



**Connect**

# Hybrid Cloud Application Platform

with OpenShift Platform Plus



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RHCA, Principal Solution Architect  
Red Hat

THERE MUST BE  
A BETTER WAY OF  
CHOOSING CLOUD  
PROVIDERS!

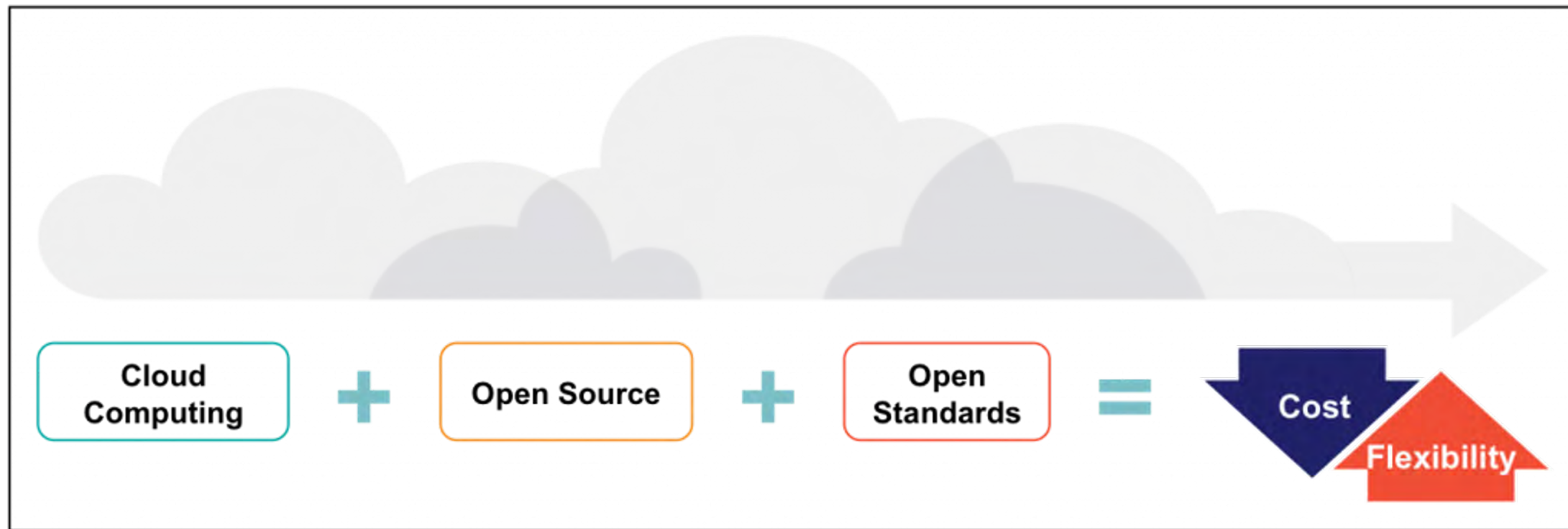




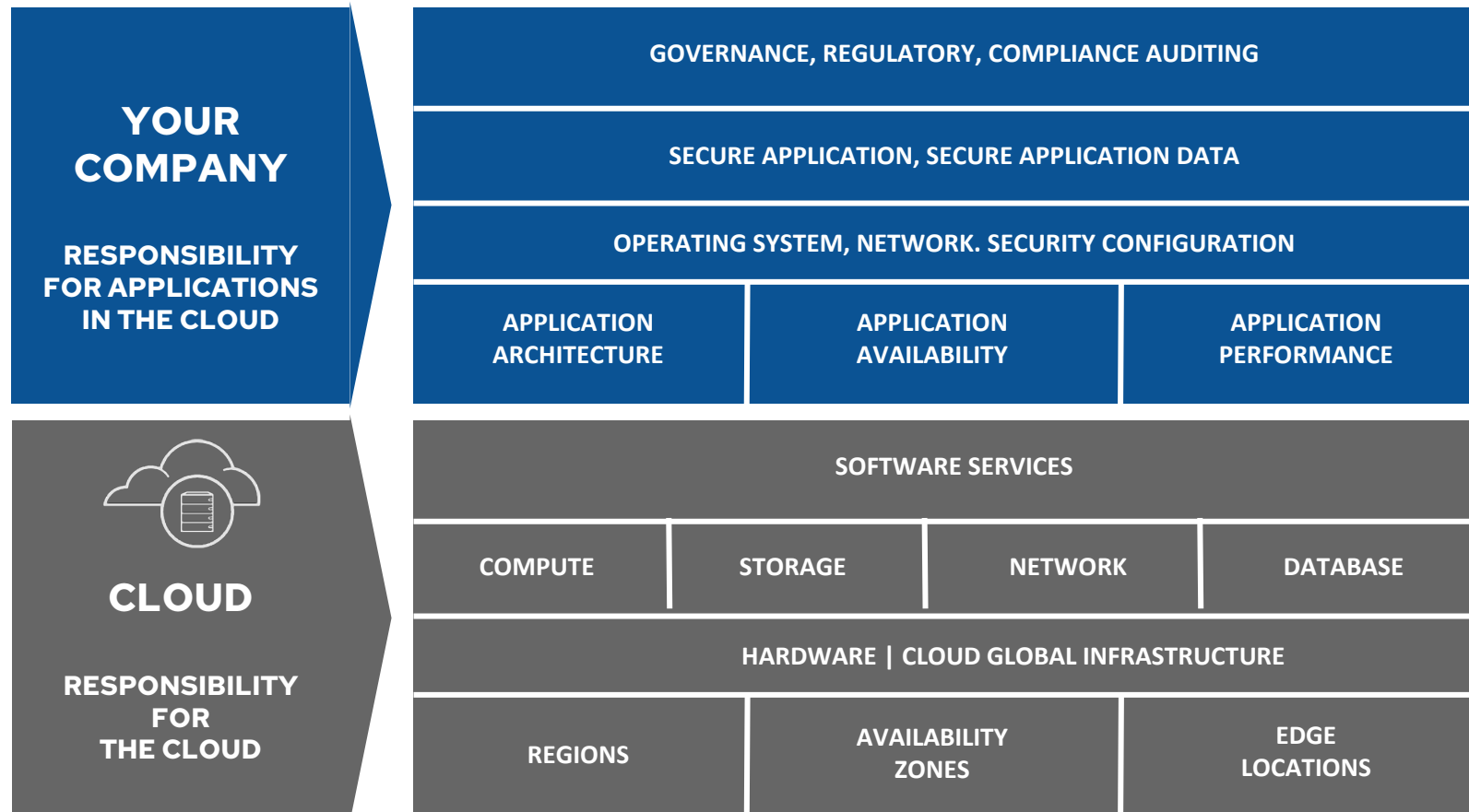
Image Credit: iStockPhoto/[Igor Kirillov](#)

Three things  
Cloud Providers  
are not telling you

# Managed PaaS Services are based on Open Source with ...



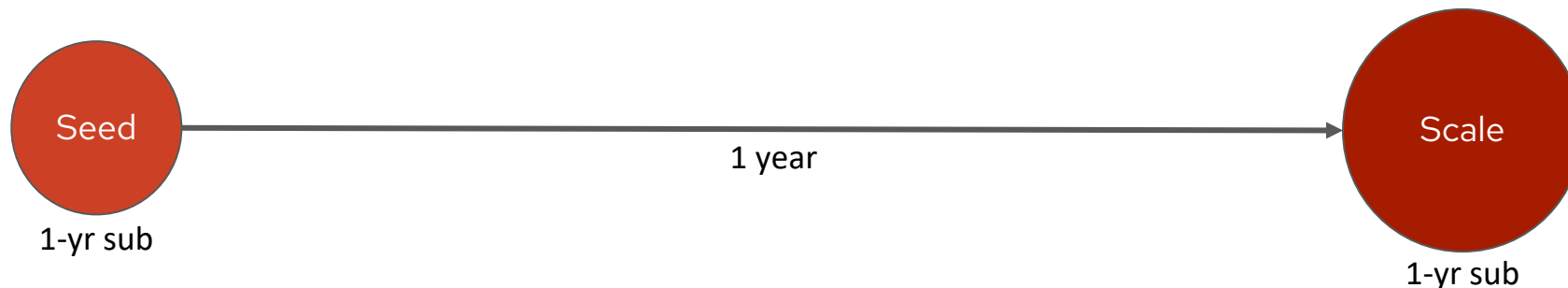
# Shared Responsibility Model



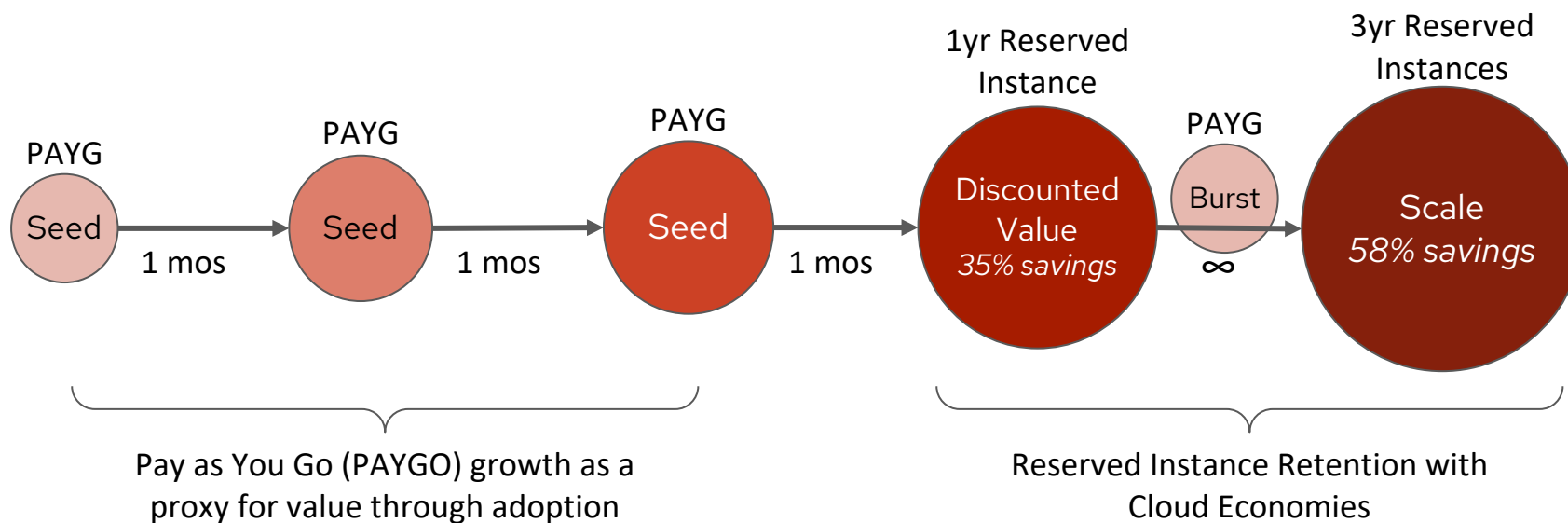
Impacts **Costs, Security, Compliance**

# Consumption based pricing has ...

## Self-managed

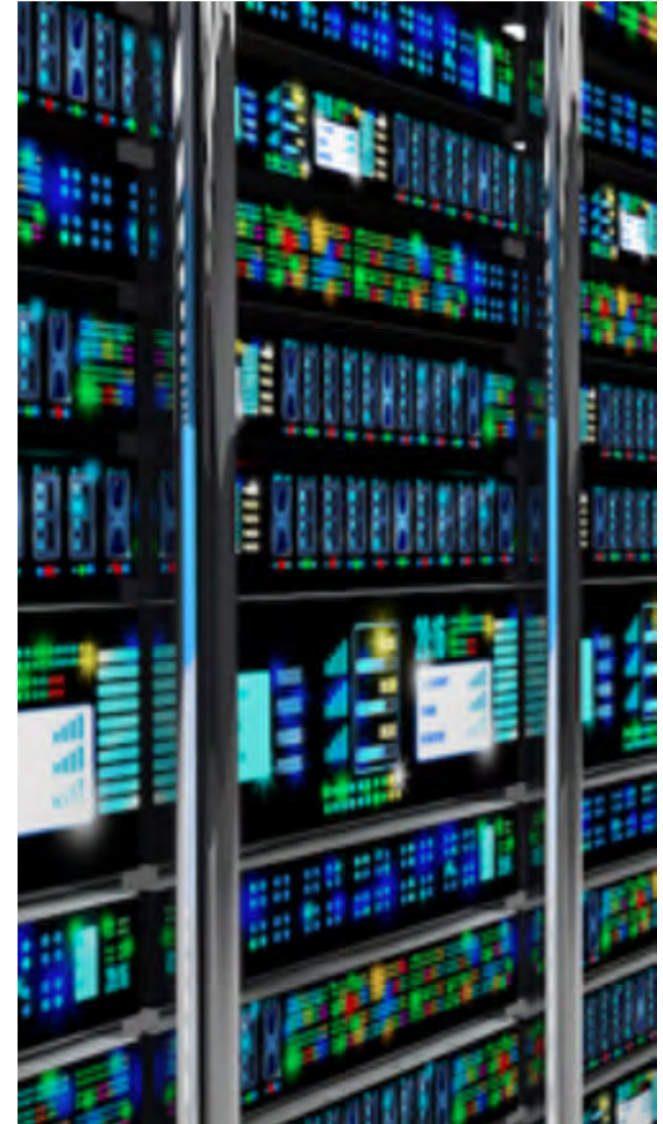
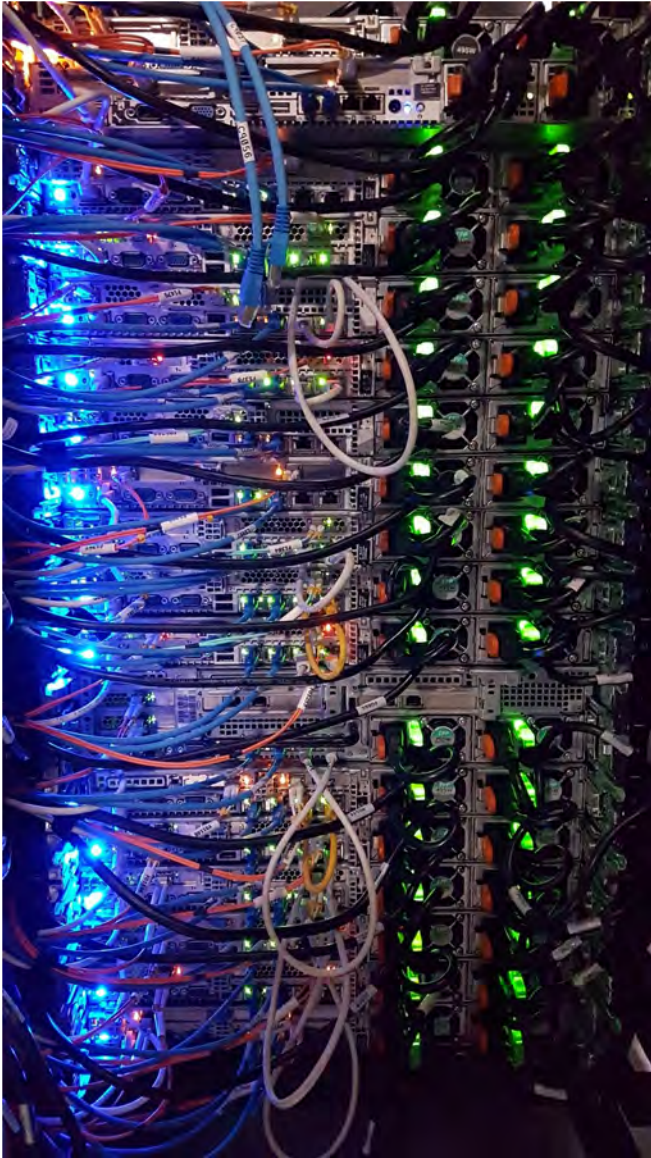


## Cloud Services



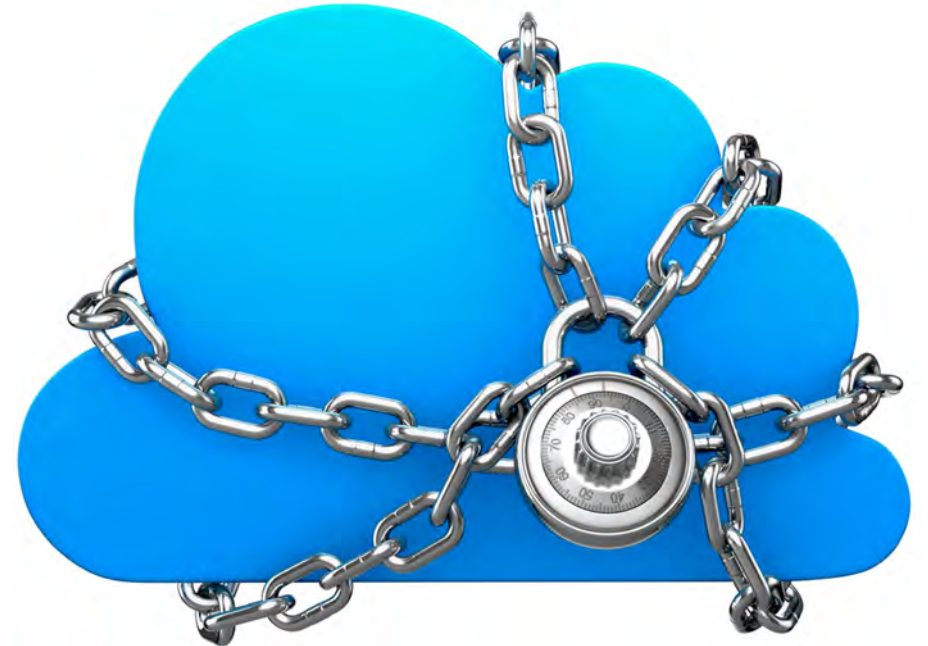


# Hidden costs



# Cloud Provider **lock in**

- Application portability
- Exit costs
- Multi cloud interoperability
- Hybrid Cloud (On premise integration)
- External (Managed) PaaS Services integration
- Cost model



# Red Hat vision

# Open Hybrid Cloud



**Traditional  
N-Tier Apps & VMs**



**Cloud Native  
Microservices**



**Data, Analytics  
& AI/ML**



**ISV Apps &  
Cloud Services**

**Red Hat OpenShift**



**Physical**



**Virtual**



**Private cloud**



**Public cloud**

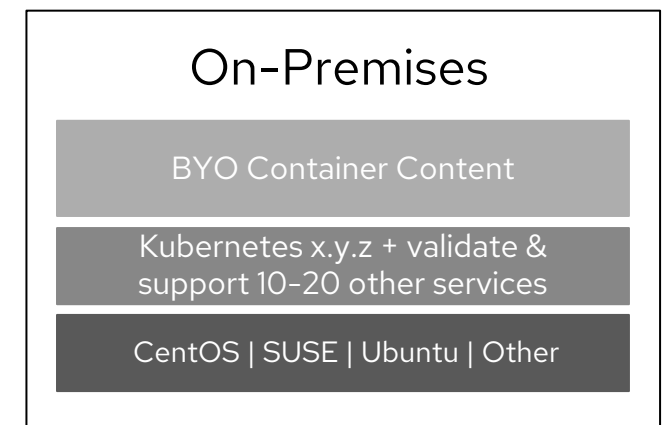
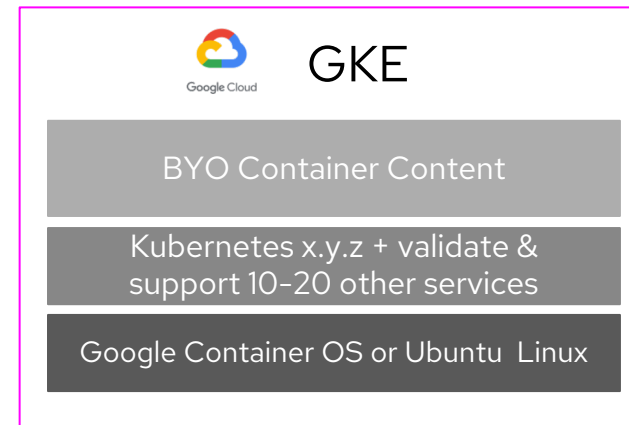
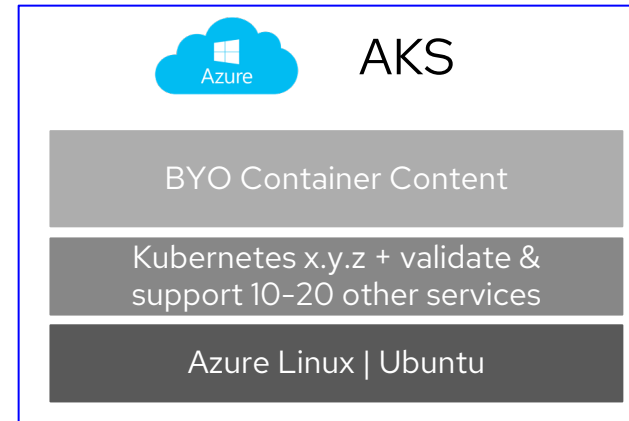
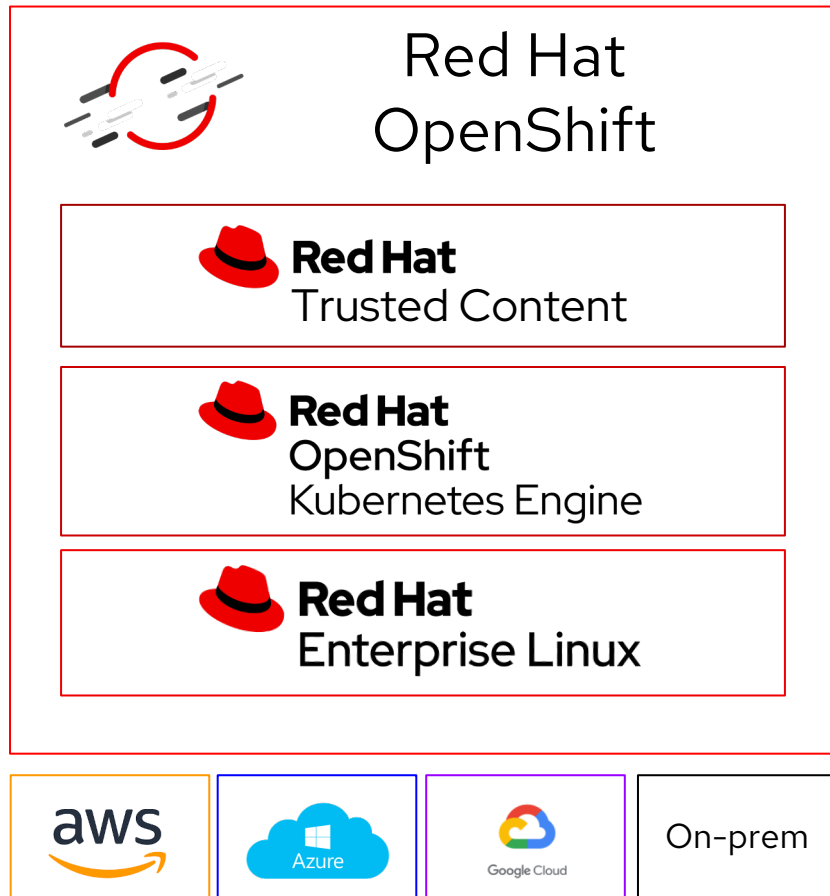


**Edge cloud**

**Red Hat Enterprise Linux**

# OpenShift Trust & Consistency Across the Hybrid Cloud

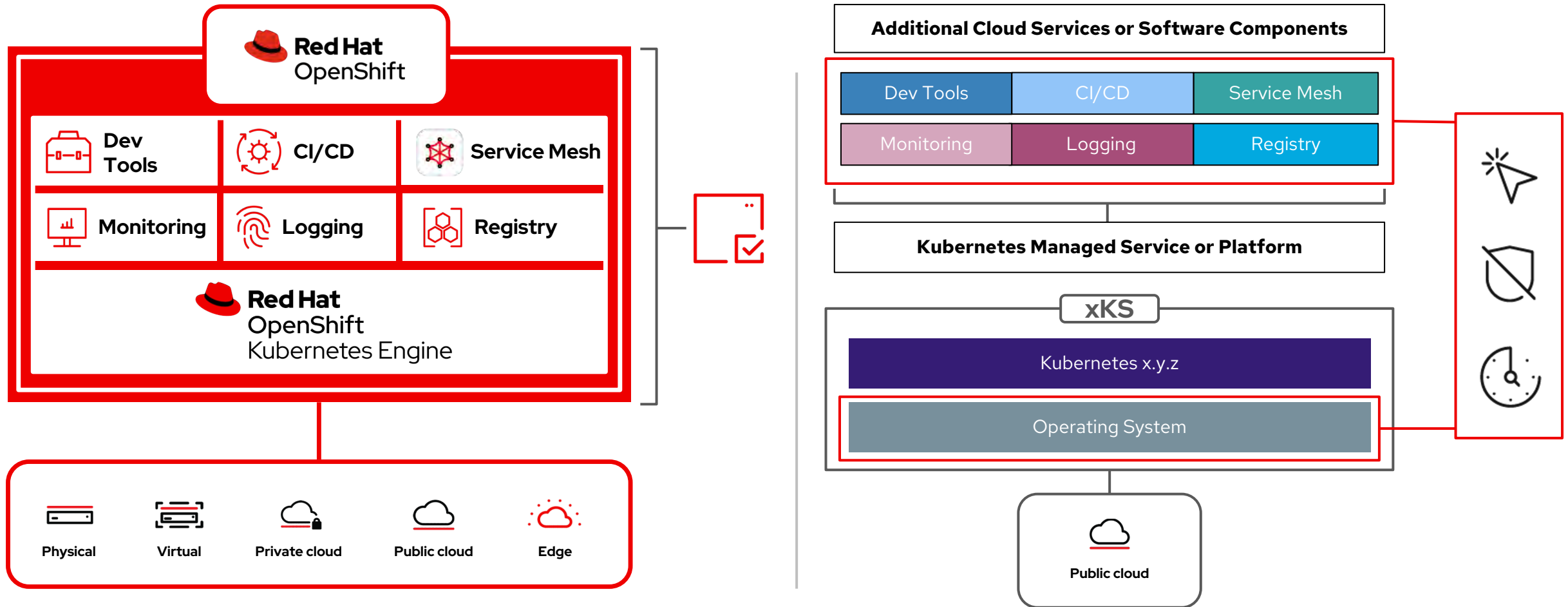
Versus managing different stacks across each environment



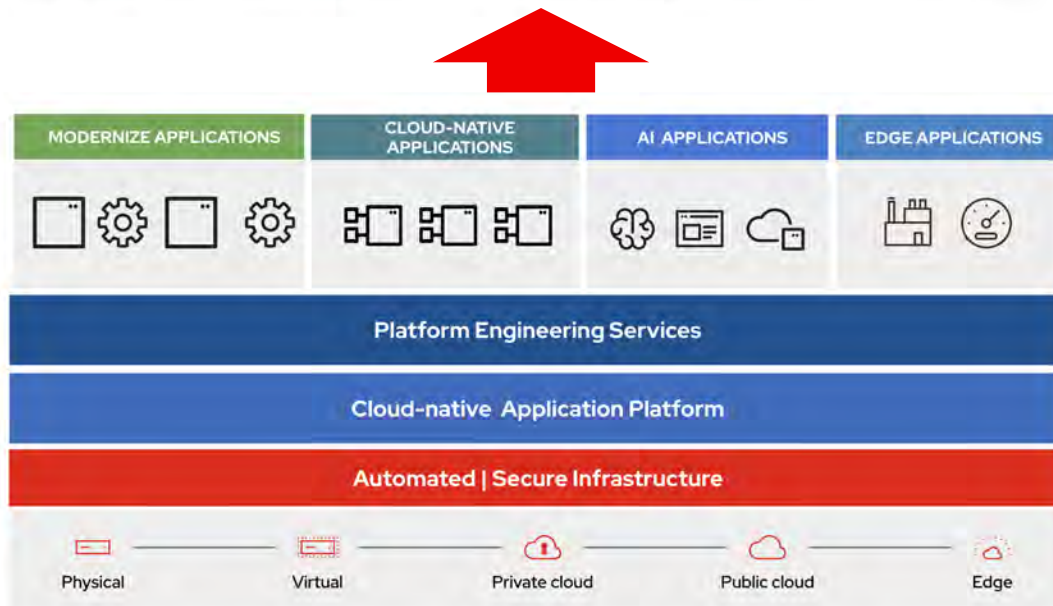
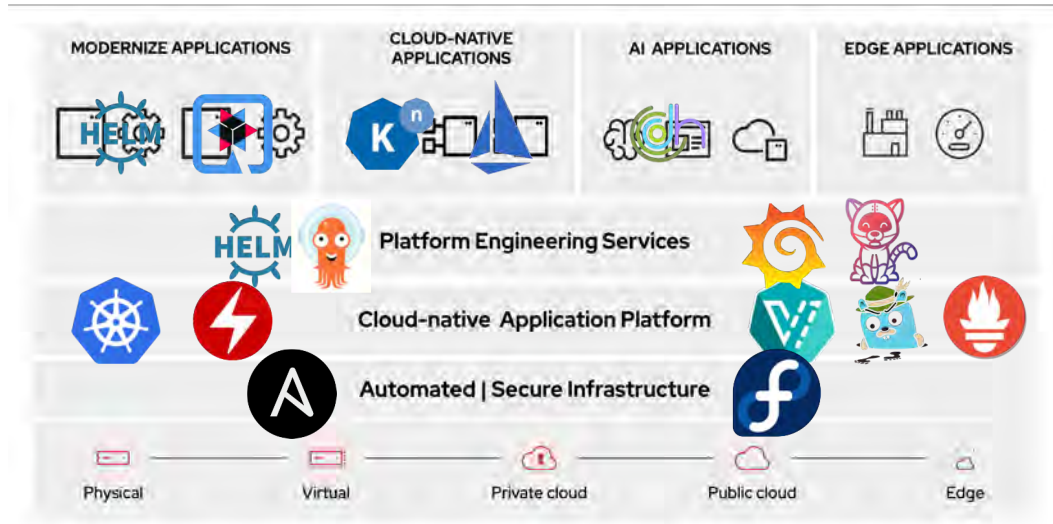


# OpenShift Trust & Consistency Across the Hybrid Cloud

**Versus** managing different stacks across each environment



# Red Hat open source projects contributions



## Contributions to OSS / CNCF Projects\*

### Leading Contributor



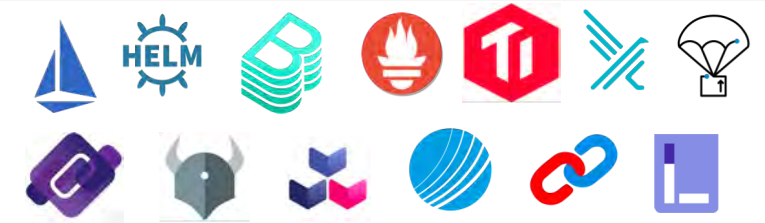
### #2 Contributor



### #3 Contributor

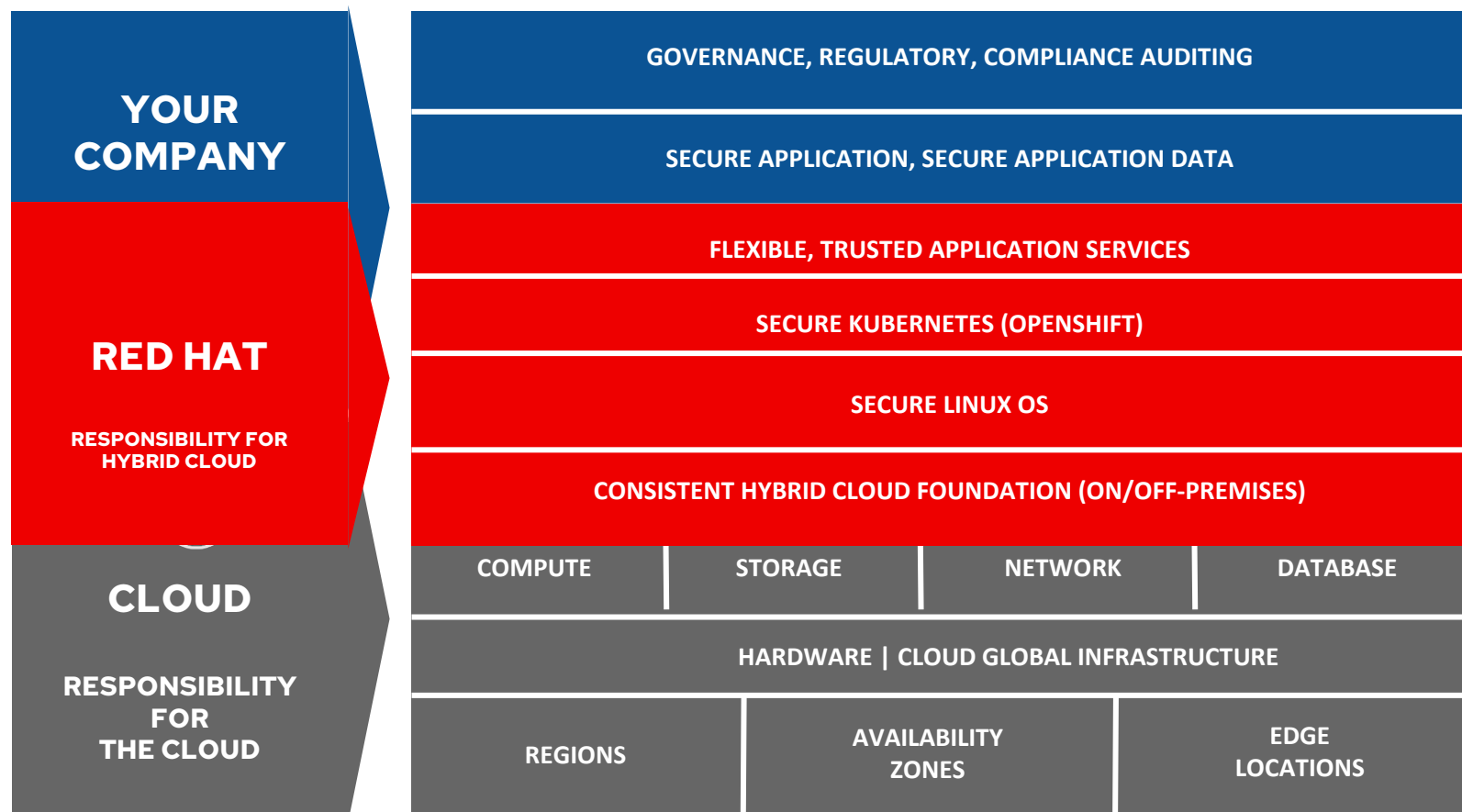


### Top 10 Contributor



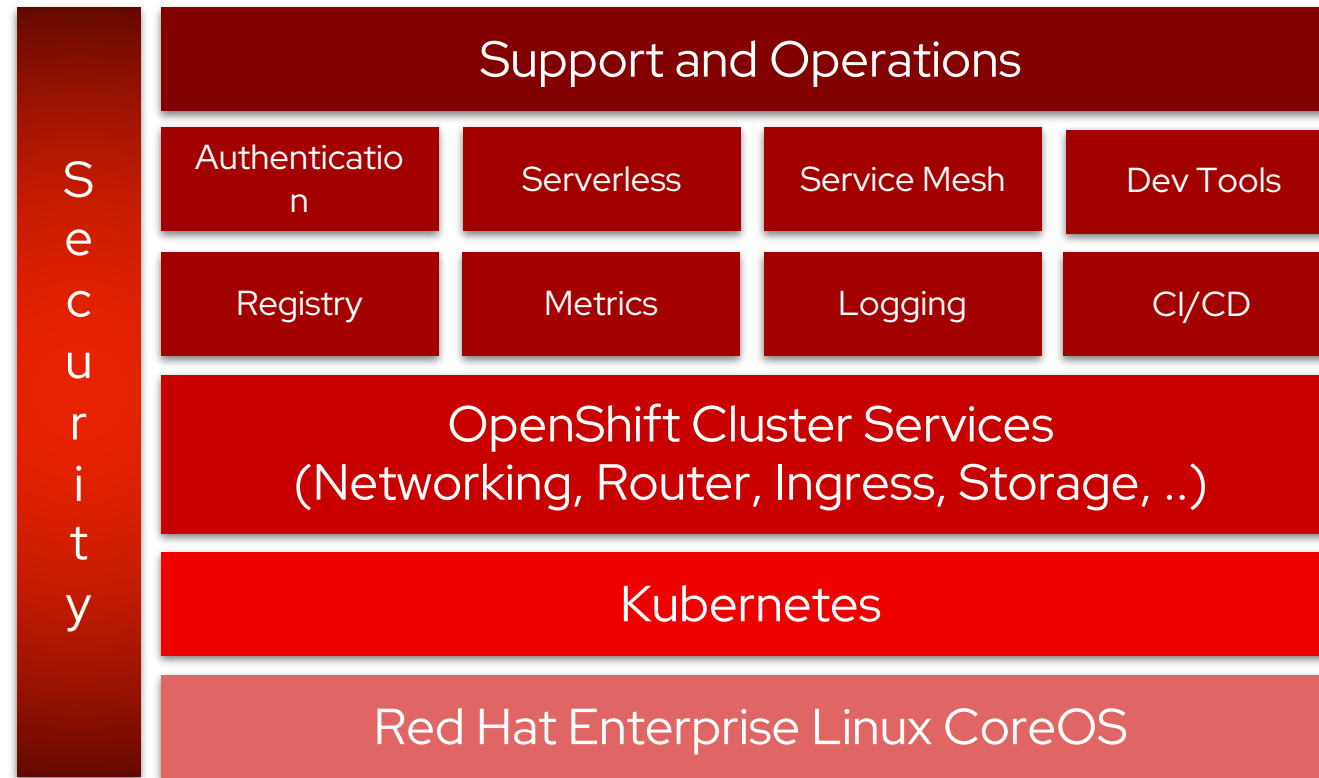
\*Updated Q4 2023

# Red Hat can help ease the Cloud transition





# Flexible cost model for Hybrid Cloud Apps Platform



99.95% SLA, 24x7 SRE, **Hybrid Committed Spend Program**

# OpenShift Platform Plus

# Red Hat OpenShift Container Platform

**Complete platform for containerized application deployment**



**Red Hat**  
**OpenShift**  
Container Platform



## Trusted Enterprise Kubernetes

- Immutable infrastructure with RHEL CoreOS and Kubernetes



## Cloud-like Experience Everywhere

- Complete set of advanced services to enhance controls, monitoring and interfaces

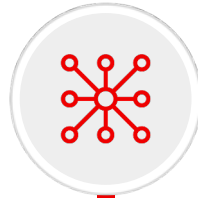


## Empowering Developers to Innovate

- Integrated with developer workflows to get applications to production sooner

# Red Hat OpenShift Platform PLUS – additional capabilities

Complete platform for deploying, managing and protecting applications across the hybrid cloud



## Centralized visibility across the hybrid cloud

- Advanced hybrid cloud foundation management tools (ACM)



## Elevating multicluster security

- Kubernetes-native security with integration across the hybrid cloud (ACS)



## Secure the application codebase

- Global application and container registry with security scanning services (Quay)



## Data services

- Consistent cluster data management for container workloads (ODF Essentials)

# Hybrid Cloud with OpenShift Platform Plus



Multi-cluster  
Management  
layer

## Multi cluster management

Observability : Discovery : Policy  
: Compliance : Configuration : Workloads

## Container registry

Container Builds : Security Scanning  
: Geo Replication

## Multi cluster security

Kube native declarative security |  
DevSecOps

Global Ingress/Egress | Global LB | Service Mesh Federation

Router layer

Node layer

Cluster A

Ingress/Router

Pod

Pod

Pod

Machine Pool's tuning/hardware offload config

Node

Node

Node

Cluster B

Ingress/Router

Pod

Pod

Pod

Machine Pool's tuning/hardware offload config

Node

Node

Node

IPsec  
East/West

Storage layer

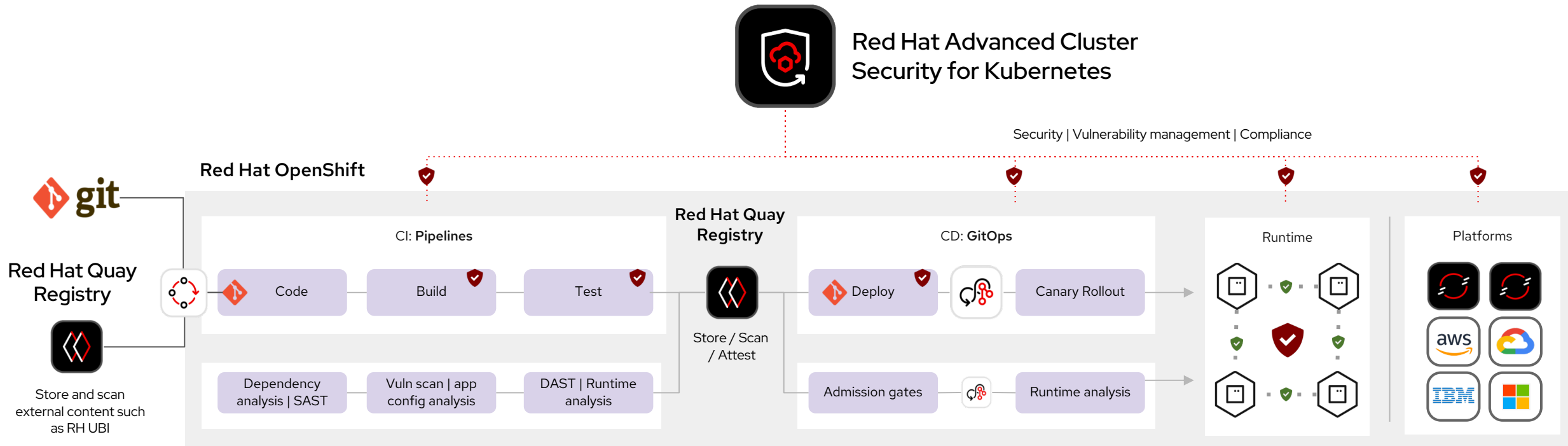
Cluster Data management

RWO, RWX, Object : Efficiency : Performance : Security : Backup : DR : Multicloud gateway

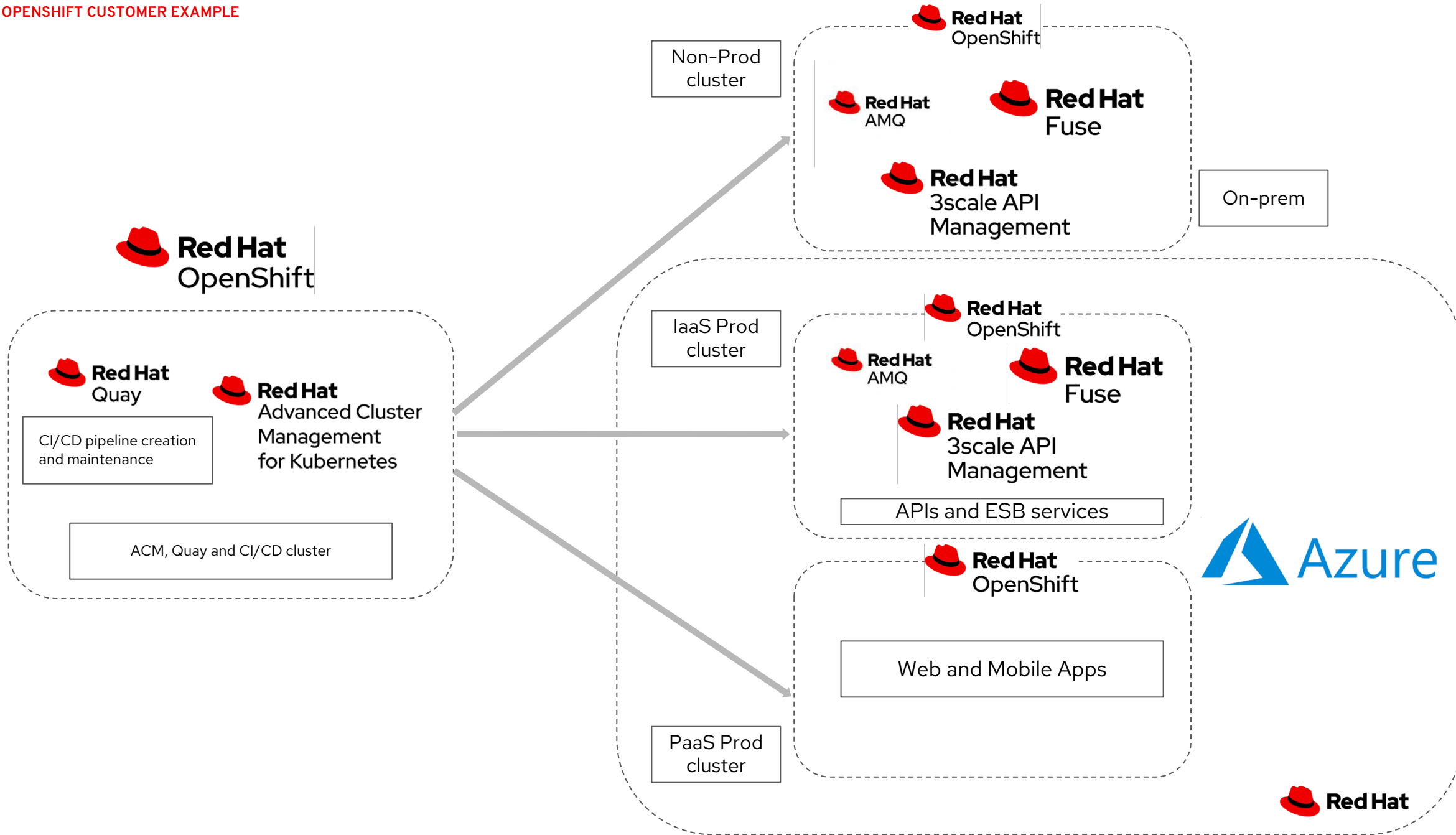


# Kickstart Supply Chain Security

with RHACS, Quay and OpenShift Platform Plus security capabilities



## OPENSIFT CUSTOMER EXAMPLE



# Business value of OpenShift Platform Plus

## A Forrester study: "The Total Economic Impact of Red Hat OpenShift Platform Plus"

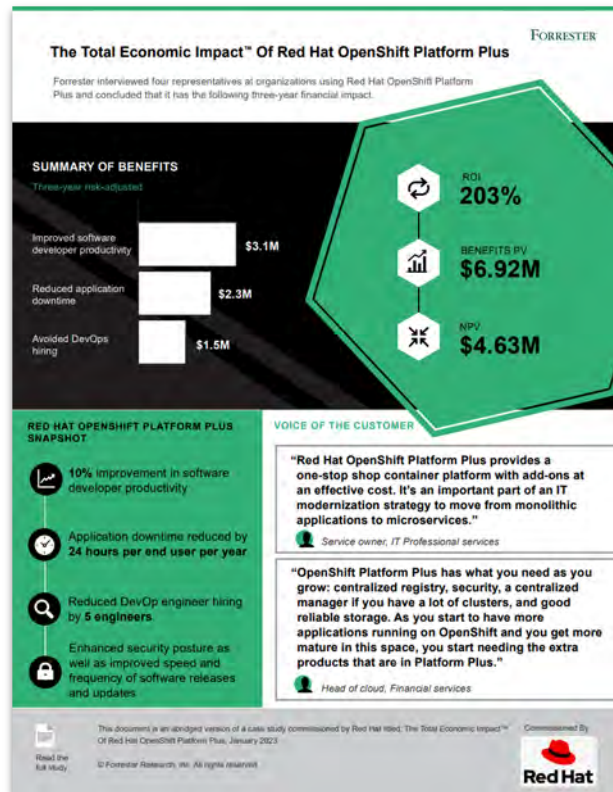


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