

**RED HAT  
SUMMIT**

**BOSTON, MA  
JUNE 23-26, 2015**

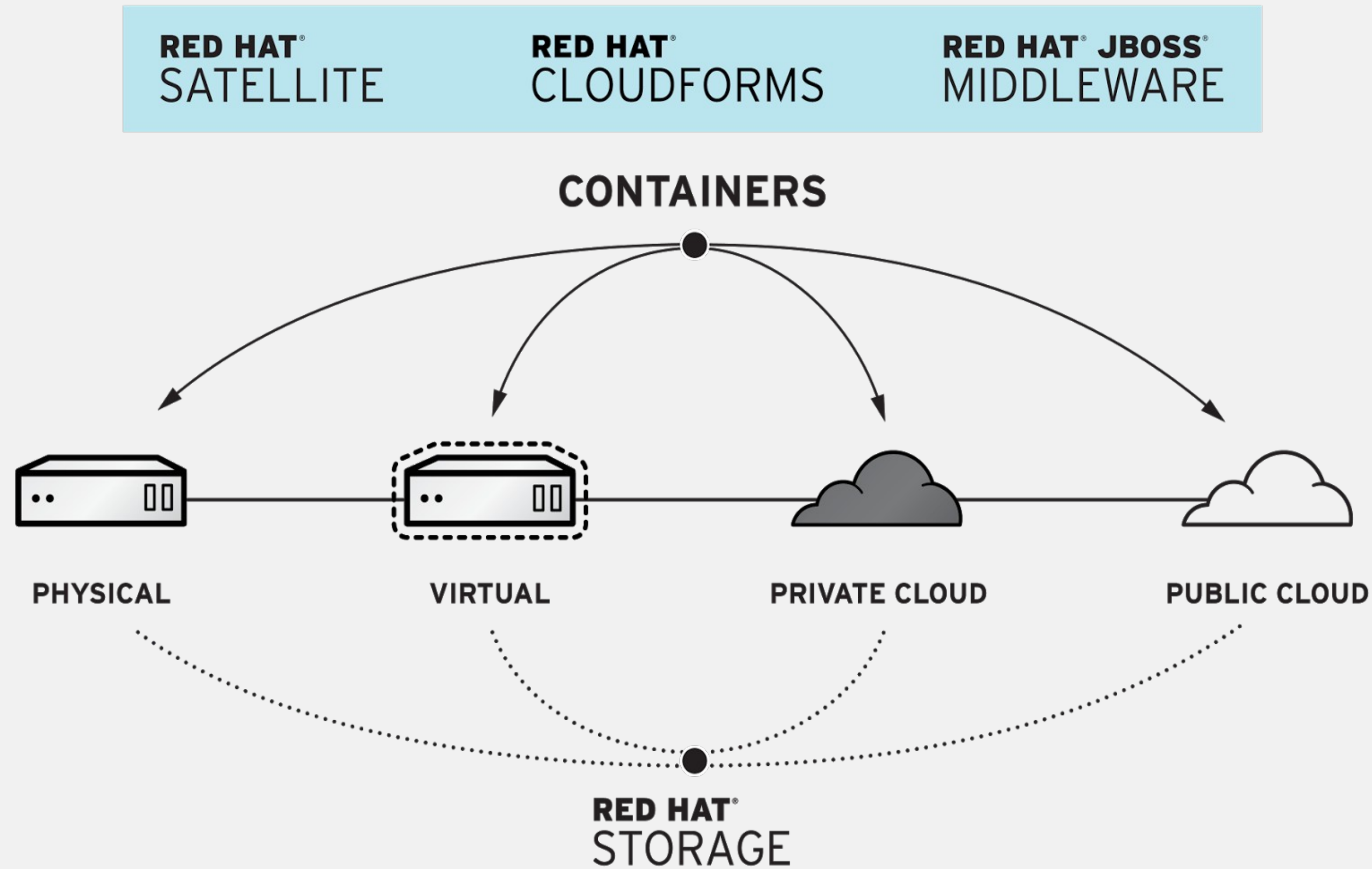
# **RED HAT CONTAINERS ROADMAP**

## **Portfolio Perspective**

Ron Pacheco  
Director, Product Management

June 25, 2015

# RED HAT'S VISION: OPEN HYBRID CLOUD





# PANEL OF EXPERTS

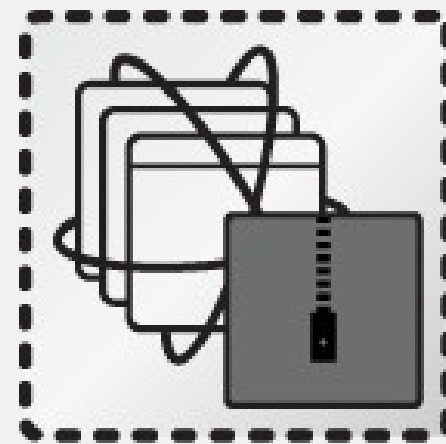
- Subhendu Ghosh, Product Technologist, Red Hat Enterprise Linux
- Mike McGrath, Principal Architect, Containers Engineering
- Ken Johnson, Product Management, JBoss Middleware
- Nick Barcet, Product Management, OpenStack
- Xavier Lecauchois, Product Management, Management Software
- Ron Pacheco, Product & Technology Strategy, Platforms Business

# CREATING DEFACTO STANDARDS

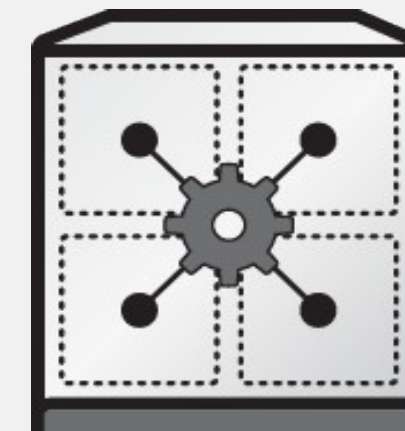
Red Hat works with the open source community to drive standards for containerization.



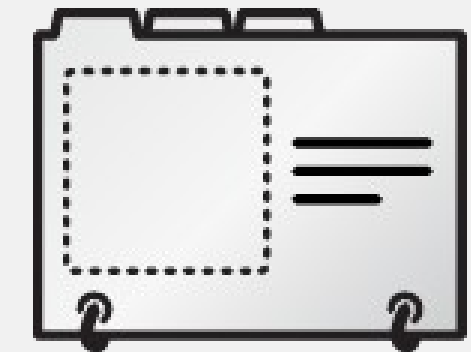
ISOLATION WITH  
LINUX CONTAINERS



CONTAINER FORMAT  
WITH DOCKER



ORCHESTRATION WITH  
KUBERNETES



CONTAINER DISCOVERY  
VIA REGISTRY

# ECOSYSTEM ENABLEMENT

Simplifying Container Adoption

RED HAT CONNECT  
for technology  
partners

RED HAT CONTAINER  
DEVELOPMENT  
KIT (CDK)

RED HAT  
CONTAINER  
CERTIFICATION

CONTAINER  
REGISTRY



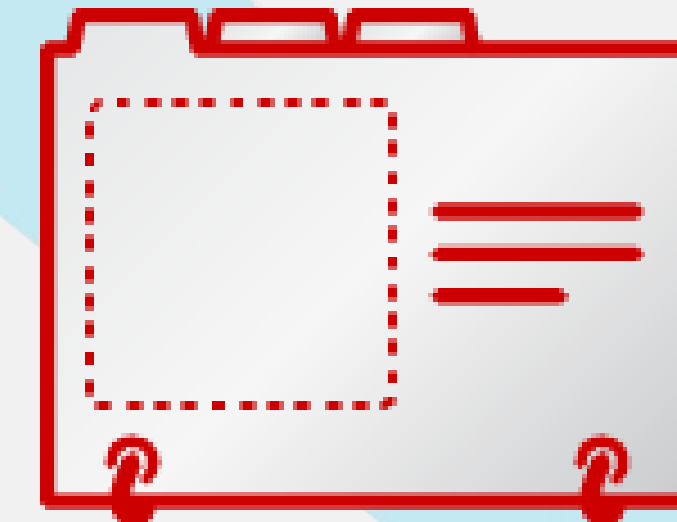
LEARN



BUILD

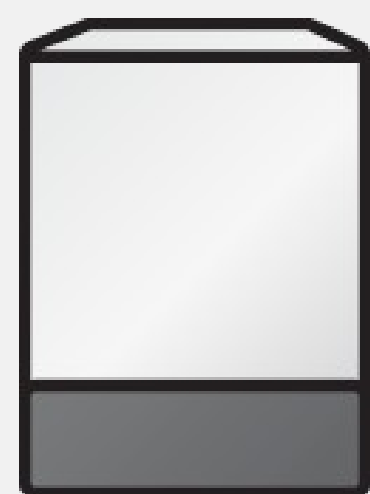


CERTIFY

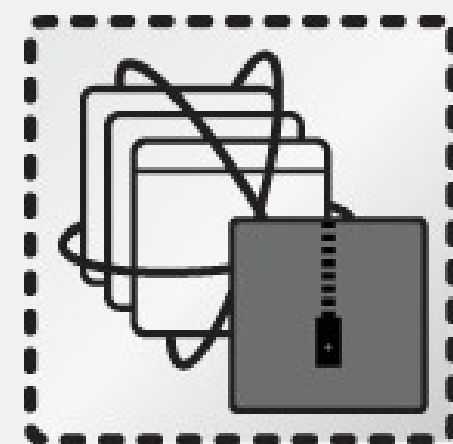


DISTRIBUTE

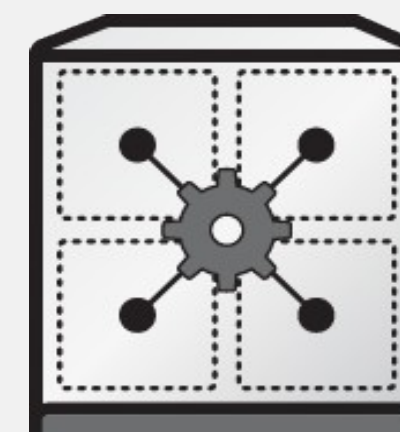
# CREATING THE RUNTIME



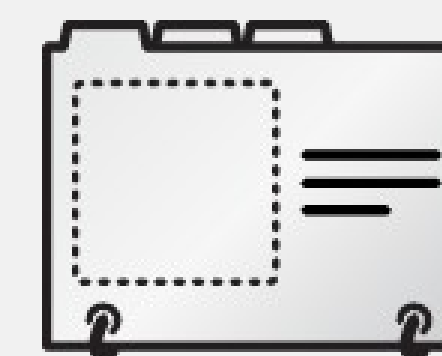
ISOLATION WITH  
LINUX CONTAINERS



CONTAINER FORMAT  
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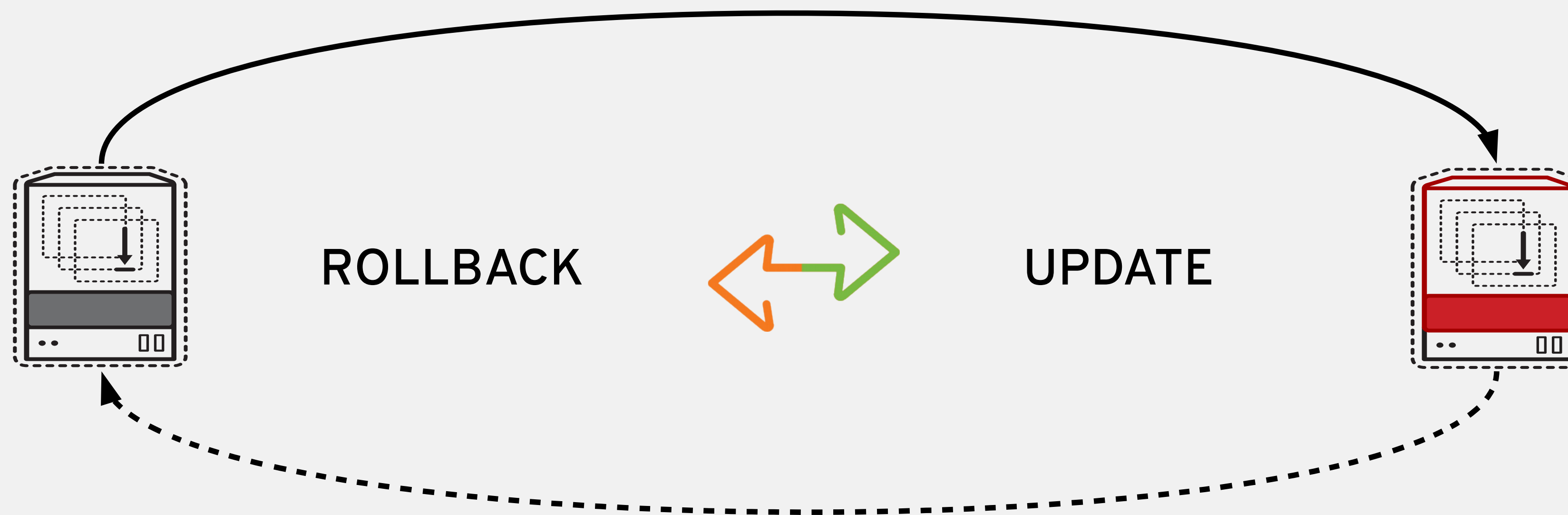
ORCHESTRATION WITH  
KUBERNETES



CONTAINER DISCOVERY  
VIA REGISTRY

**RED HAT<sup>®</sup>**  
**ENTERPRISE LINUX<sup>®</sup>**

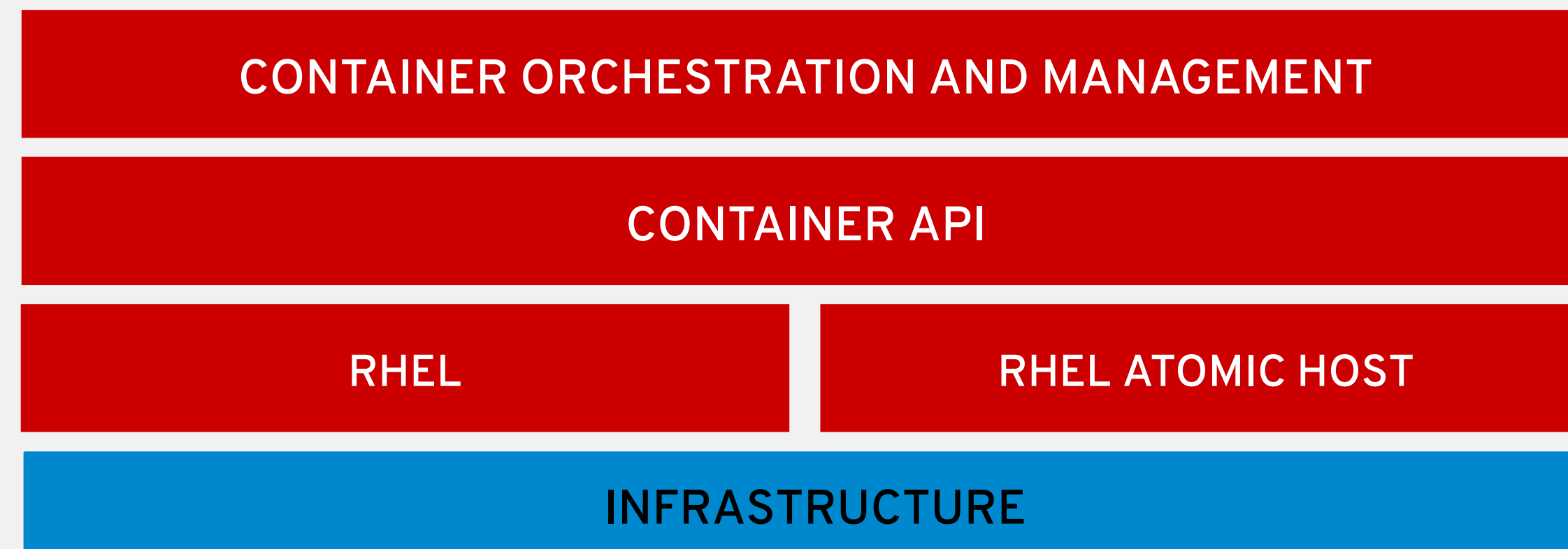
# DRIVING OPERATIONAL EFFICIENCY



**RED HAT®**  
**ENTERPRISE LINUX®**  
**ATOMIC HOST**

# ENABLING OPERATIONS

Run and Orchestrate multi-container based applications at scale



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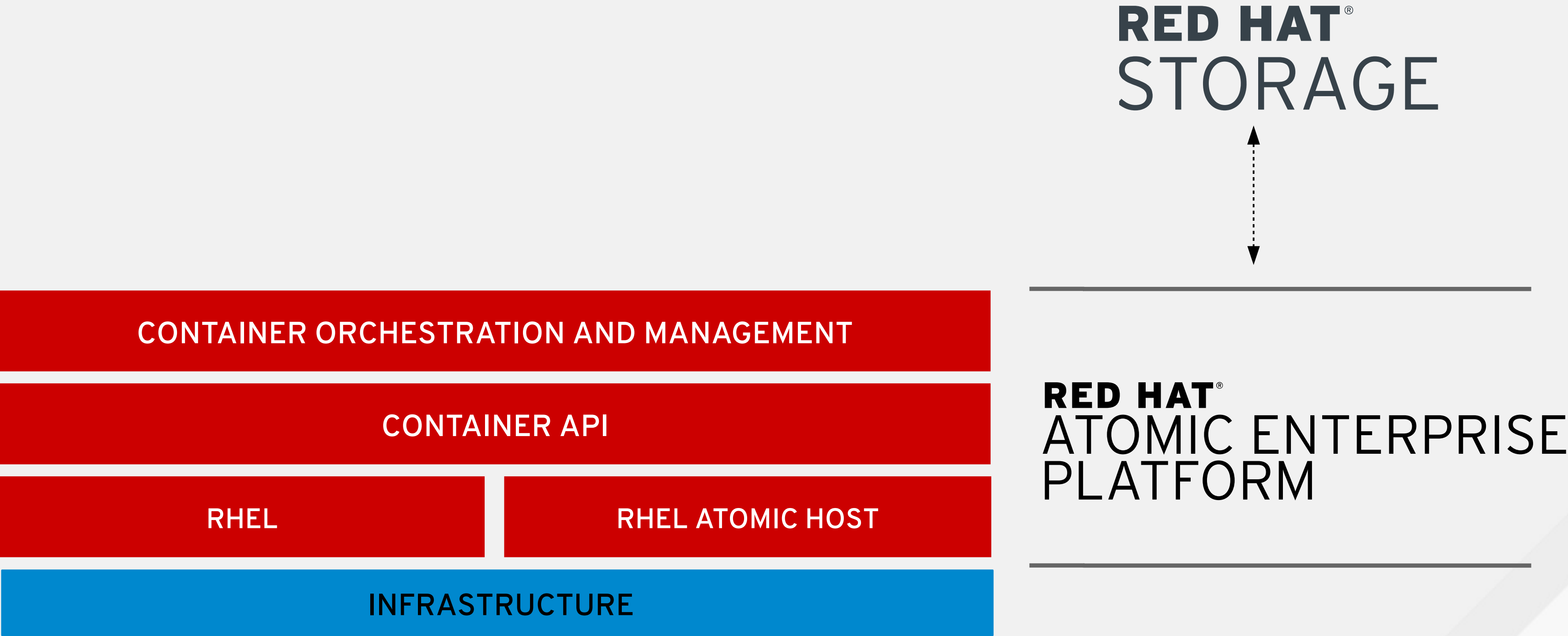
**RED HAT®**  
ATOMIC ENTERPRISE  
PLATFORM

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# ENABLING OPERATIONS

Run and Orchestrate multi-container based applications at scale



# ENABLING DEVELOPMENT AND OPERATIONS

Develop and Run and Orchestrate multi-container based applications at scale



DEVOPS TOOL AND EXPERIENCE

LANGUAGE RUNTIMES, MIDDLEWARE, DATABASES, AND OTHER SERVICES

CONTAINER ORCHESTRATION AND MANAGEMENT

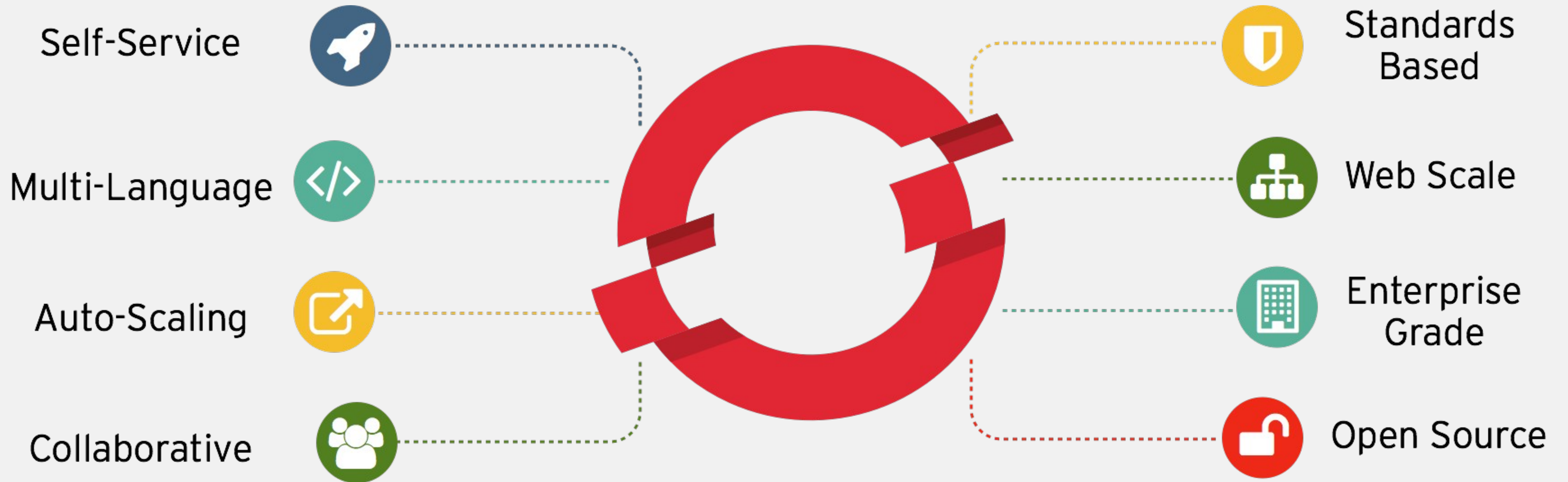
CONTAINER API

RHEL

RHEL ATOMIC HOST

INFRASTRUCTURE

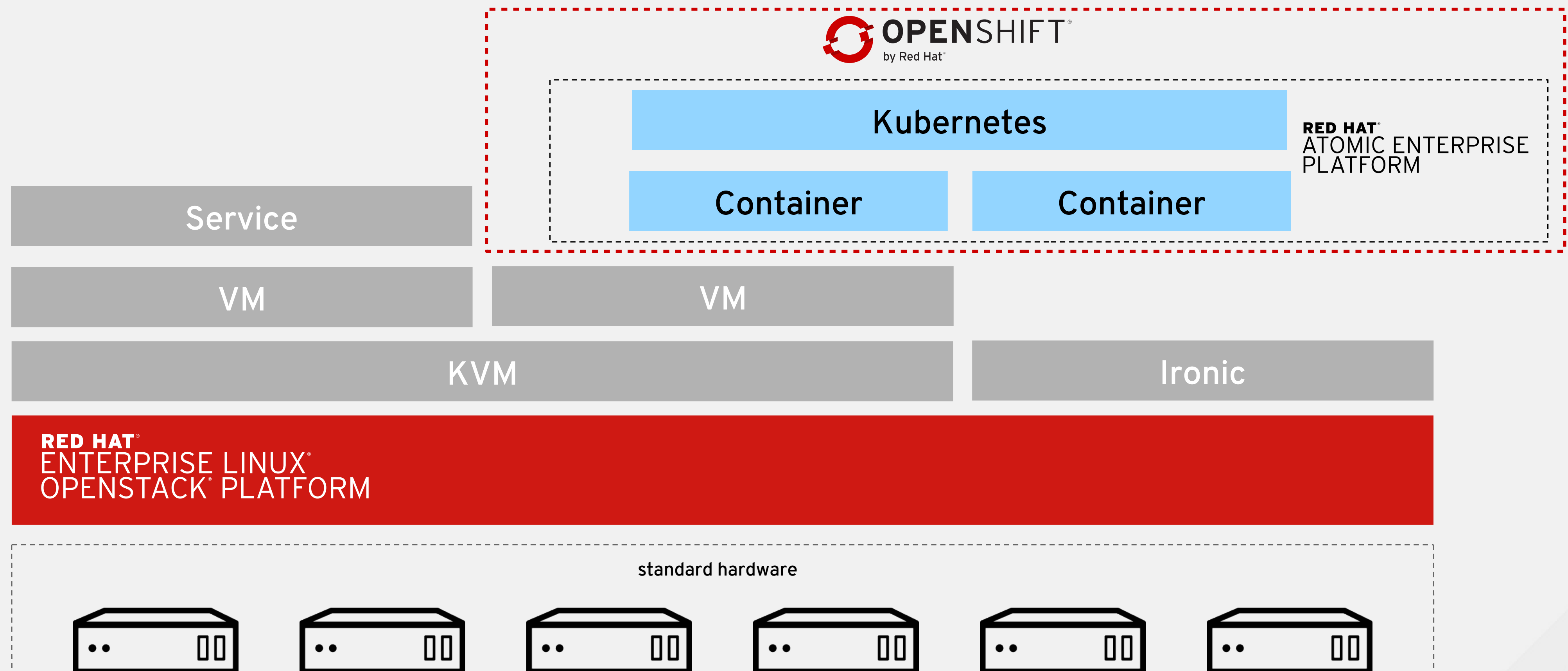
# ENABLING DEVELOPMENT AND OPERATIONS



**OPENSIFT**®  
by Red Hat®

# CONVERGENCE

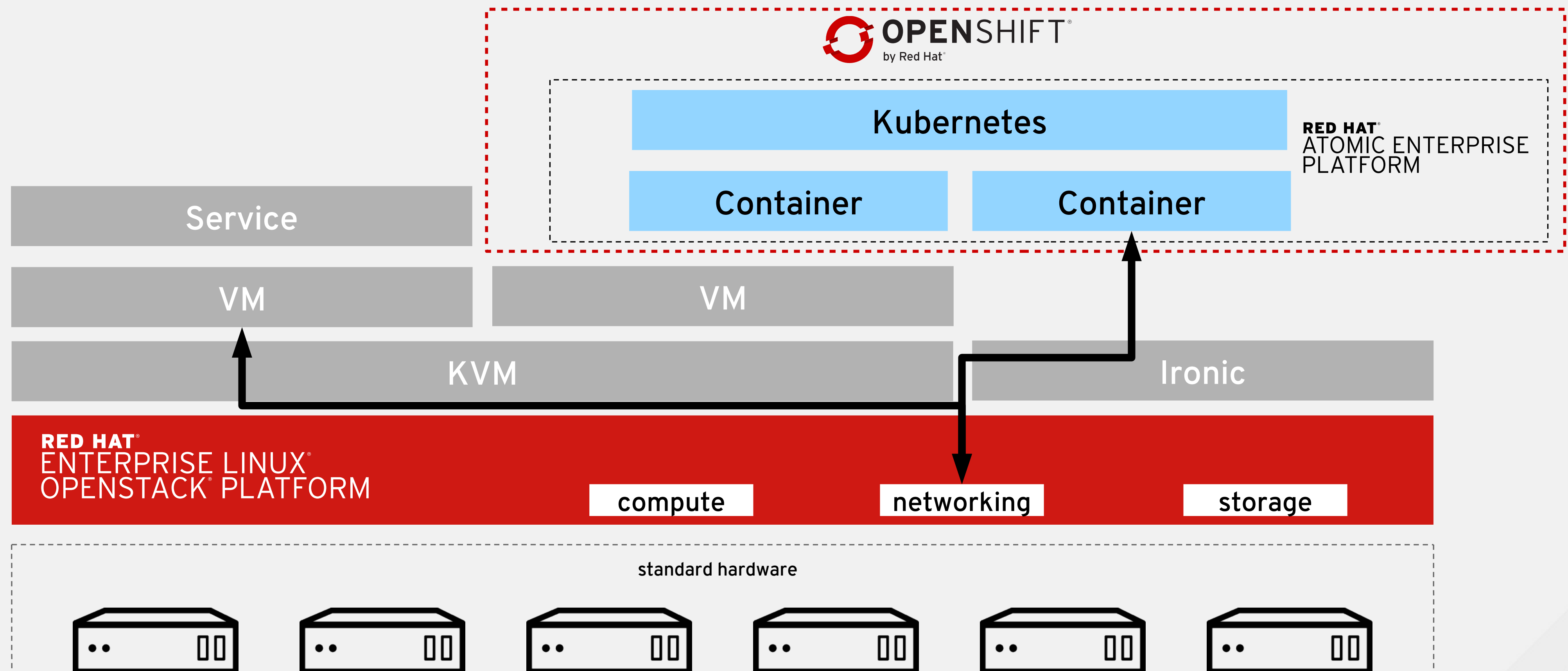
## Physical and Application Abstraction





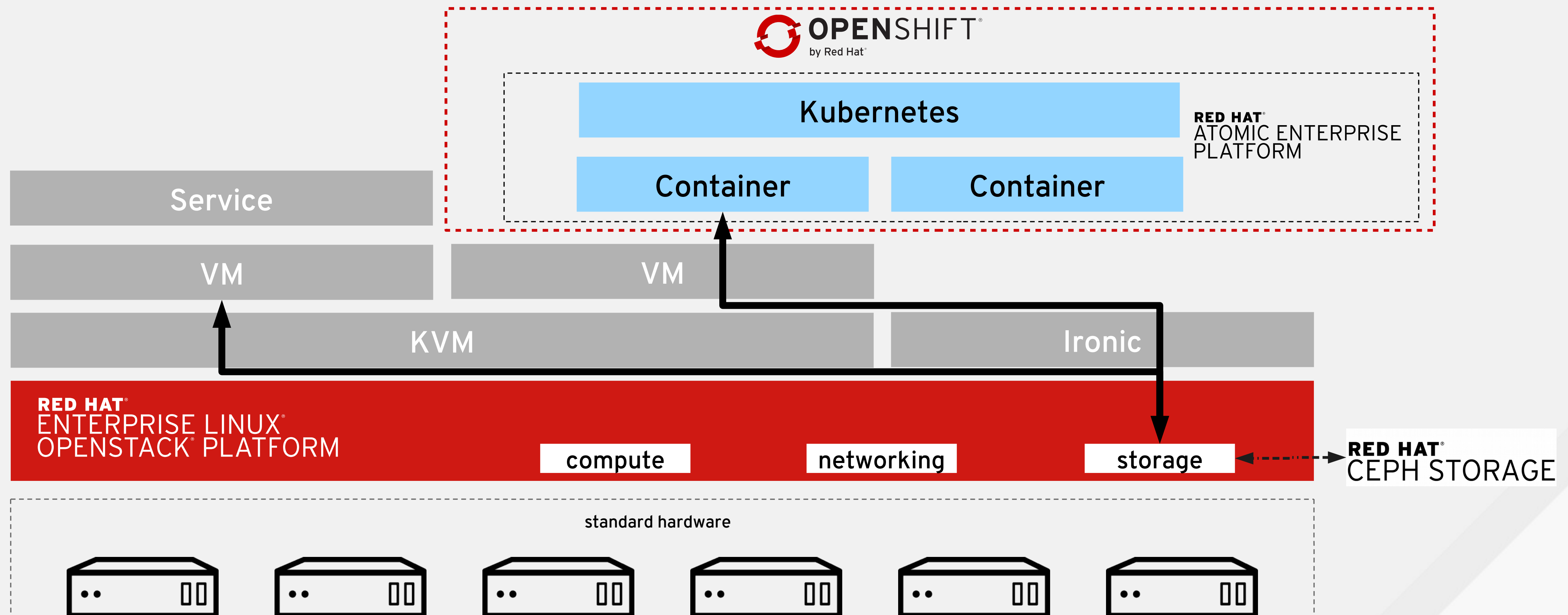
# CONVERGENCE

## Physical and Application Abstraction



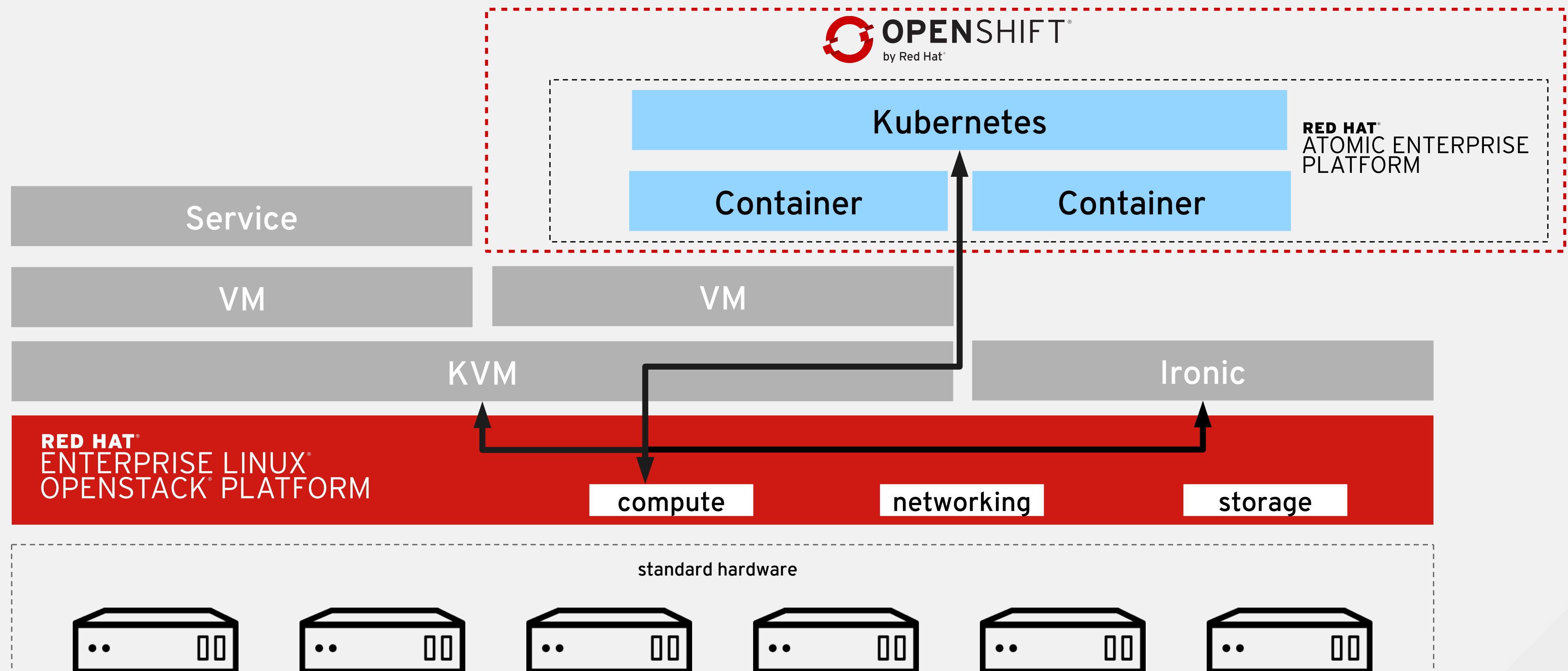
# CONVERGENCE

## Physical and Application Abstraction



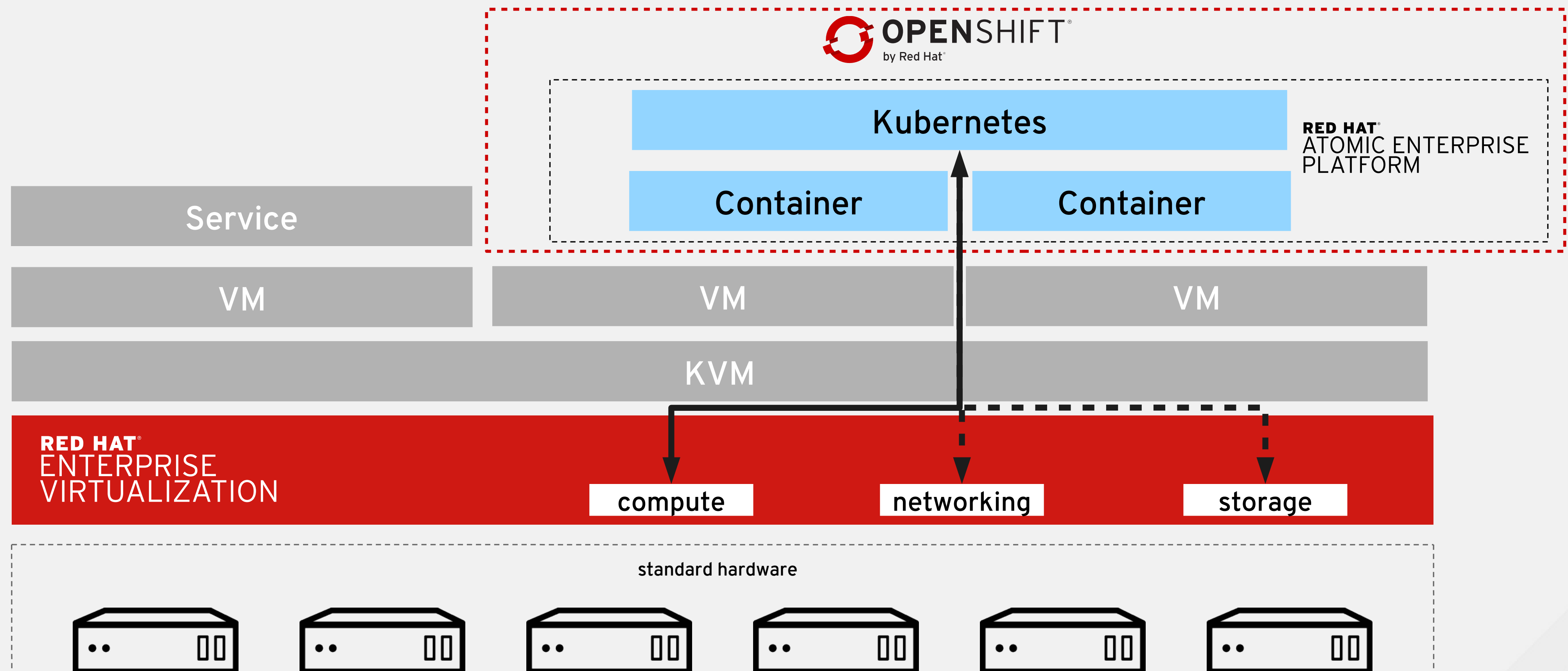
# CONVERGENCE

## Physical and Application Abstraction



# CONVERGENCE

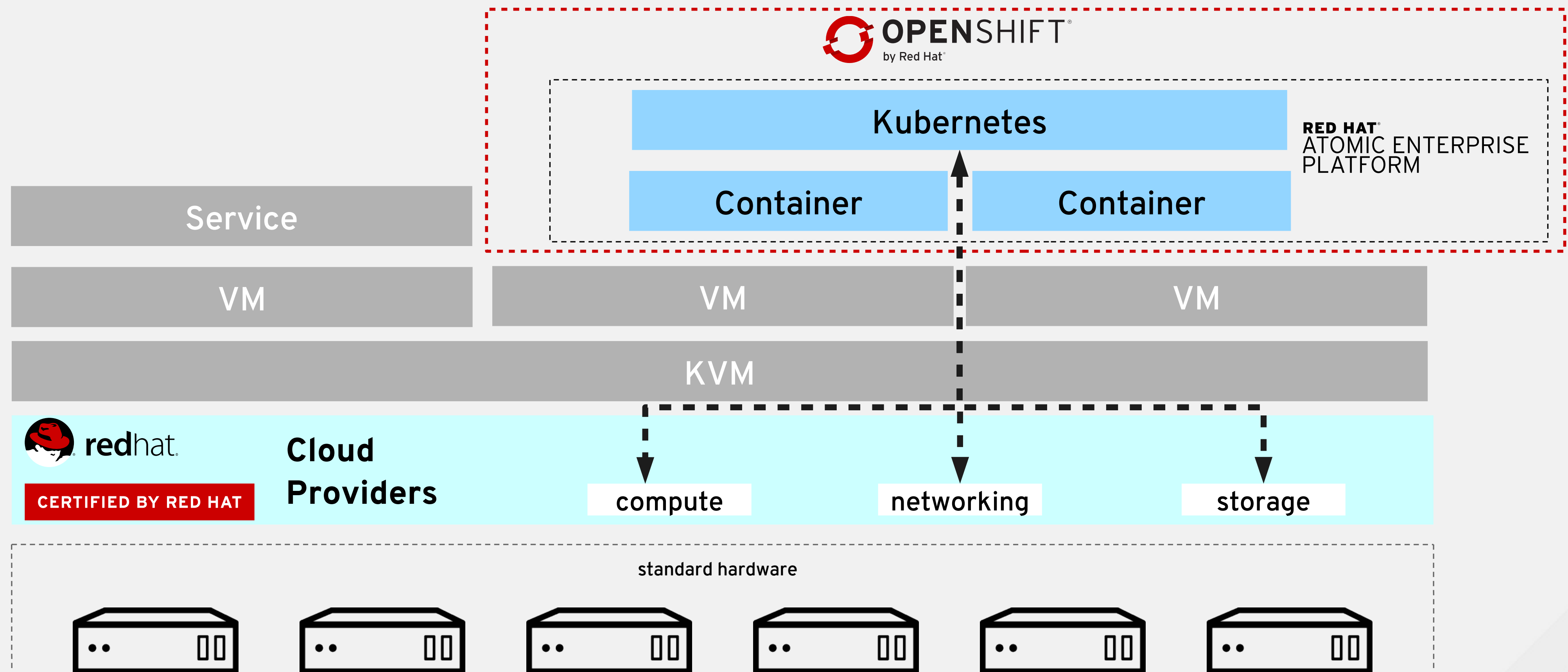
## Physical and Application Abstraction





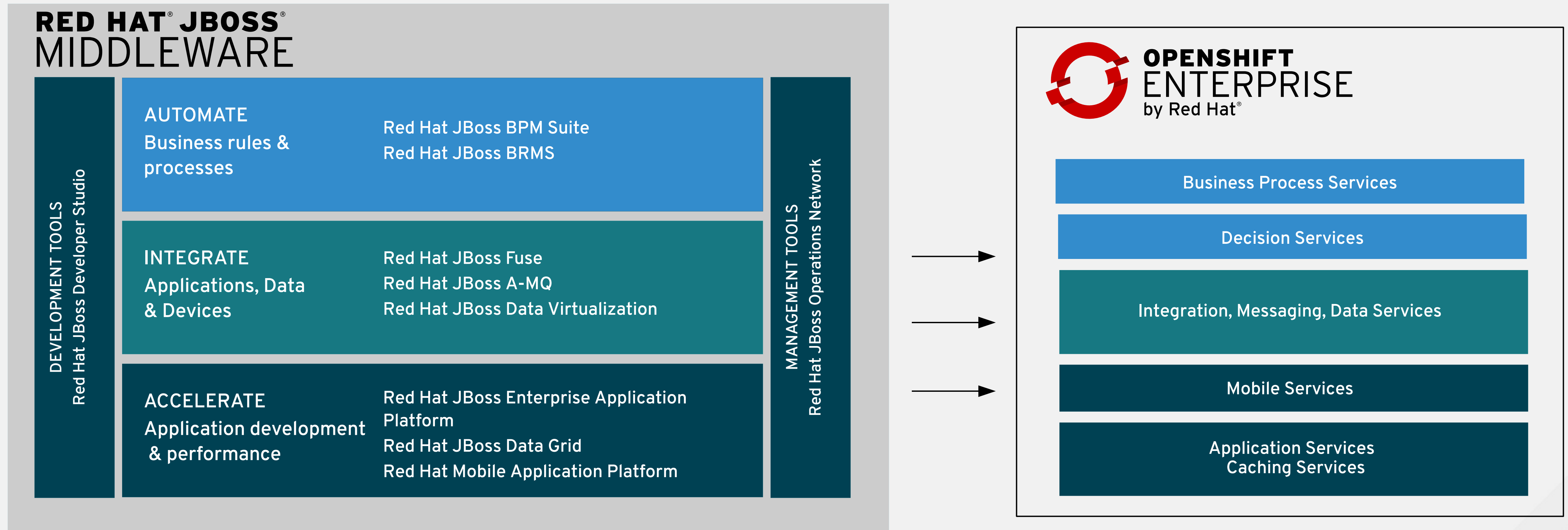
# CONVERGENCE

## Physical and Application Abstraction

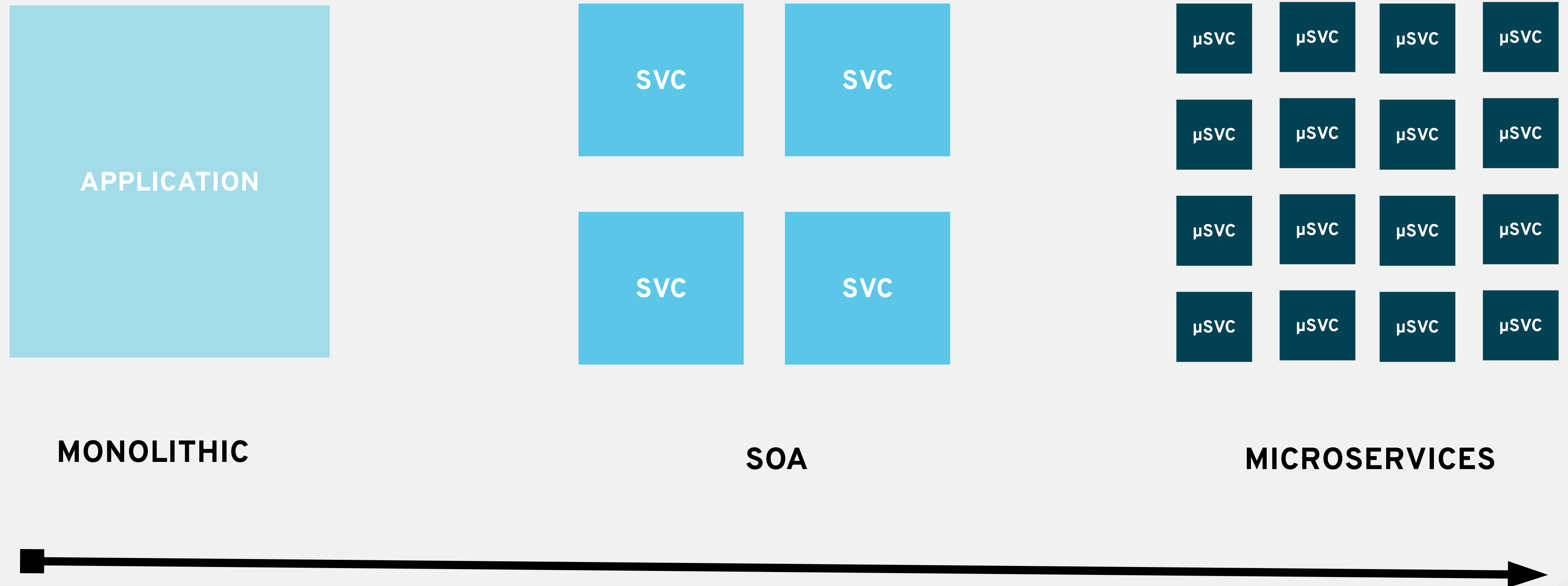


# JBoss xPaaS SERVICES FOR OPENS SHIFT

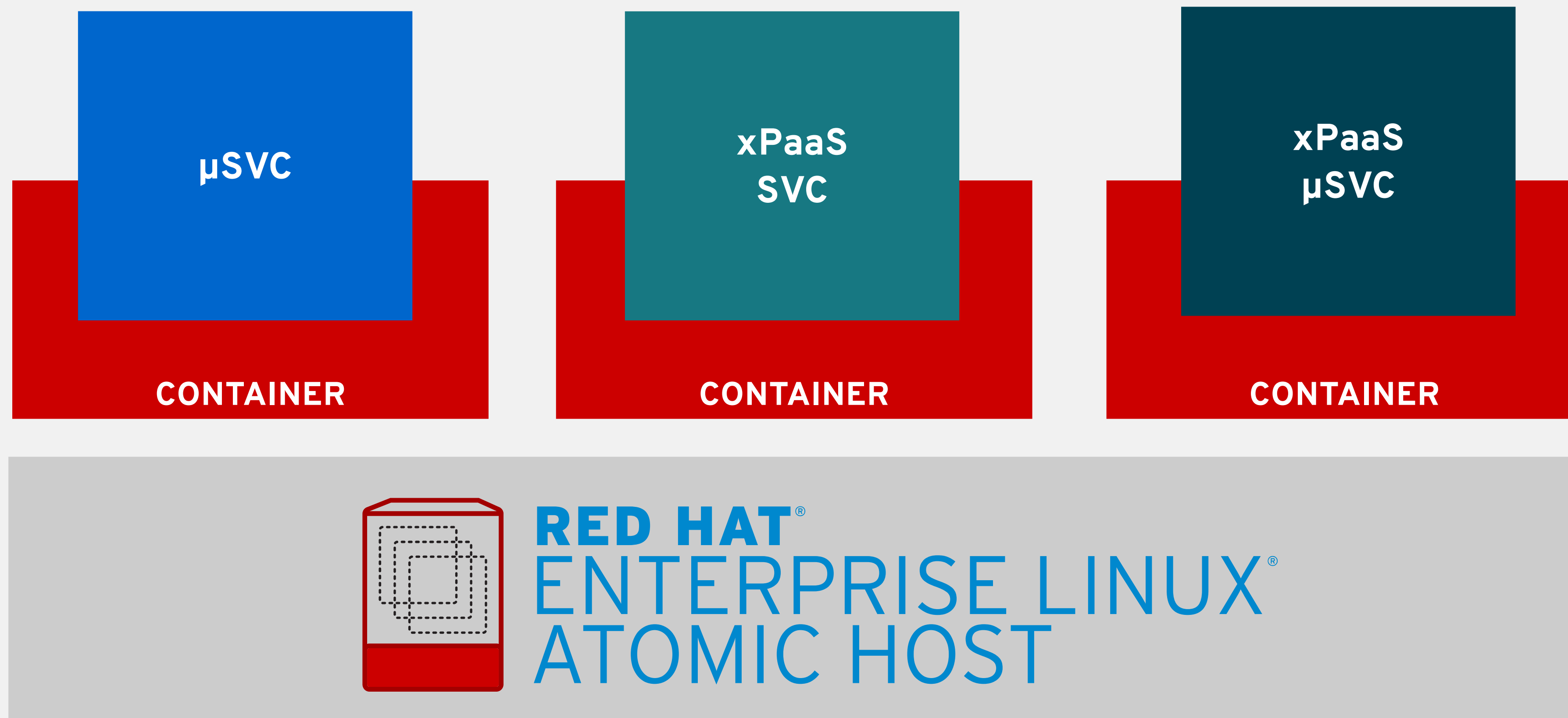
Where Middleware meets cloud...



# ARCHITECTURE EVOLUTION



# MICROSERVICES + CONTAINERS

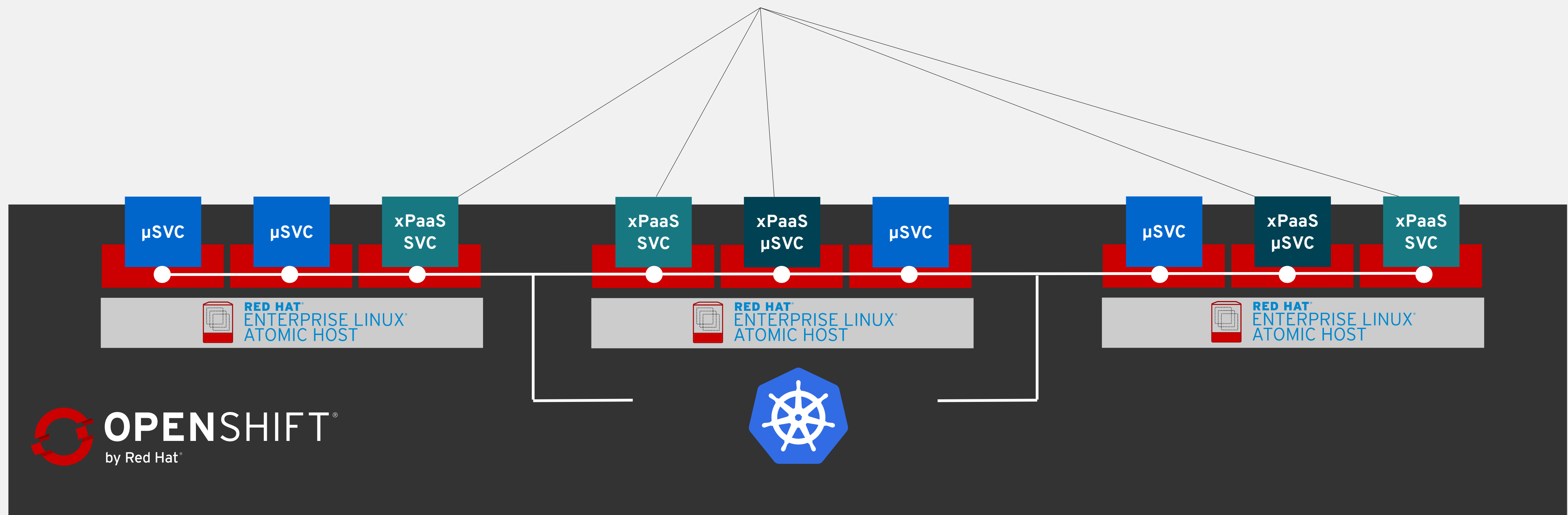




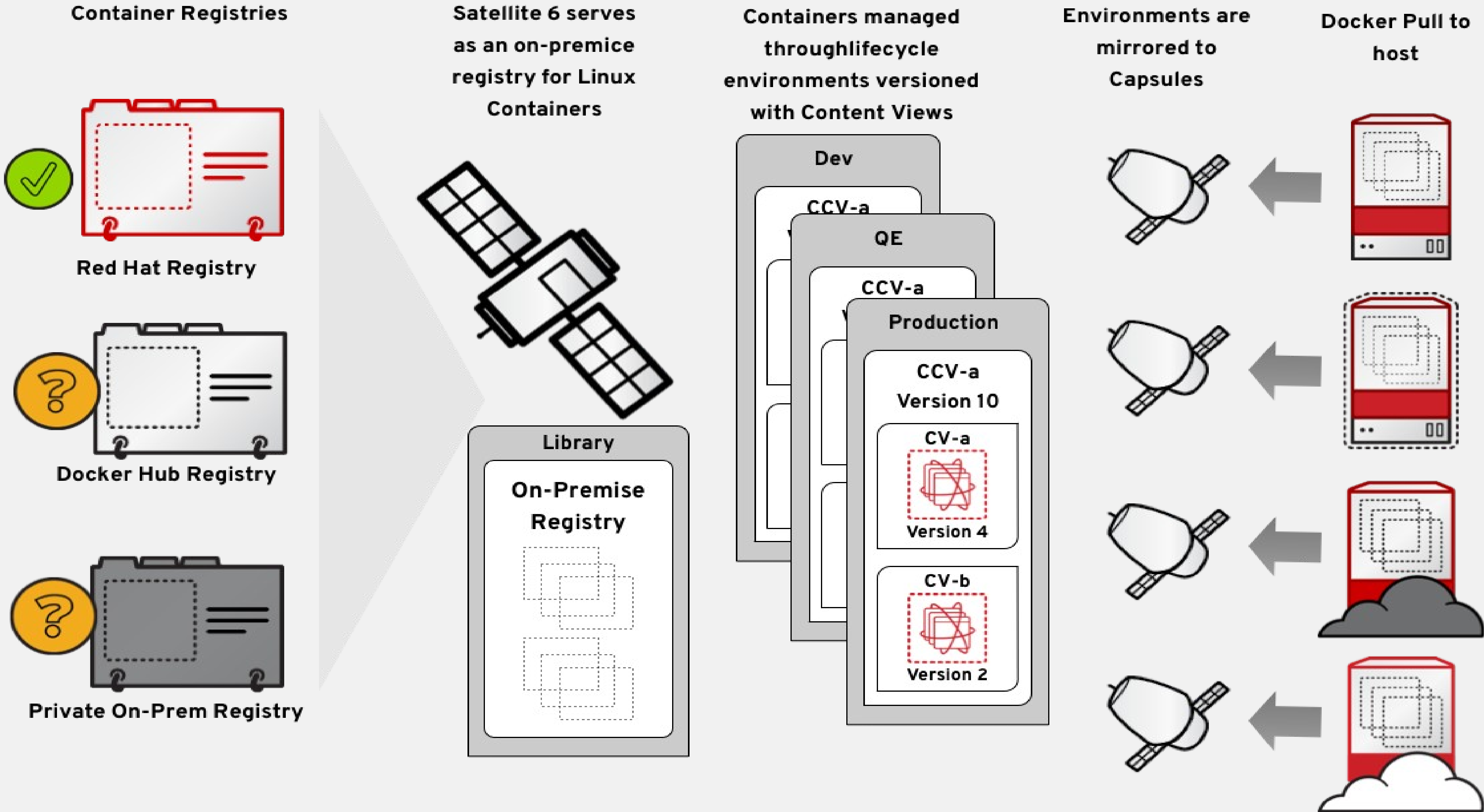
# xPaaS

Modular microservices architecture based on JBoss Middleware and OpenShift

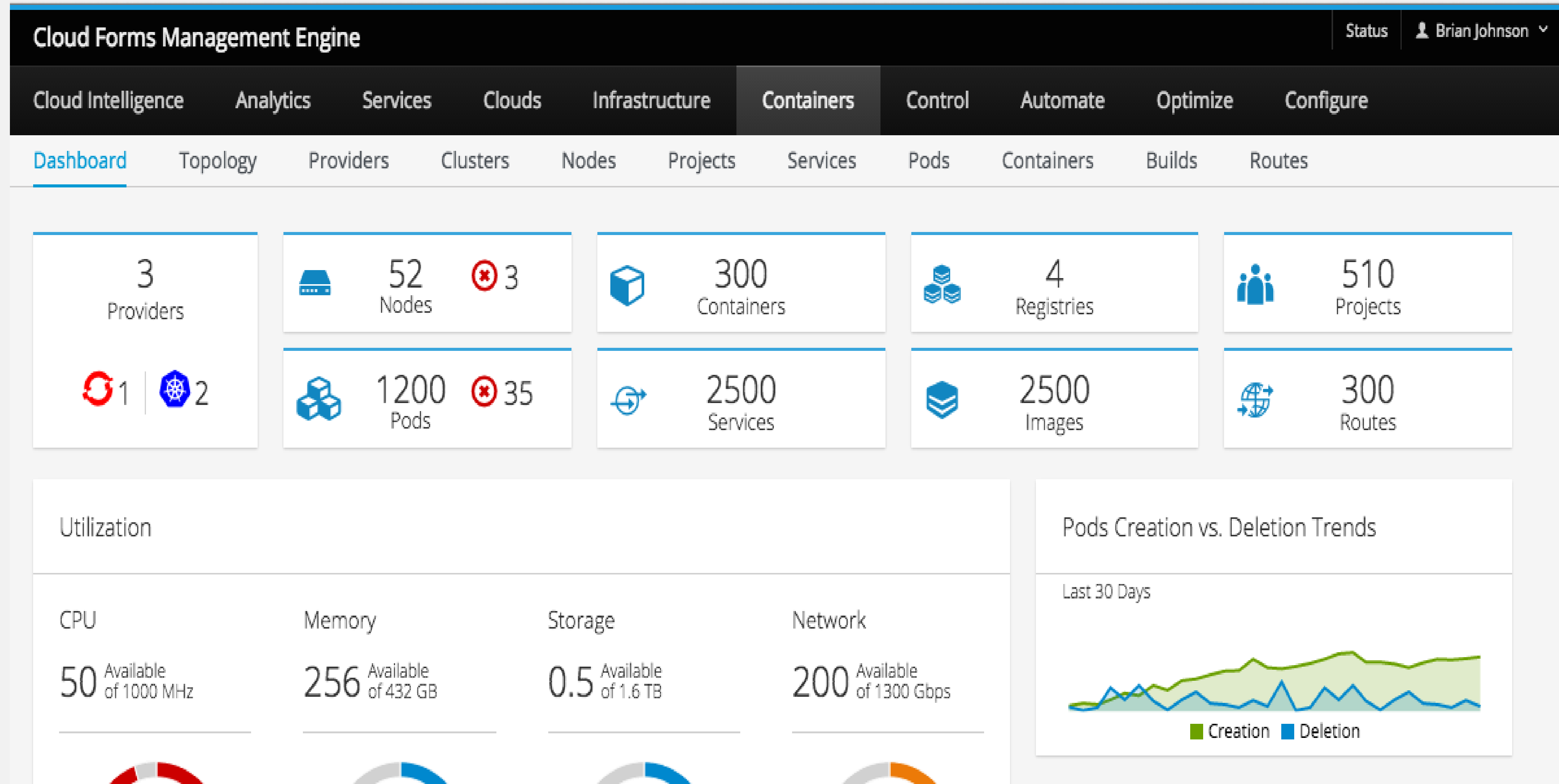
## RED HAT® JBOSS® MIDDLEWARE



# RED HAT SATELLITE

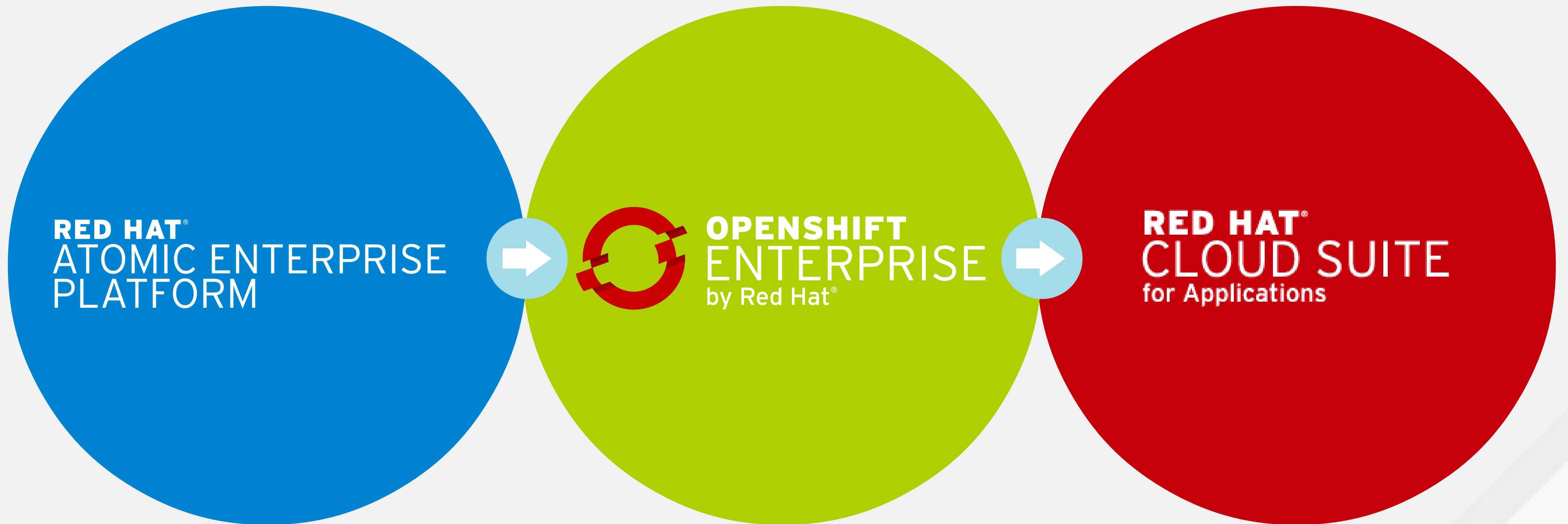


# CONTAINER MANAGEMENT



# CONTAINER-BASED APPLICATION DELIVERY SOLUTIONS

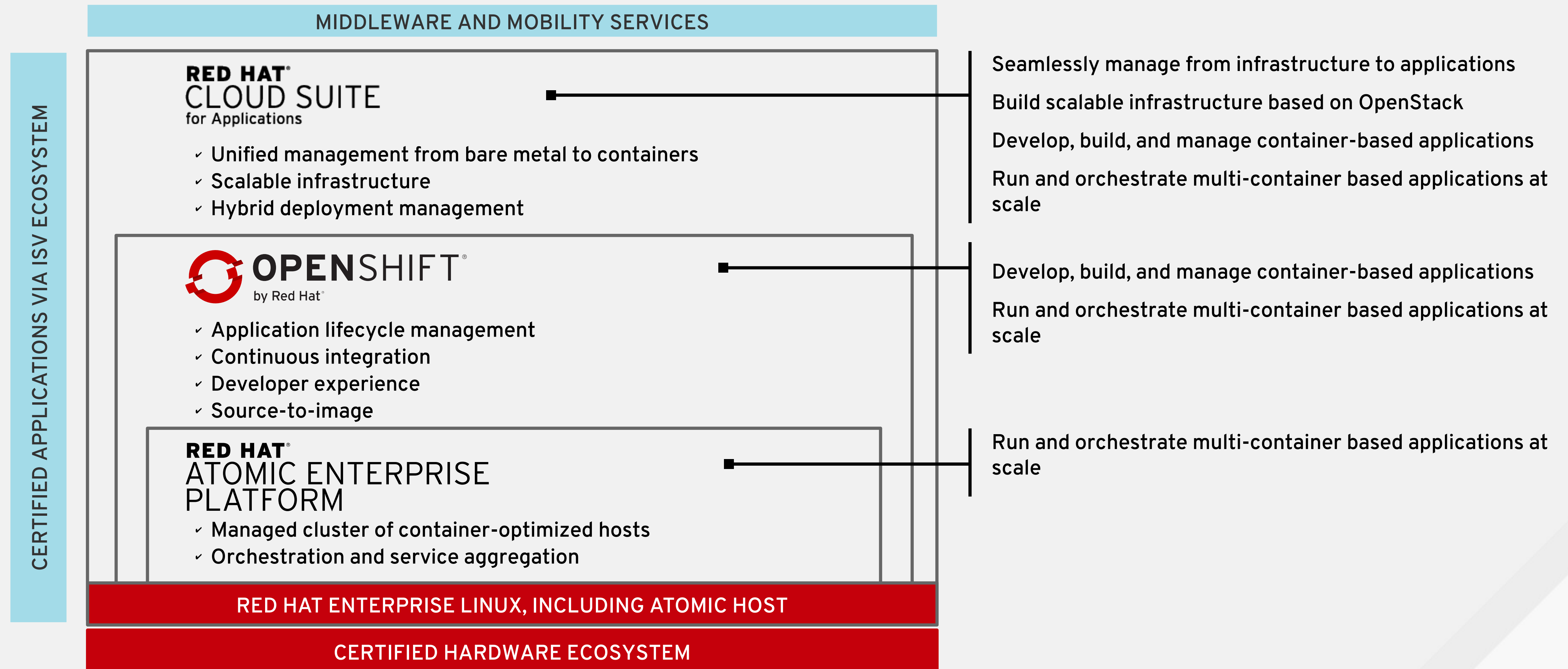
A continuum of solutions to develop, run, and manage container-based applications





# CONTAINER-BASED APPLICATION DELIVERY SOLUTIONS

A continuum of solutions to develop, run, and manage container-based applications





# RED HAT **SUMMIT**

**LEARN. NETWORK.  
EXPERIENCE OPEN SOURCE.**