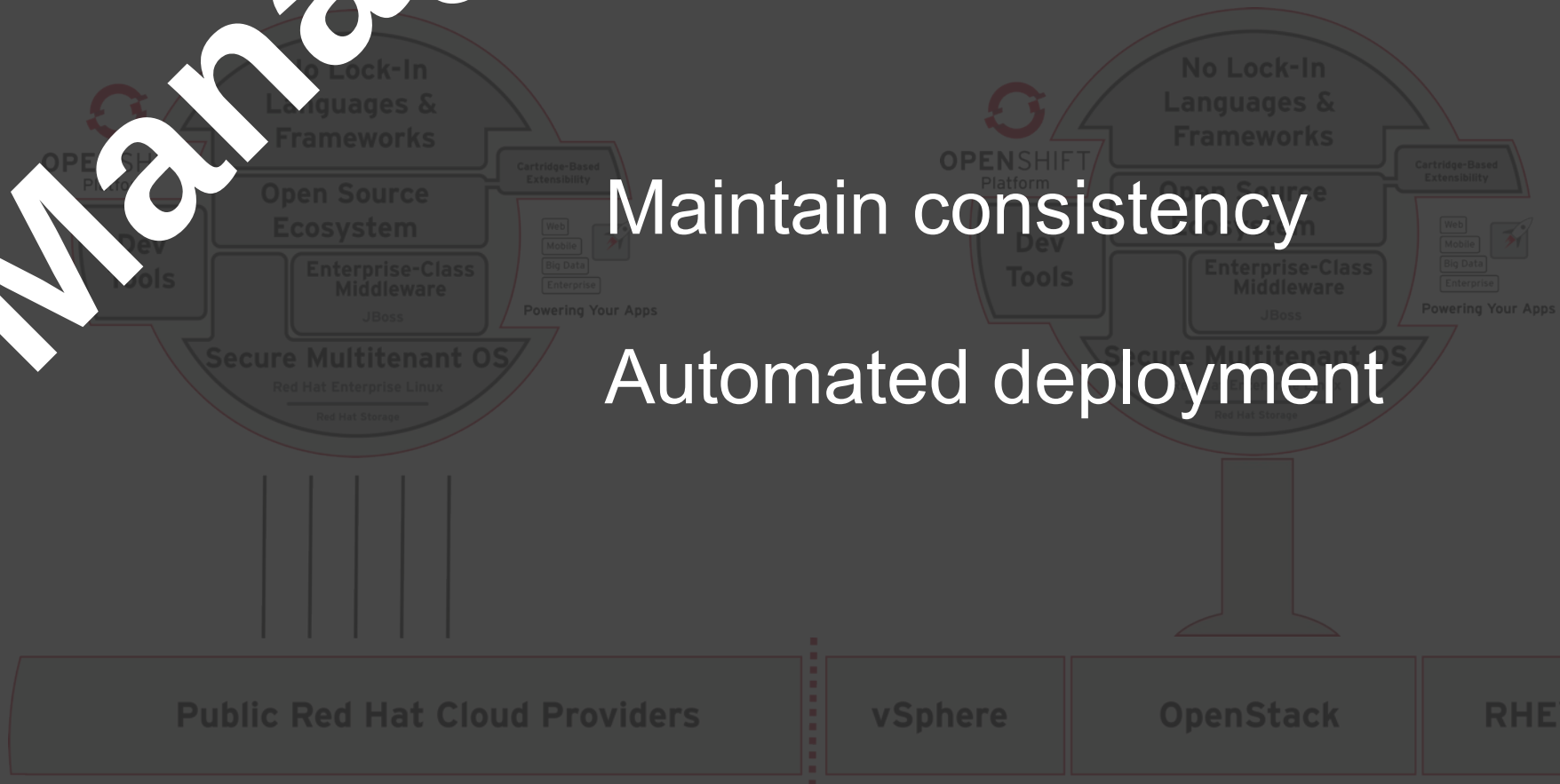
Manage?

Maintain consistency



OpenShift Enterprise

Manage?

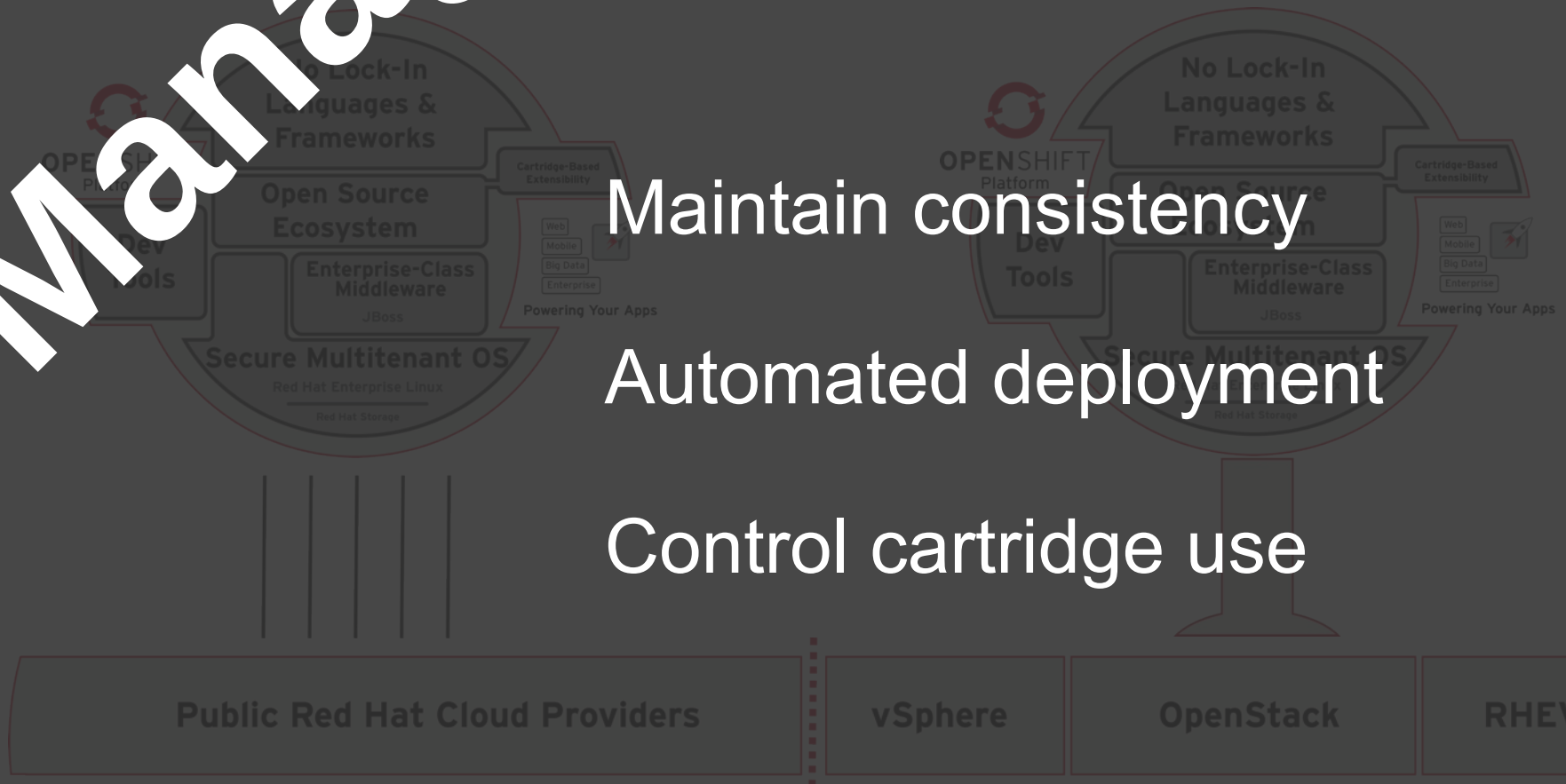


Maintain consistency

Automated deployment

OpenShift Enterprise

Manage?

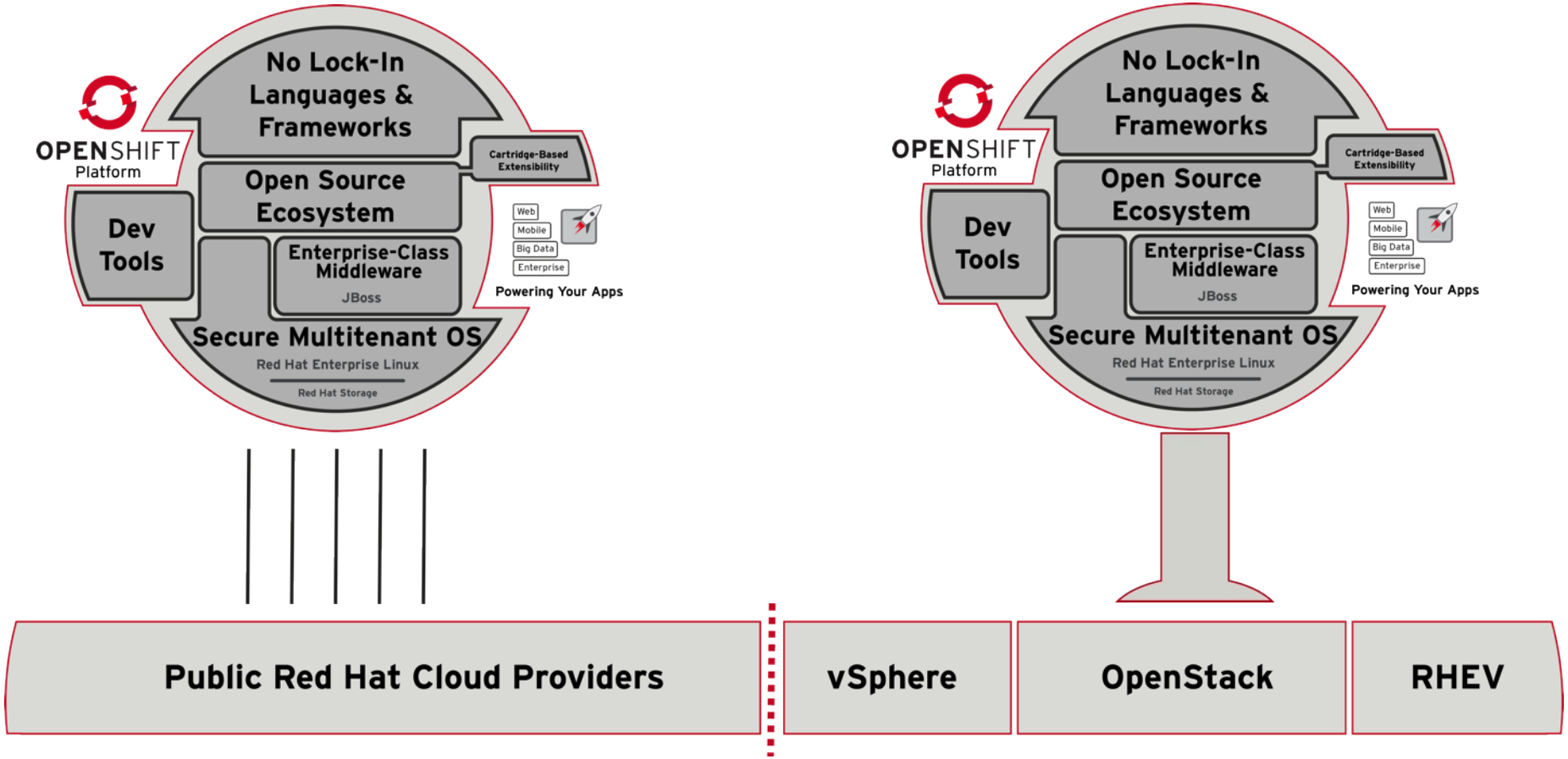


Maintain consistency

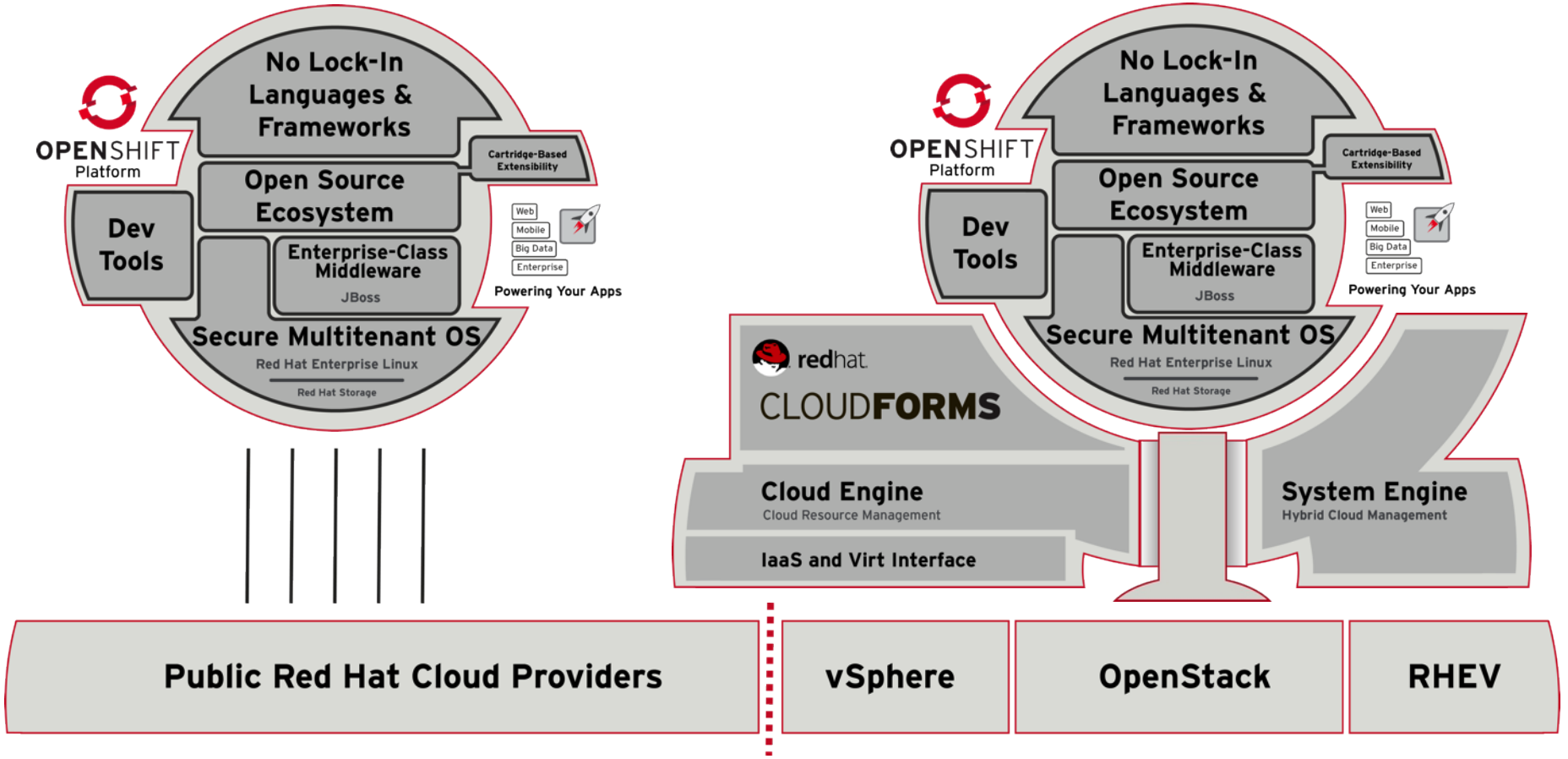
Automated deployment

Control cartridge use

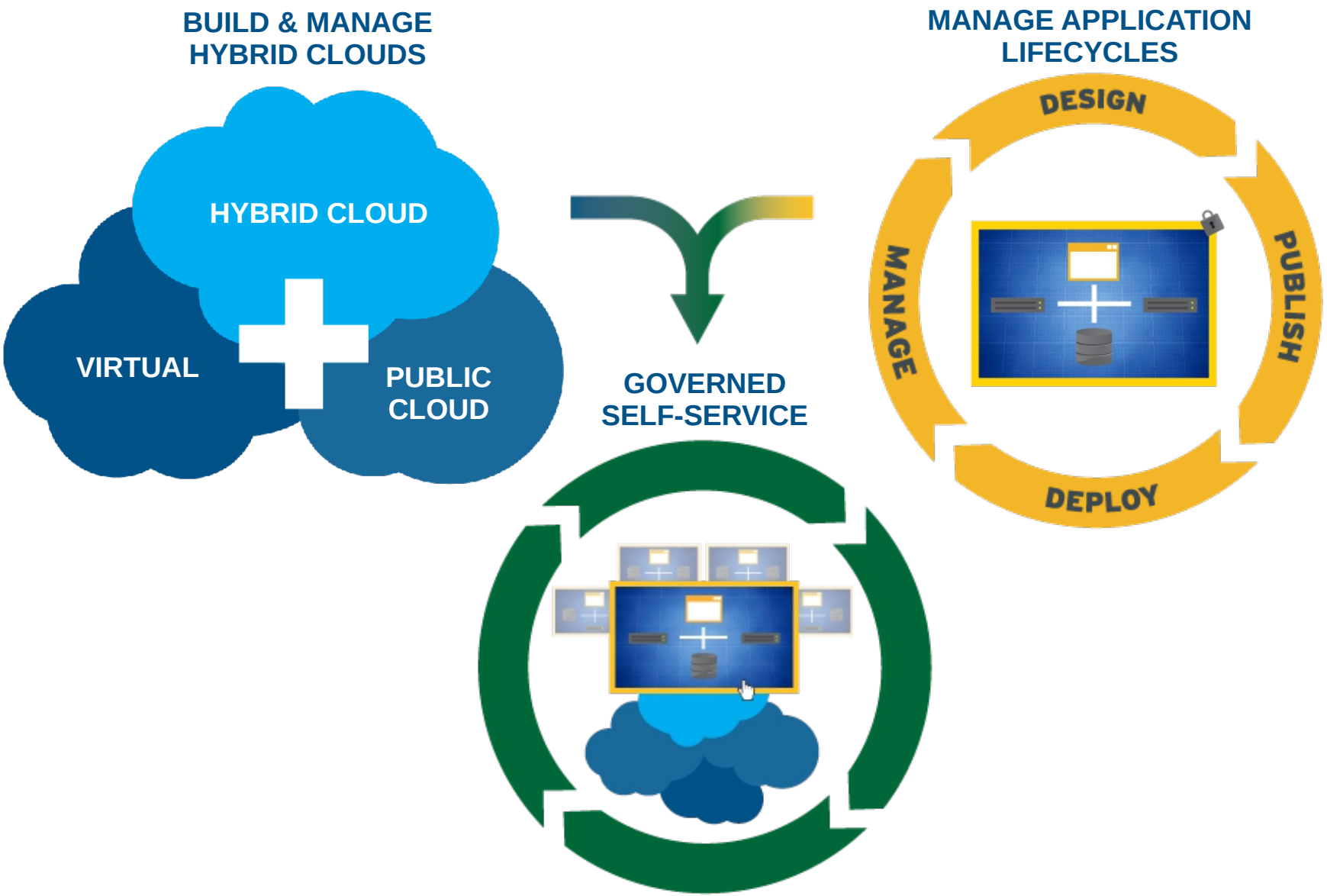
OpenShift Enterprise



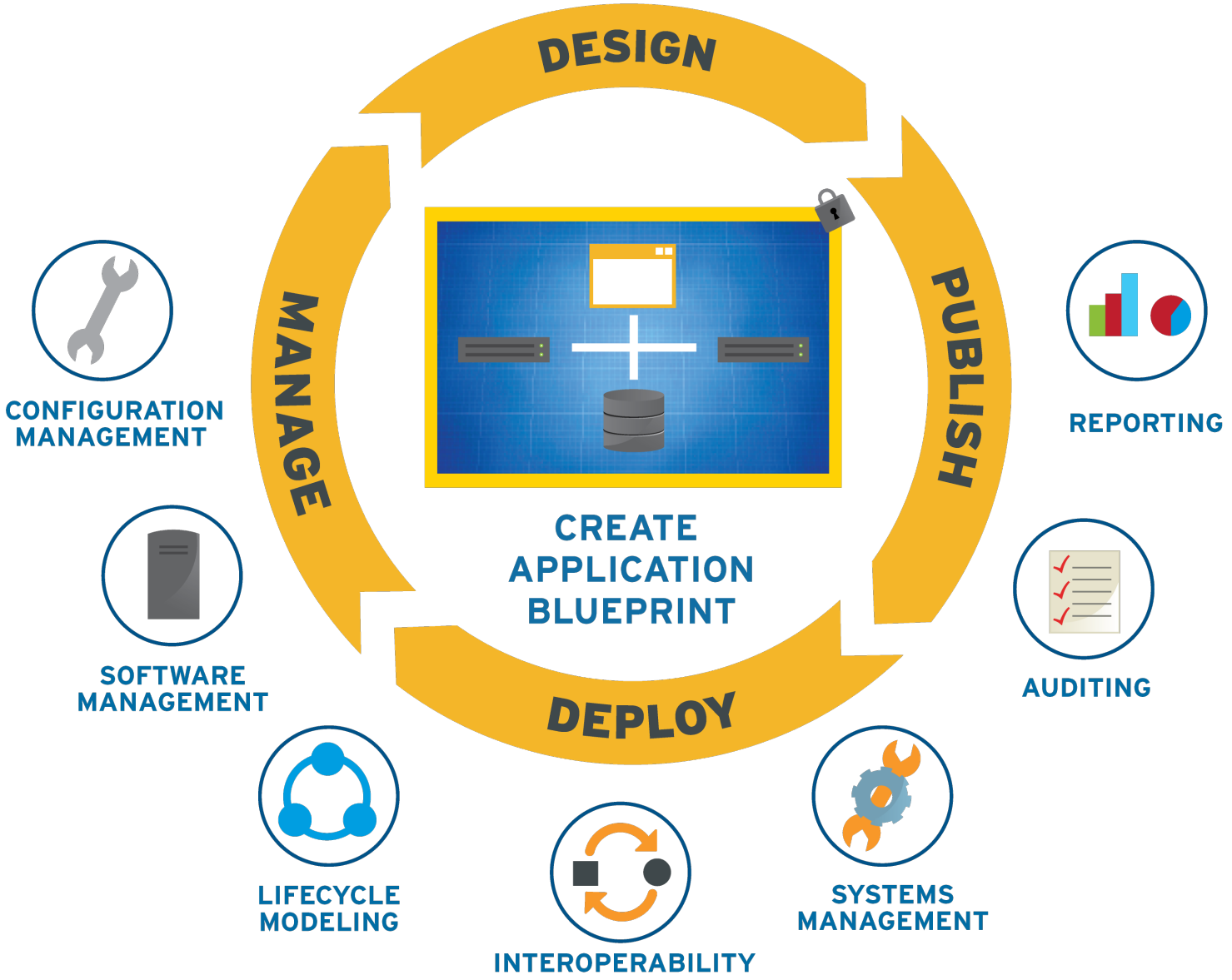
CloudForms Provides Portability



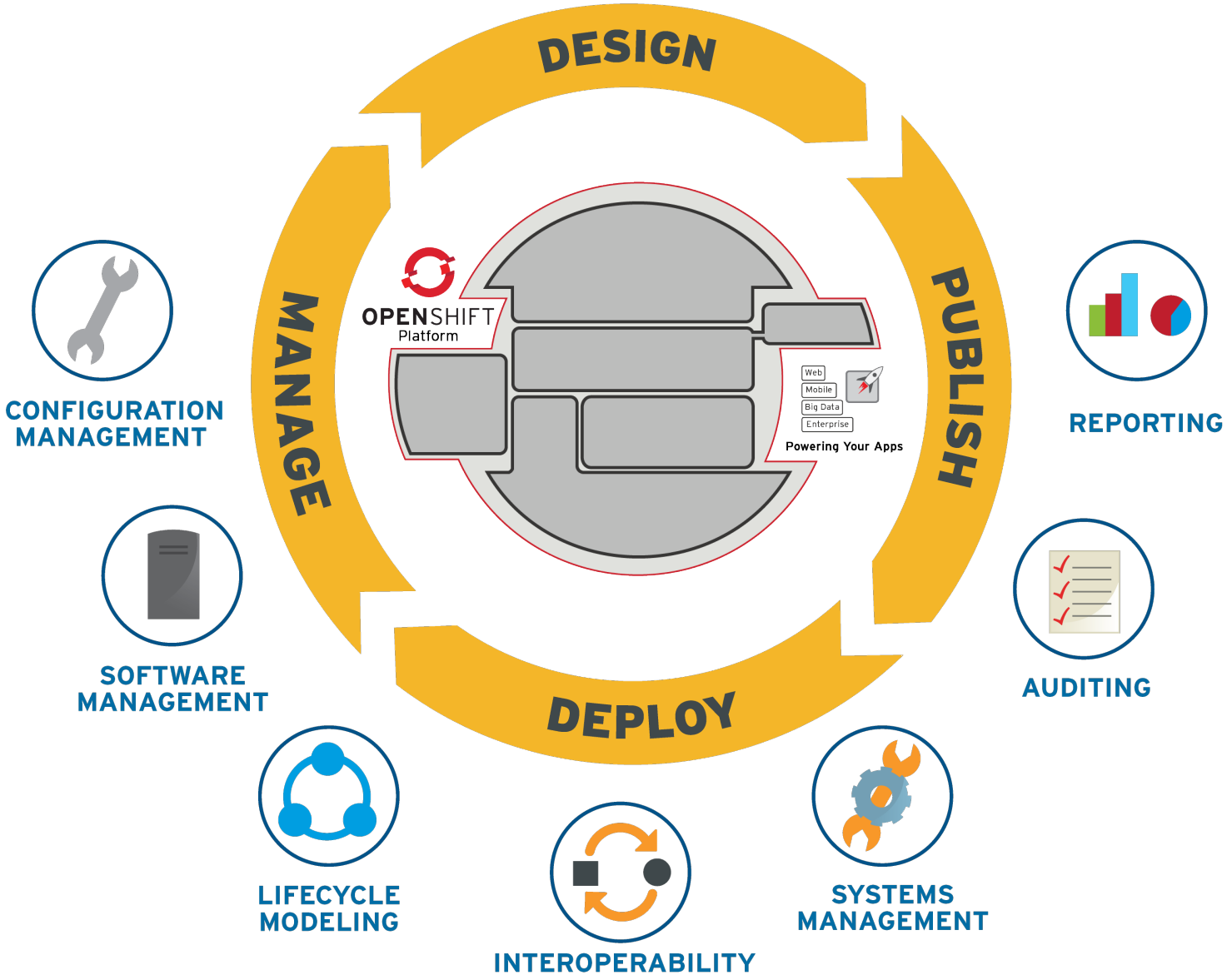
CloudForms


BUILD & MANAGE
HYBRID CLOUDS
HYBRID CLOUD
VIRTUAL
PUBLIC
CLOUD
GOVERNED
SELF-SERVICE
MANAGE APPLICATION
LIFECYCLES
DESIGN
PUBLISH
DEPLOY
MANAGE

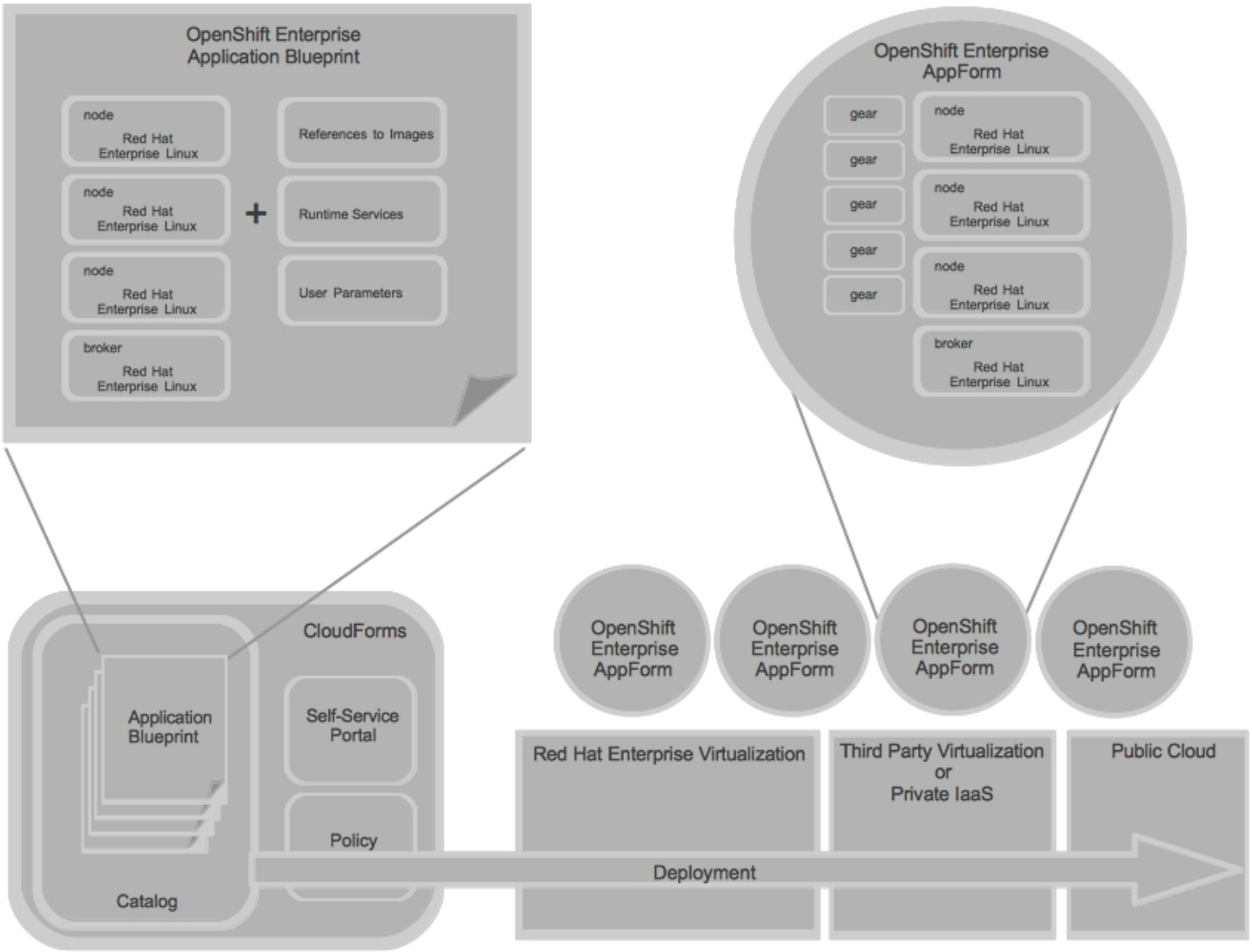
CloudForms: Application Blueprints



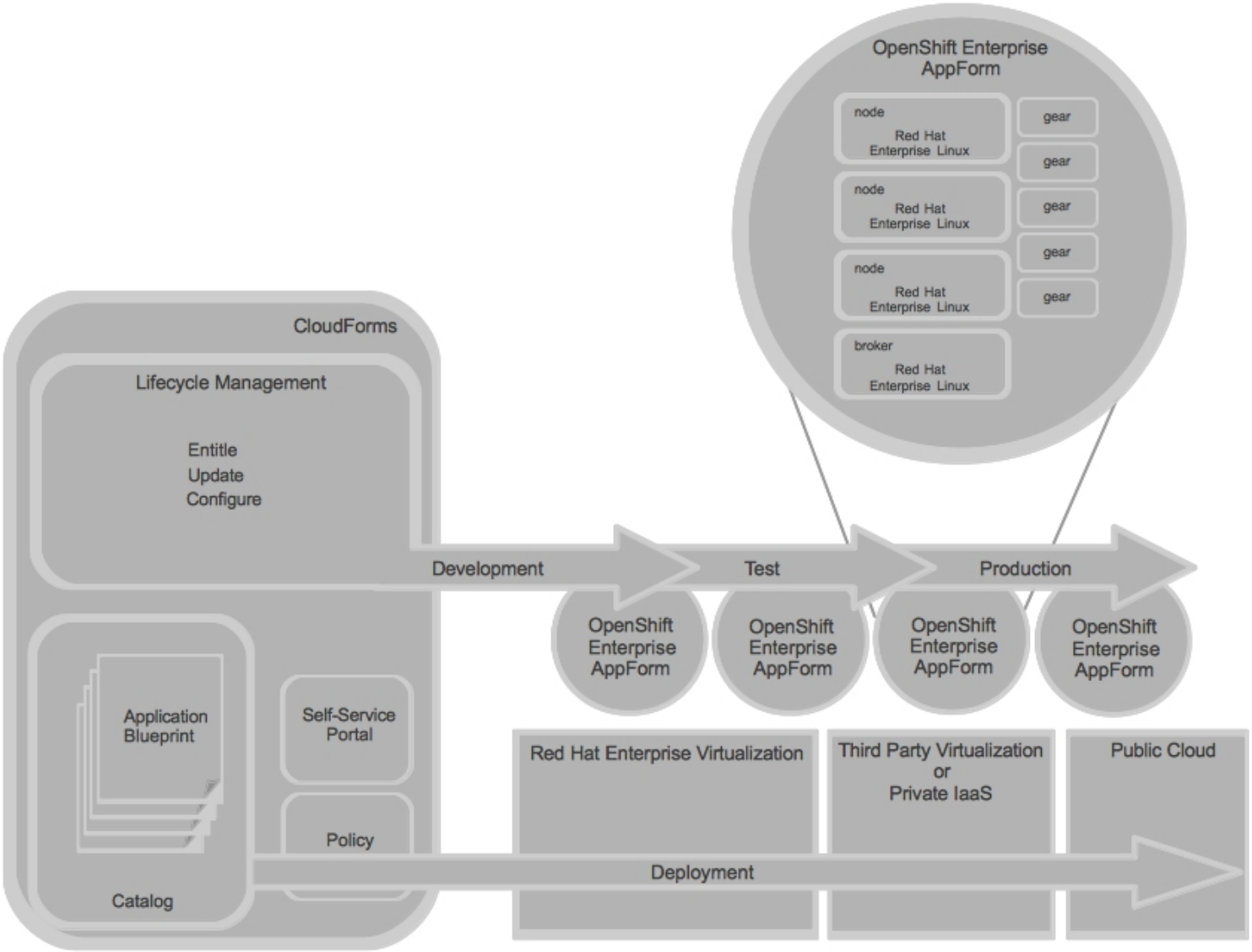
CloudForms: Application Blueprints



CloudForms: Application Blueprints



CloudForms: Lifecycle Management



Demonstration

Deploying and Managing OpenShift Enterprise via CloudForms

- Already Performed
  - RHEV, vSphere, and Amazon EC2 setup
  - Created OpenShift Enterprise application blueprint
- Demo
  - OpenShift Administrator deploy Broker and Node
  - Developer create new application
  - OpenShift Administrator install new cartridge
  - Developer utilize new cartridge

Summary

- Developers
  - On-demand, broad choice, tooling
- OpenShift Administrator
  - Management of OpenShift Enterprise
- CloudForms Administrator
  - Compliance maintained – choice of infrastructure maintained
- RHEV Administrator
  - Industry leading performance and security for virtual infrastructure

Learn More

http://www.redhat.com/promo/opencloud