

IMPACT

CATALIZZATORI DIGITALI DI EFFICIENZA,
EVOLUZIONE E CRESCITA

6 OTTOBRE 2023
GRAND HOTEL RIMINI

**BE THE ARCHITECT
OF YOUR
CLOUD-NATIVE
JOURNEY**



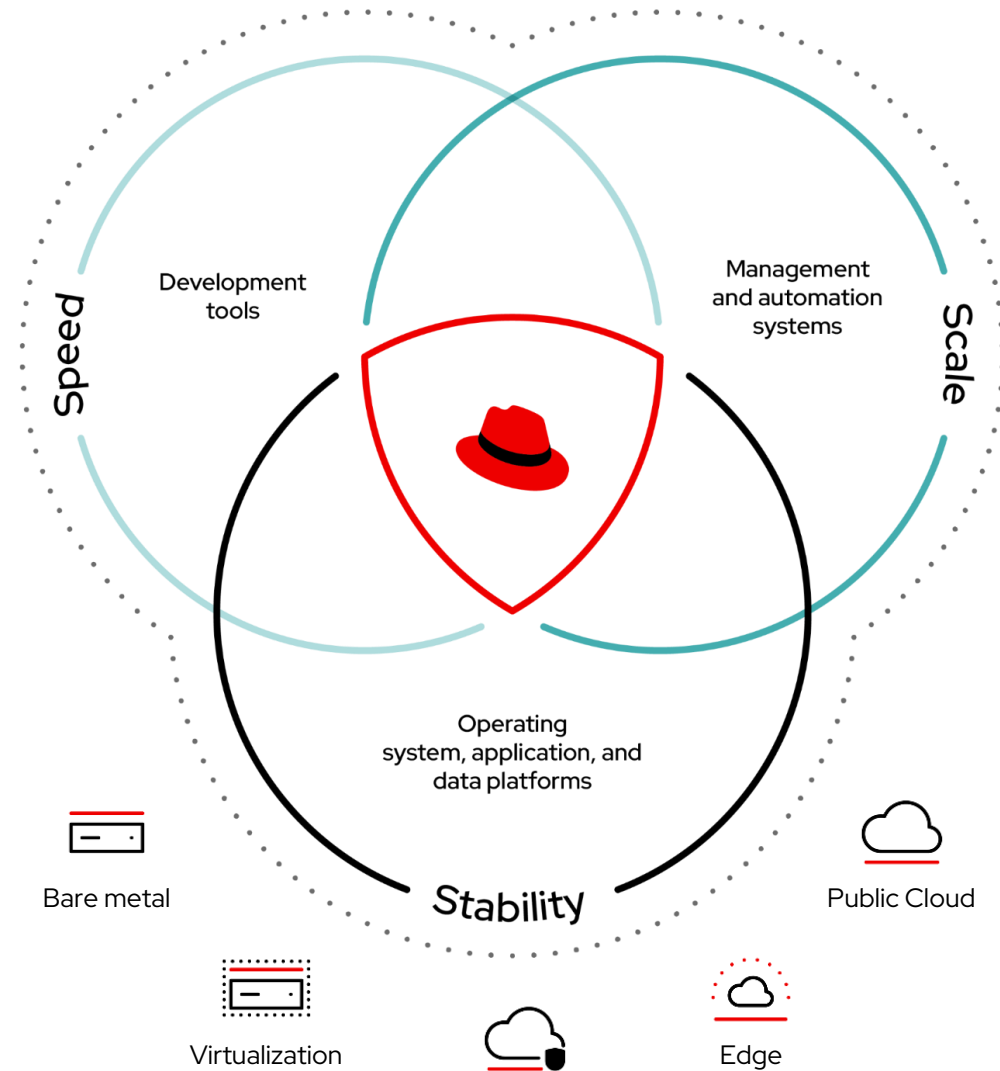
**ANDREA
MARGHERITINI**
TECHNICAL SOLUTION
ADVISOR, VEM SISTEMI



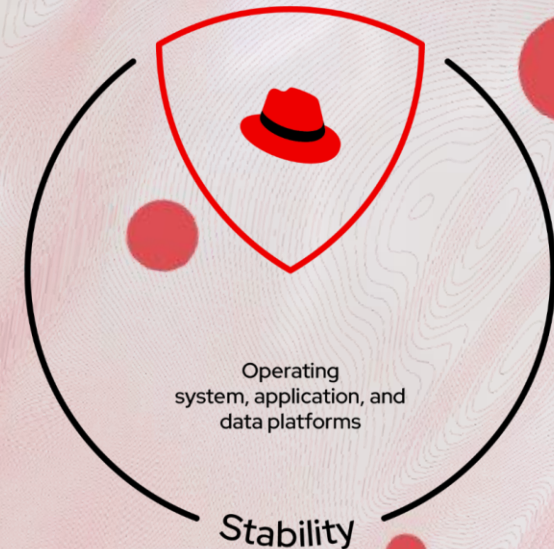
ELEONORA PERUCH
SOLUTION ARCHITECT, RED HAT

Red Hat vision & way-to: Open Hybrid Multi Cloud & Edge

Open hybrid cloud is Red Hat's recommended strategy for architecting, developing, and operating a hybrid mix of applications, delivering a truly flexible cloud experience with the speed, stability, and scale required for digital business transformation.



Run any application or workload consistently across any footprint

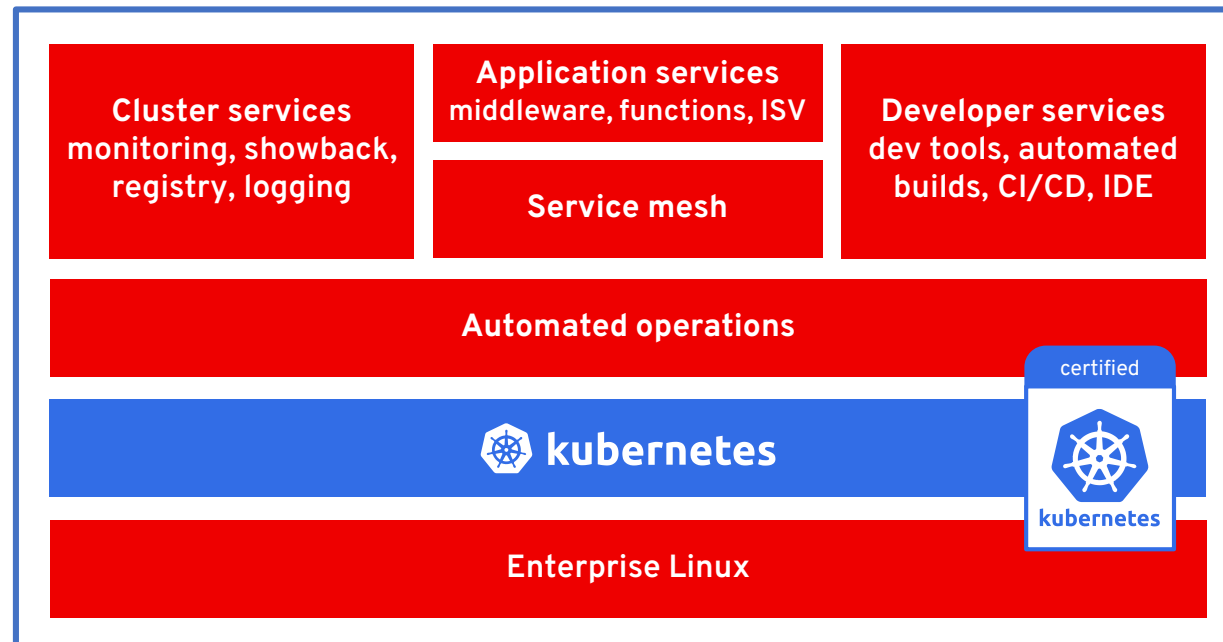


What's needed to put Kubernetes into production?



Integrates all essential components in a cohesive development platform

- Operating system
- Workload orchestration runtime
- Image registry
- Software-defined networking
- Load-balancer and routing
- Log management
- Container metrics and monitoring
- DNS
- Ingress
- RBAC
- Dev Services + CI/CD + Add-On Services



Physical



Virtual



Private cloud



Public cloud



Edge

“ Multicloud use continues to grow. Today, 60% of surveyed technology practitioners and decision-makers are using multicloud. In the next 12 months, that number will swell to 81%. ”

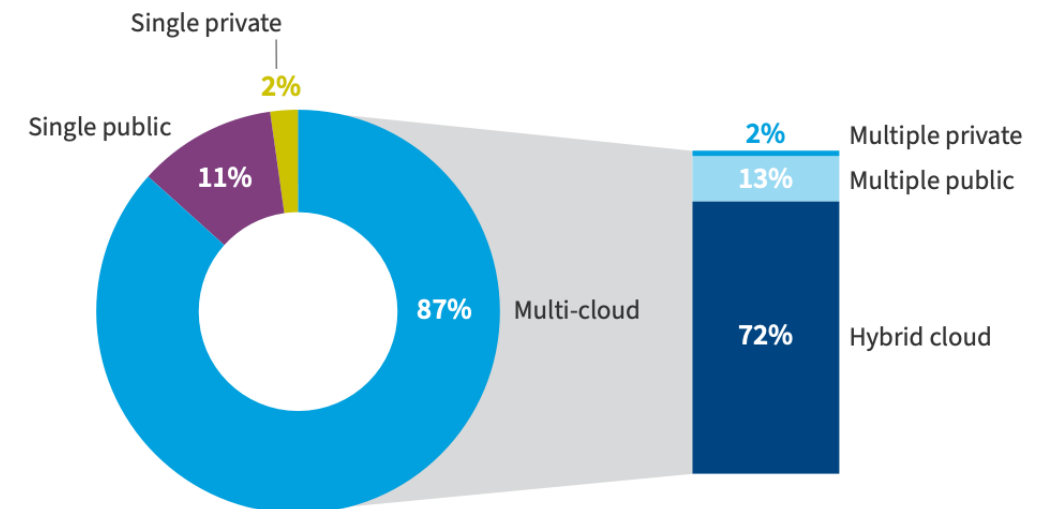
Forrester Research

- 1 Hybrid Cloud has hit a **point of maturity**
- 2 Cloud Teams have **hit limitations** with current tooling
- 3 Management and Governance has **become untenable**

Source: unlocking-multiclouds-operational-potential-forrester



Organizations embrace multi-cloud



N=750
Source: Flexera 2023 State of the Cloud Report

flexera.

Red Hat Advanced Cluster Management for any k8s, wherever it is



End-to-end automation with Red Hat Ansible Automation Platform integration



Multicluster lifecycle management



Policy driven governance, risk, and compliance



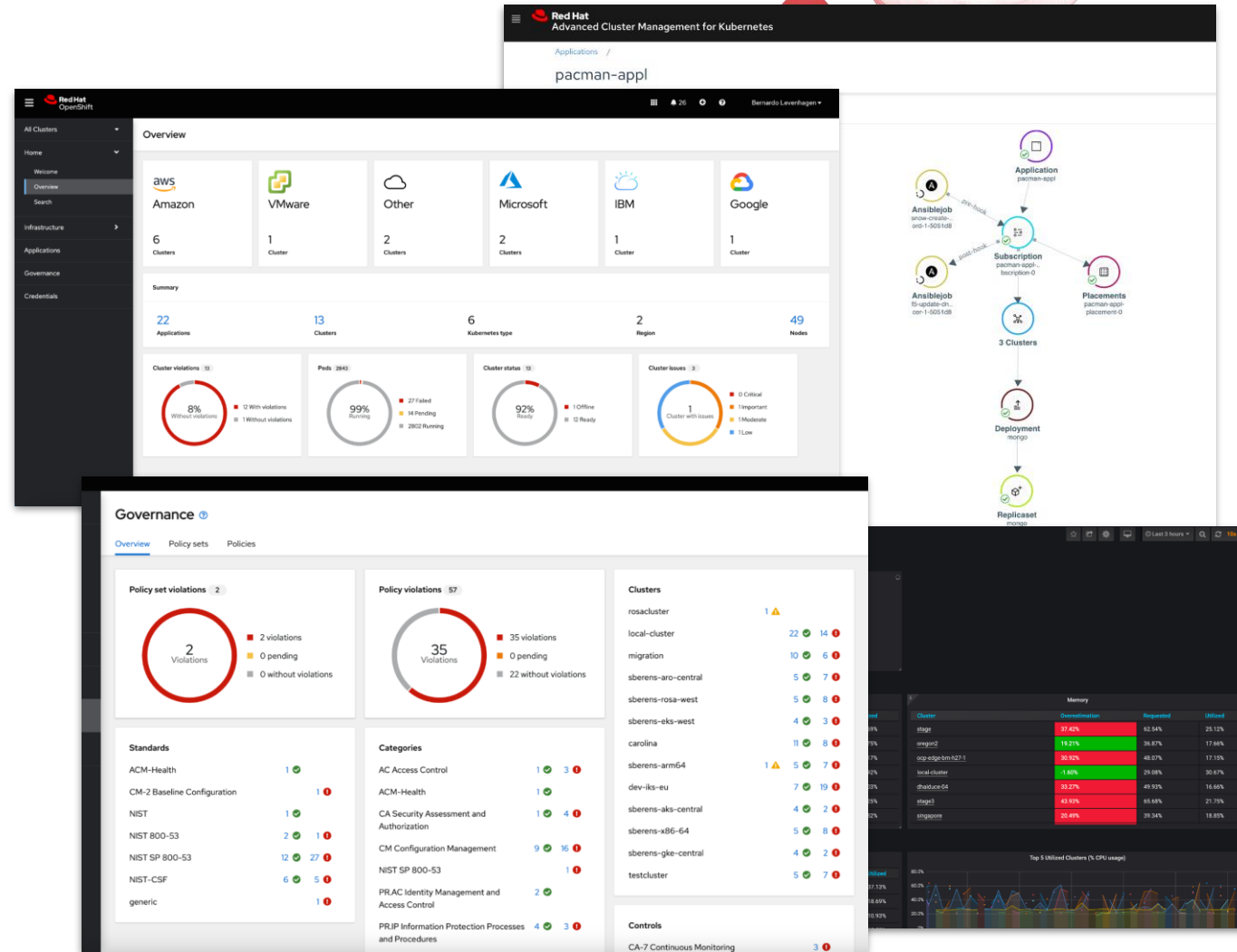
Advanced application lifecycle management



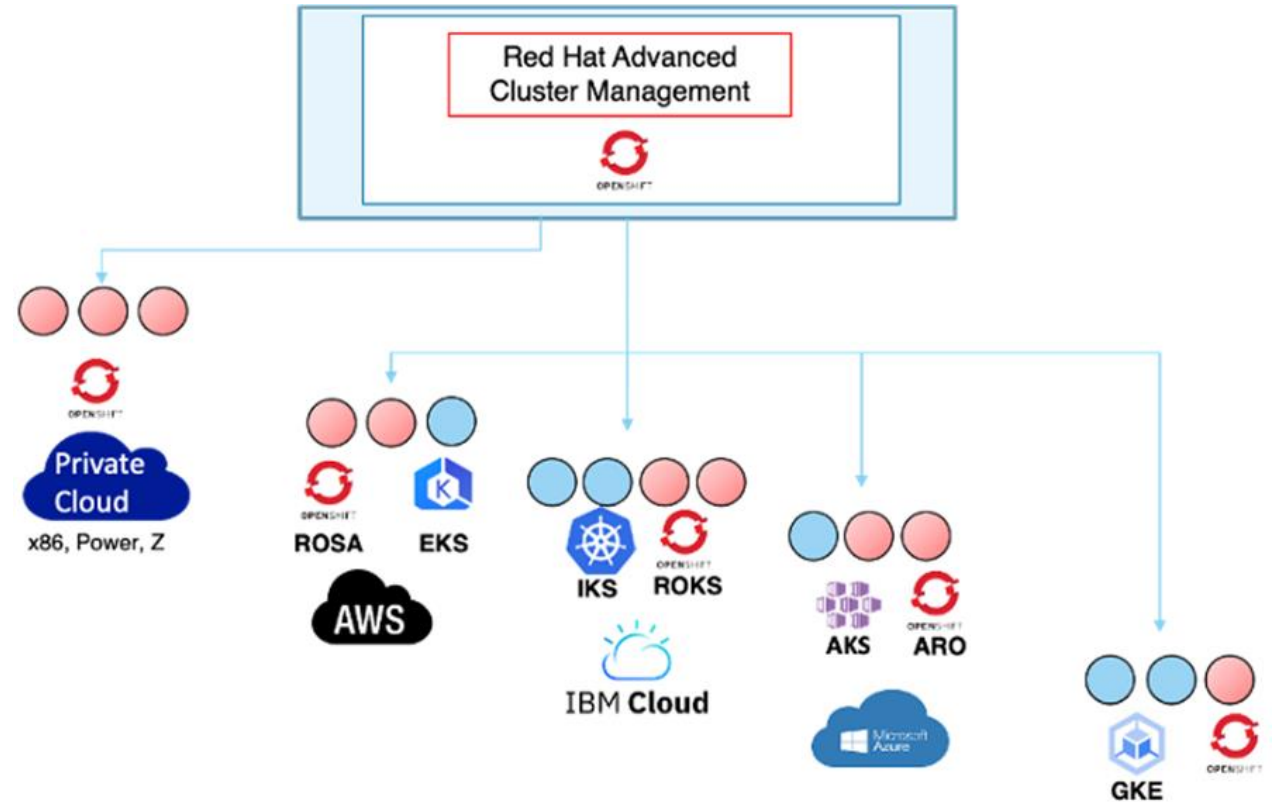
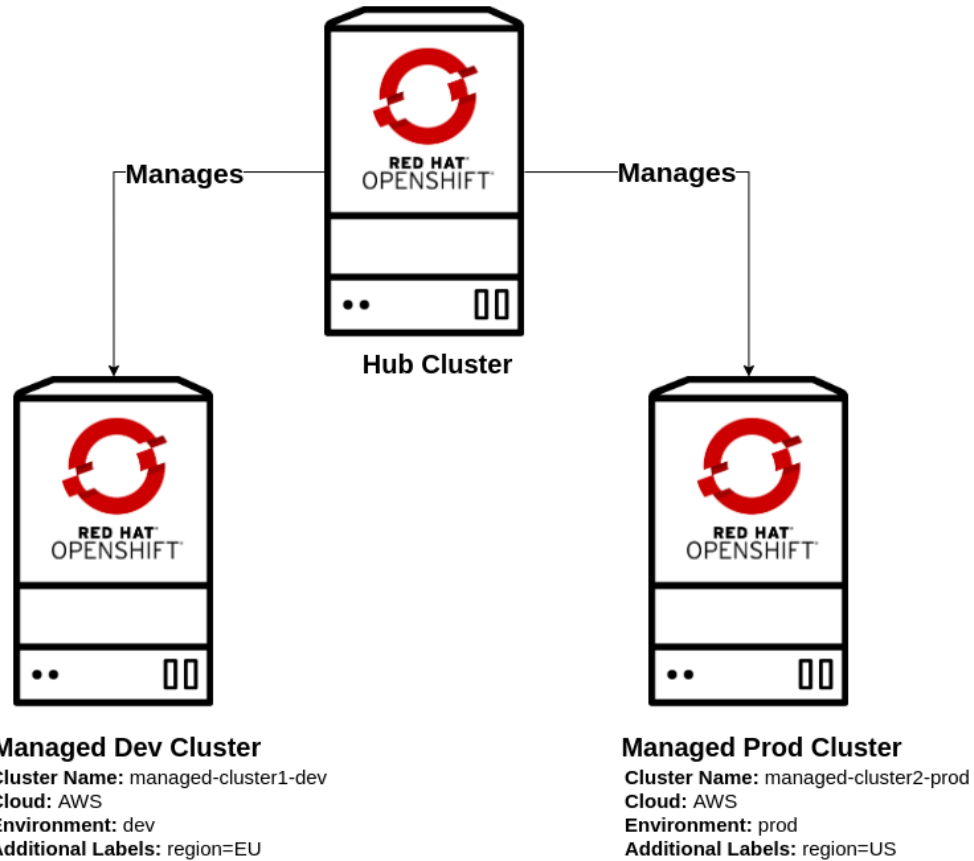
Multicluster Observability and Search for health and optimization



Multicluster networking for interconnecting apps



Managing multiple cluster and resources with ACM



Red Hat Service Interconnect

Hybrid Cloud Application Networking

Simplifies application and service connectivity across environments including clouds, containers, VMs and bare-metal

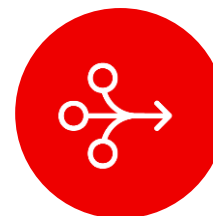
Protects your organization's infrastructure and data

Allows application connectivity to be more **portable** in **hybrid or multi-cloud** scenarios

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Portable



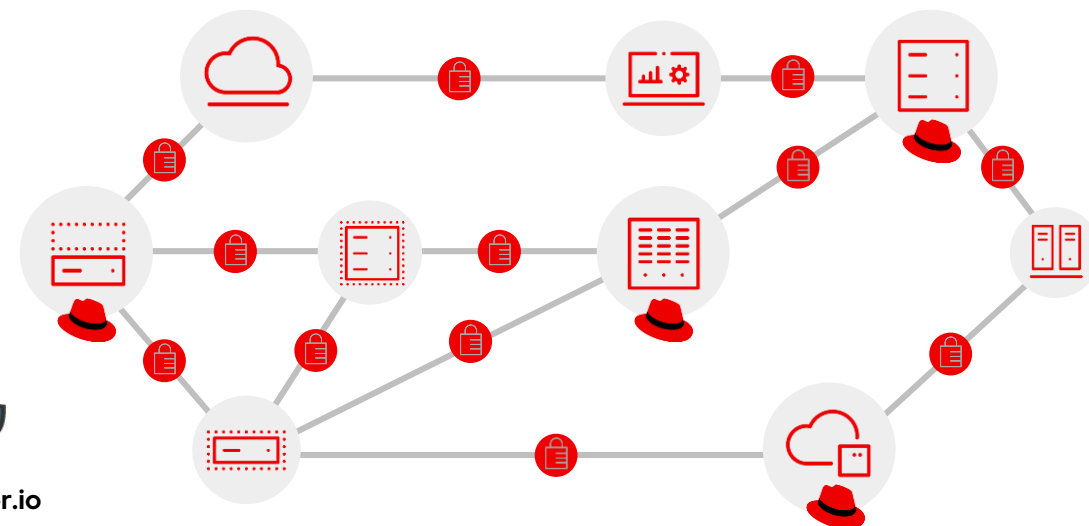
Simple



Protected

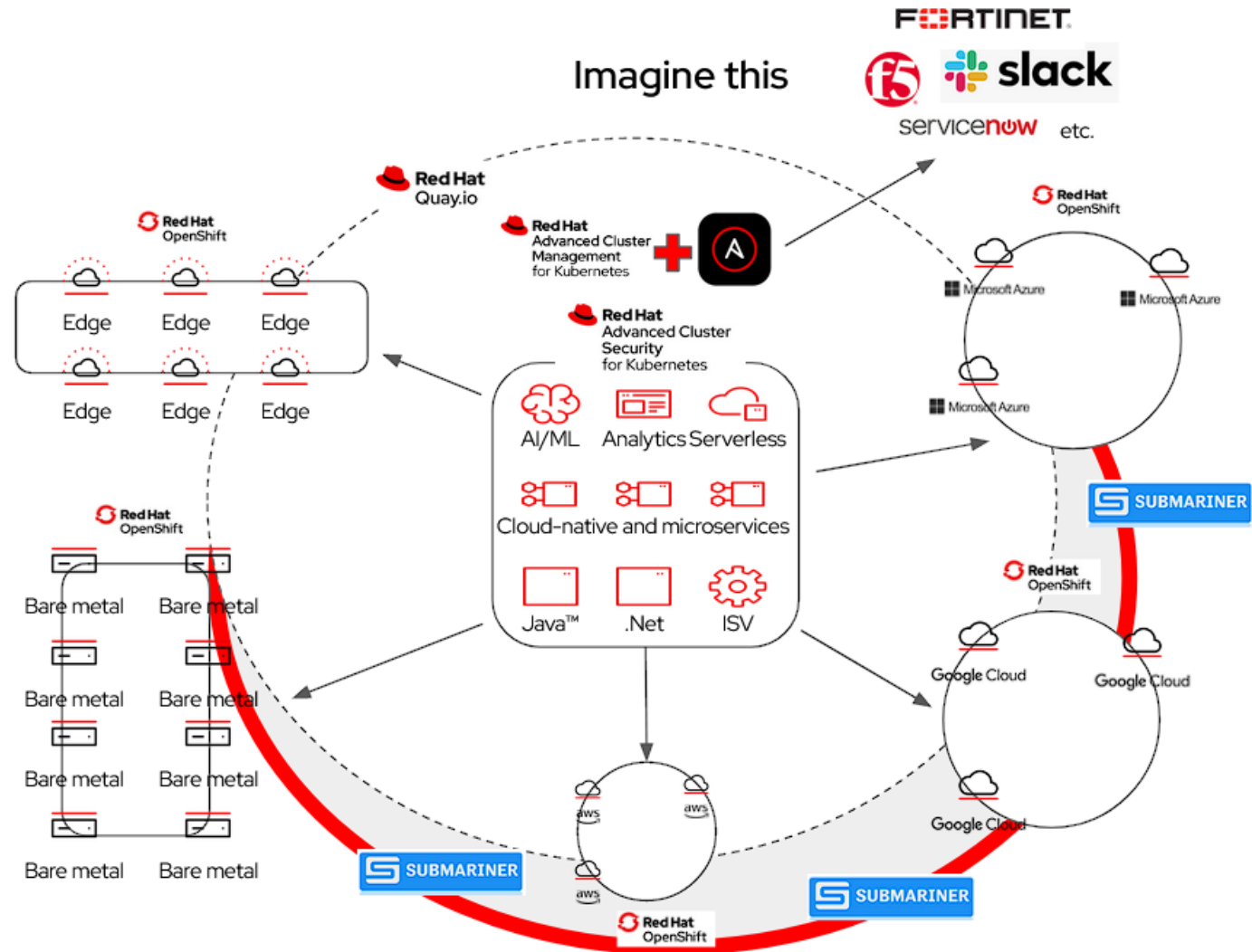


Hybrid

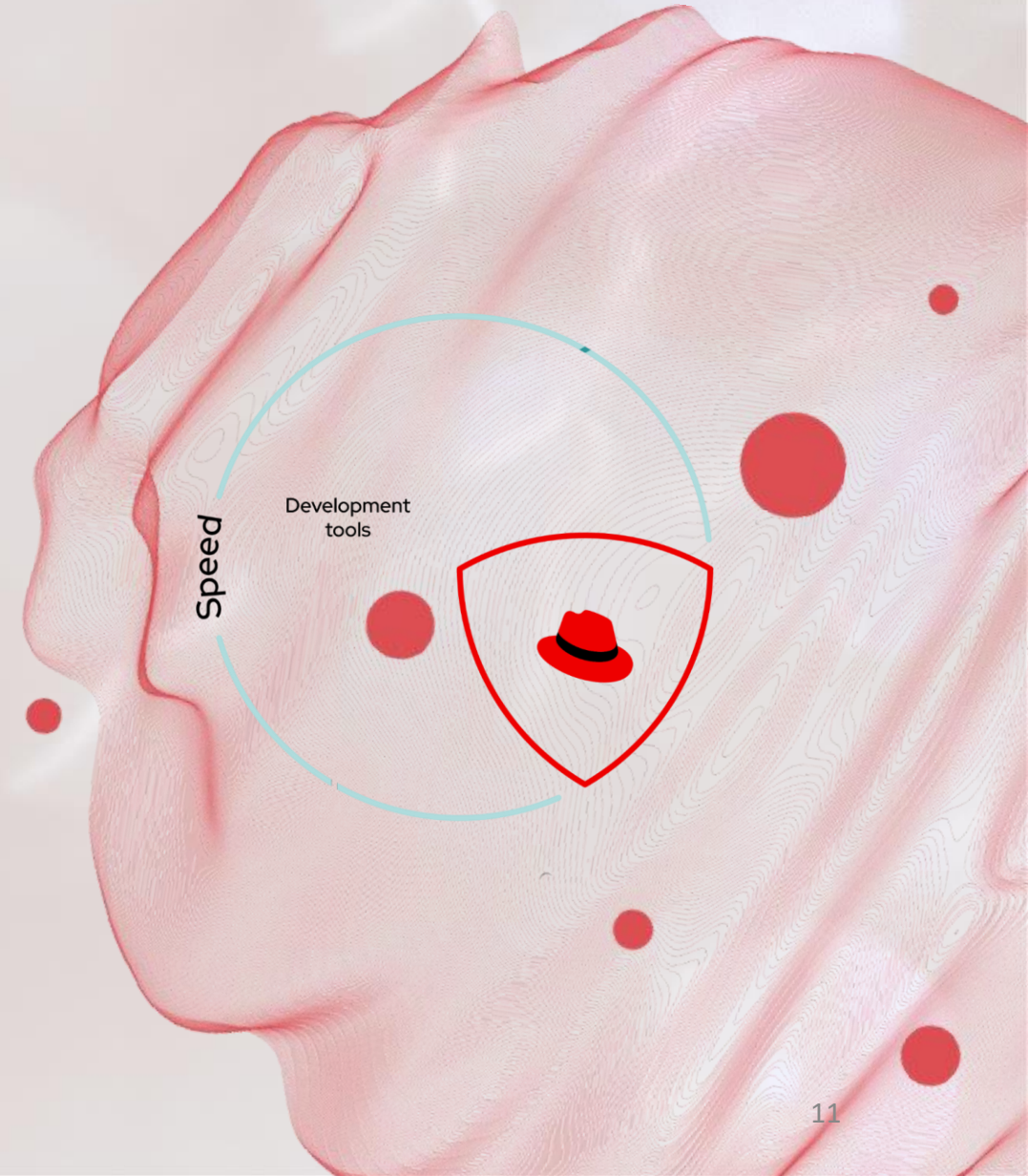


Based on **Skupper.io**

Shift any workload, anywhere, with unique governance and a comprehensive underlying infrastructure



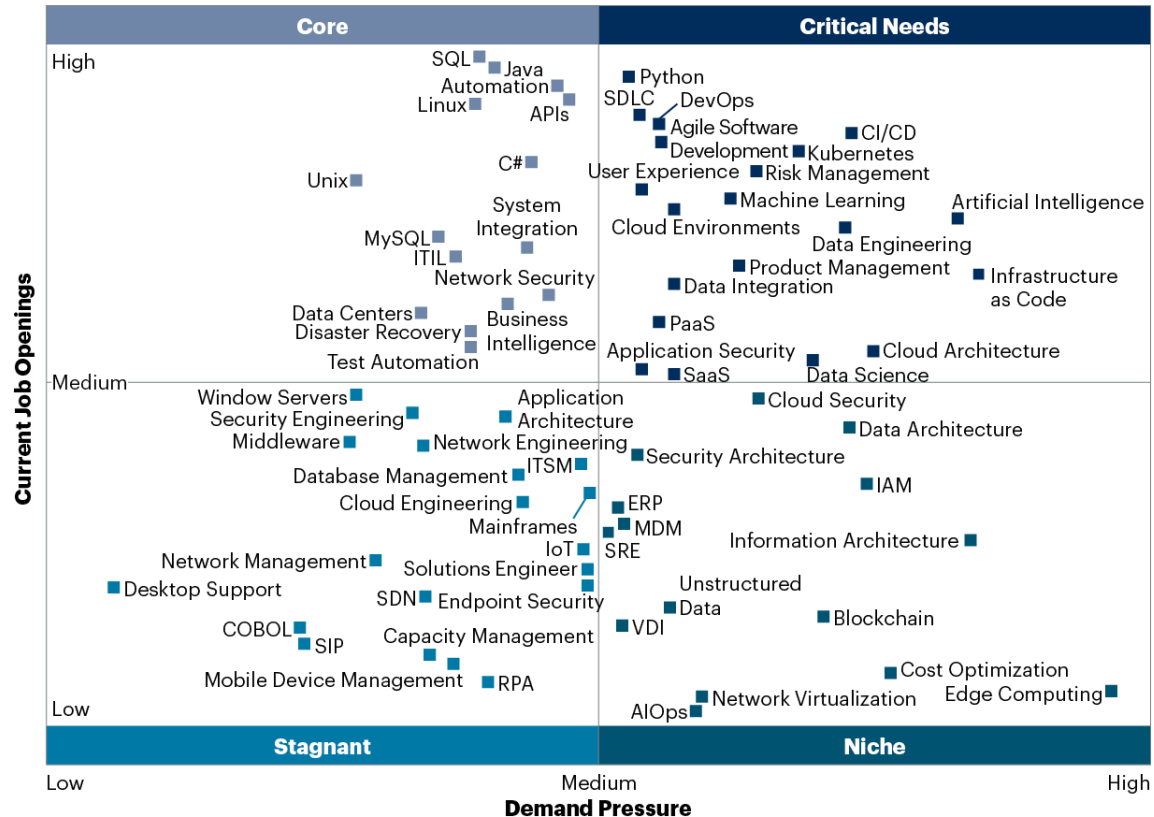
**Help developers quickly
build, deploy, and
manage applications**



CI/CD: a critical need



Map Market Demand and Pressure for IT Skills, 2022 IT Skills Quadrant



For most of human history technology advanced slowly.

Fire. The wheel. Gunpowder. Steam. The microprocessor.

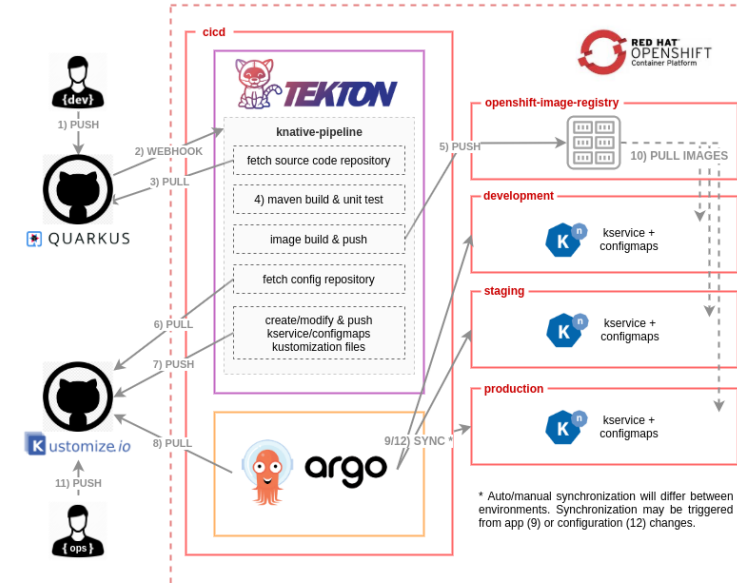
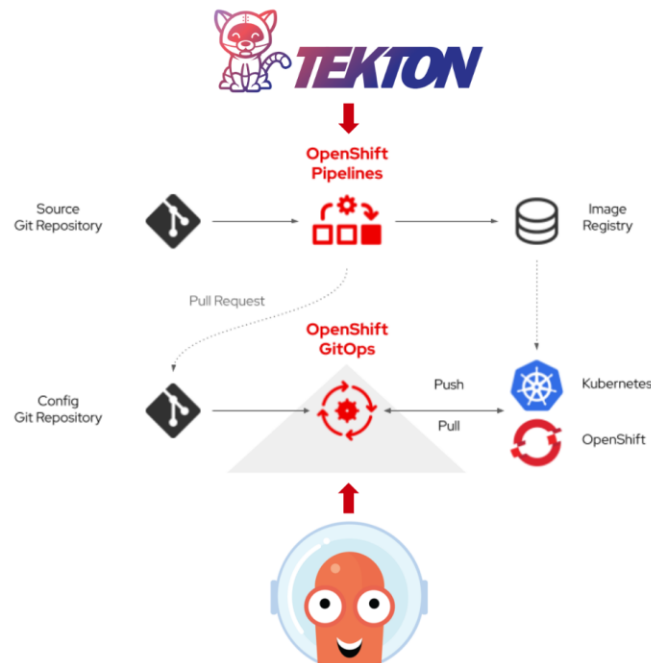
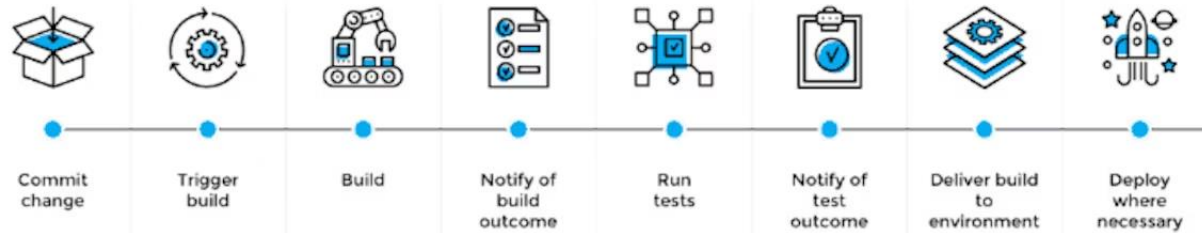
Now, with communication, industrial capacity, and economic forces as tailwinds, it takes only a few years for physical technology innovations to reach the industrialized world, and only months for virtual technology to do the same.

Source: Gartner
777360_C

Treat anything as a code... pipeline and test it NOW!



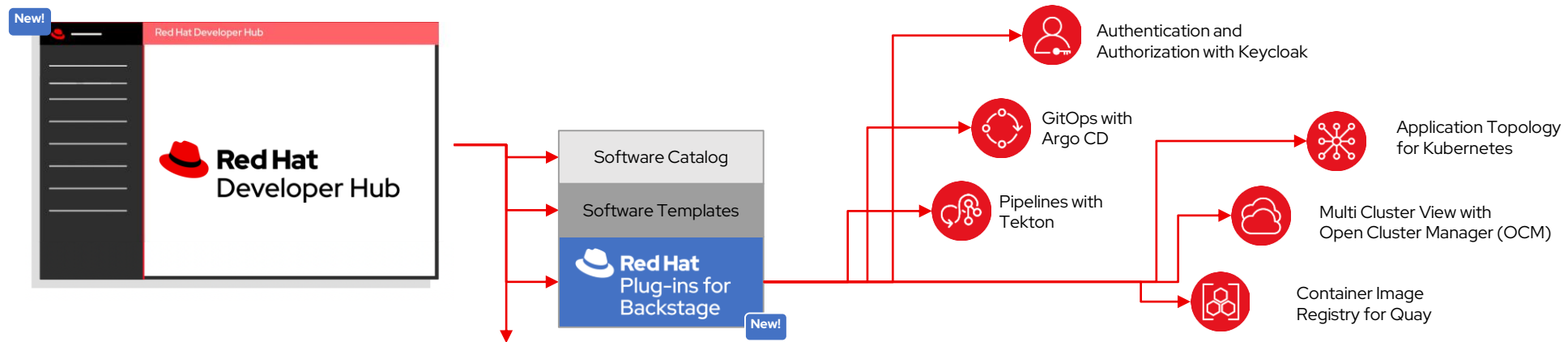
CI/CD Pipeline



Red Hat Developer Hub & Red Hat Plugins for Backstage



Introducing a renewed developer experience



Integrates with industry standards and technologies through a broad ecosystem.



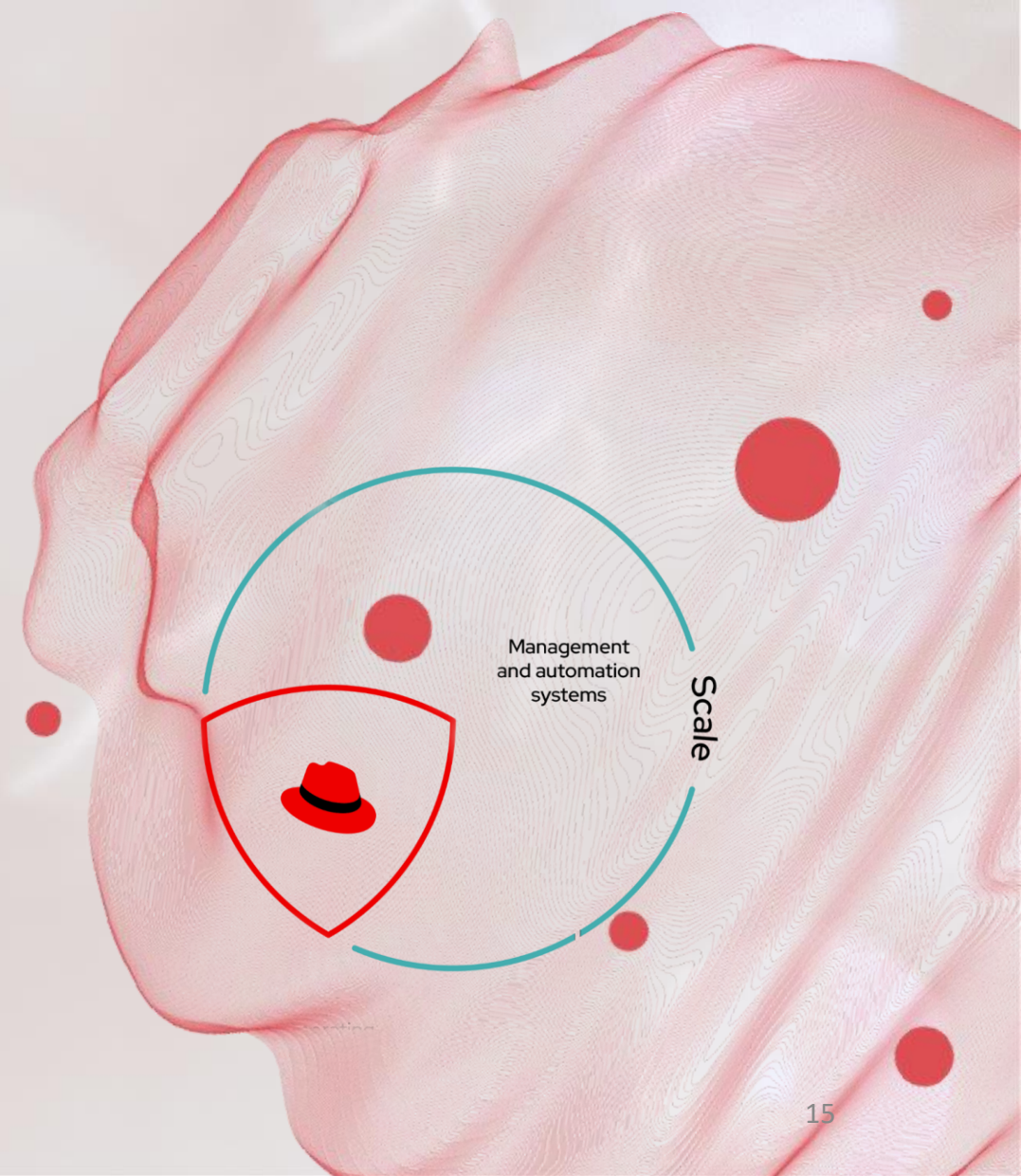
Based on Backstage, an open source platform for building developer portals.



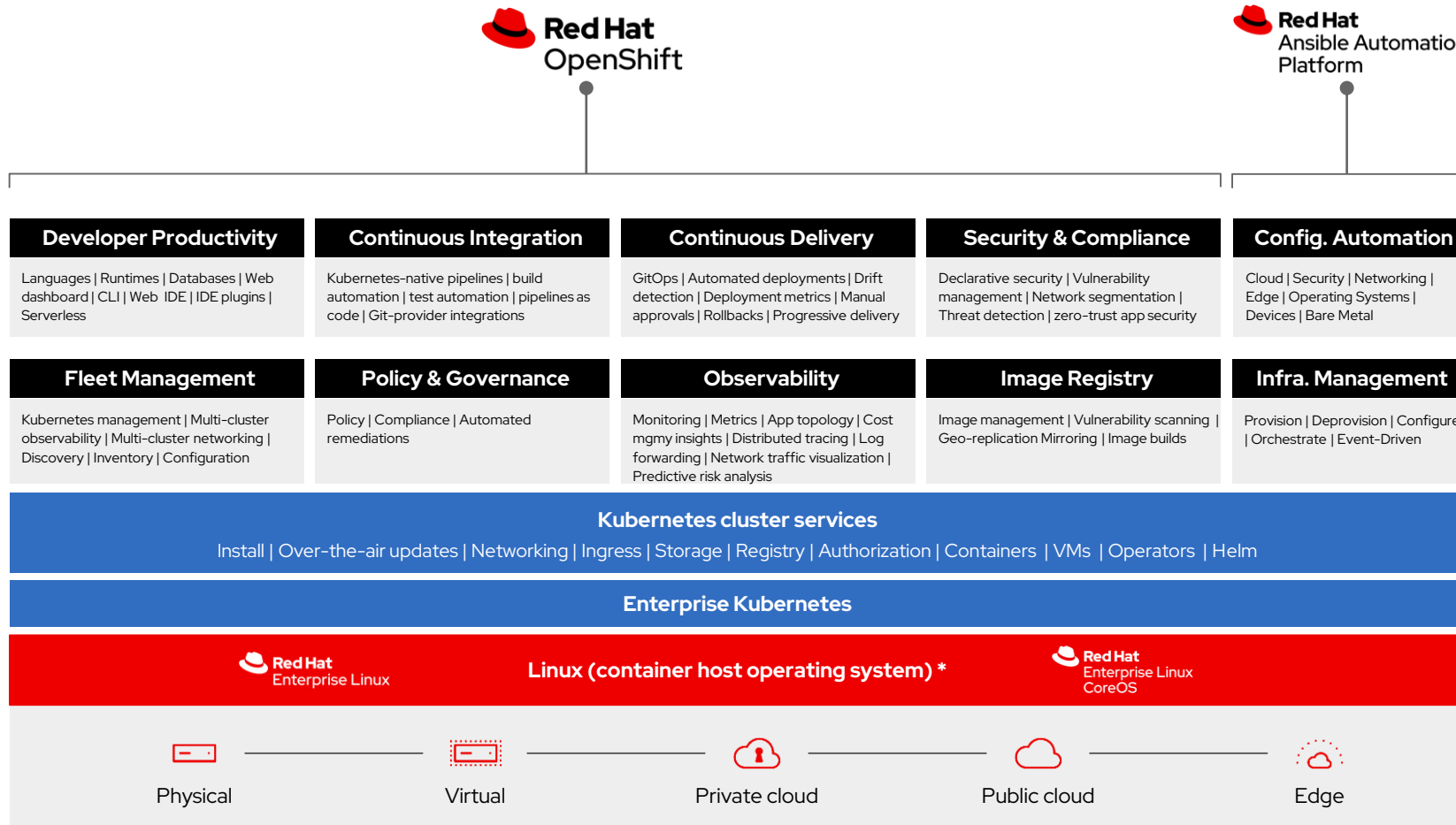
Consistent developer experience across environments.



Simplify, Automate and secure processes

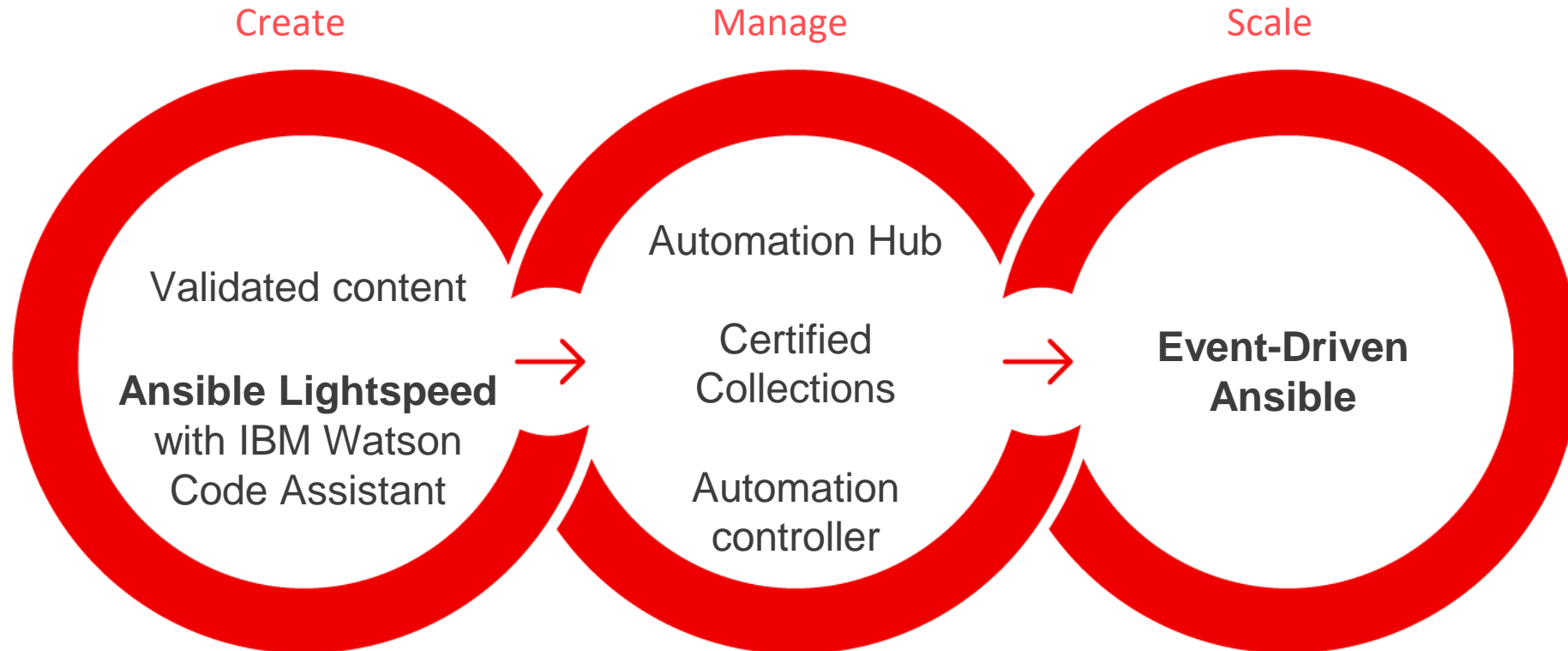


Red Hat OpenShift & Ansible powered DevOps Platform



What Ansible can do for you

Delivering on the core promise of Ansible Automation Platform 2



Hybrid is also Virtualization and Container

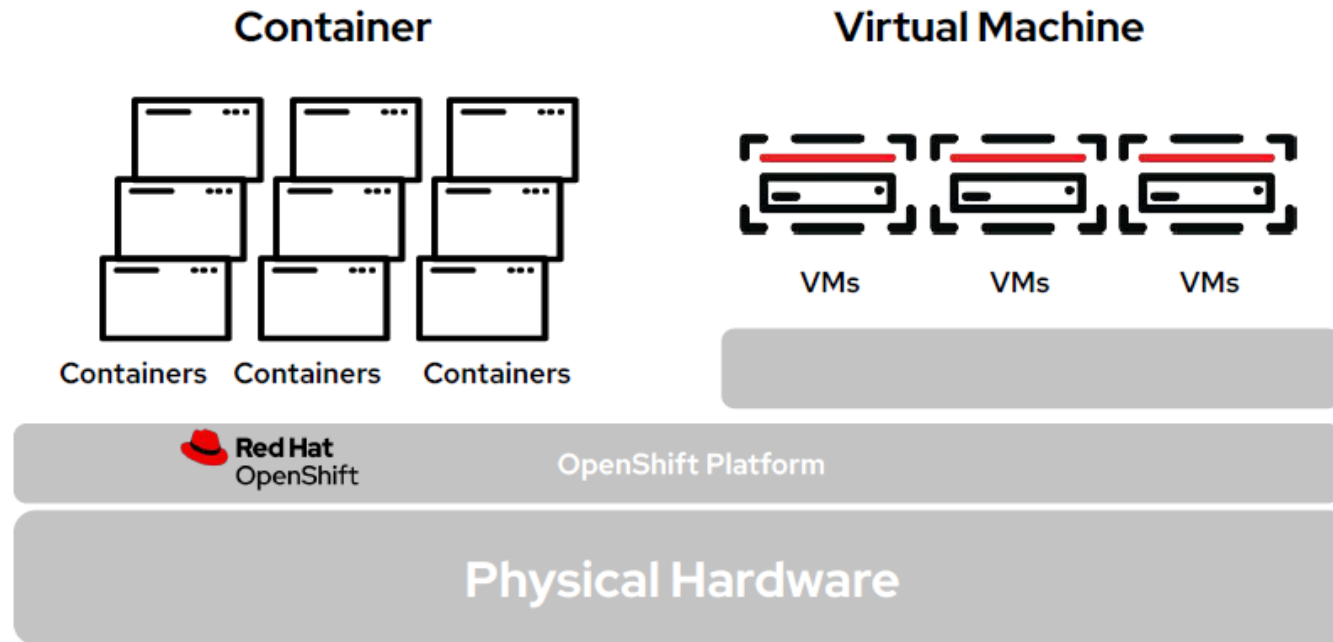


Leverage Infrastructure for both Container and Virtual Machine

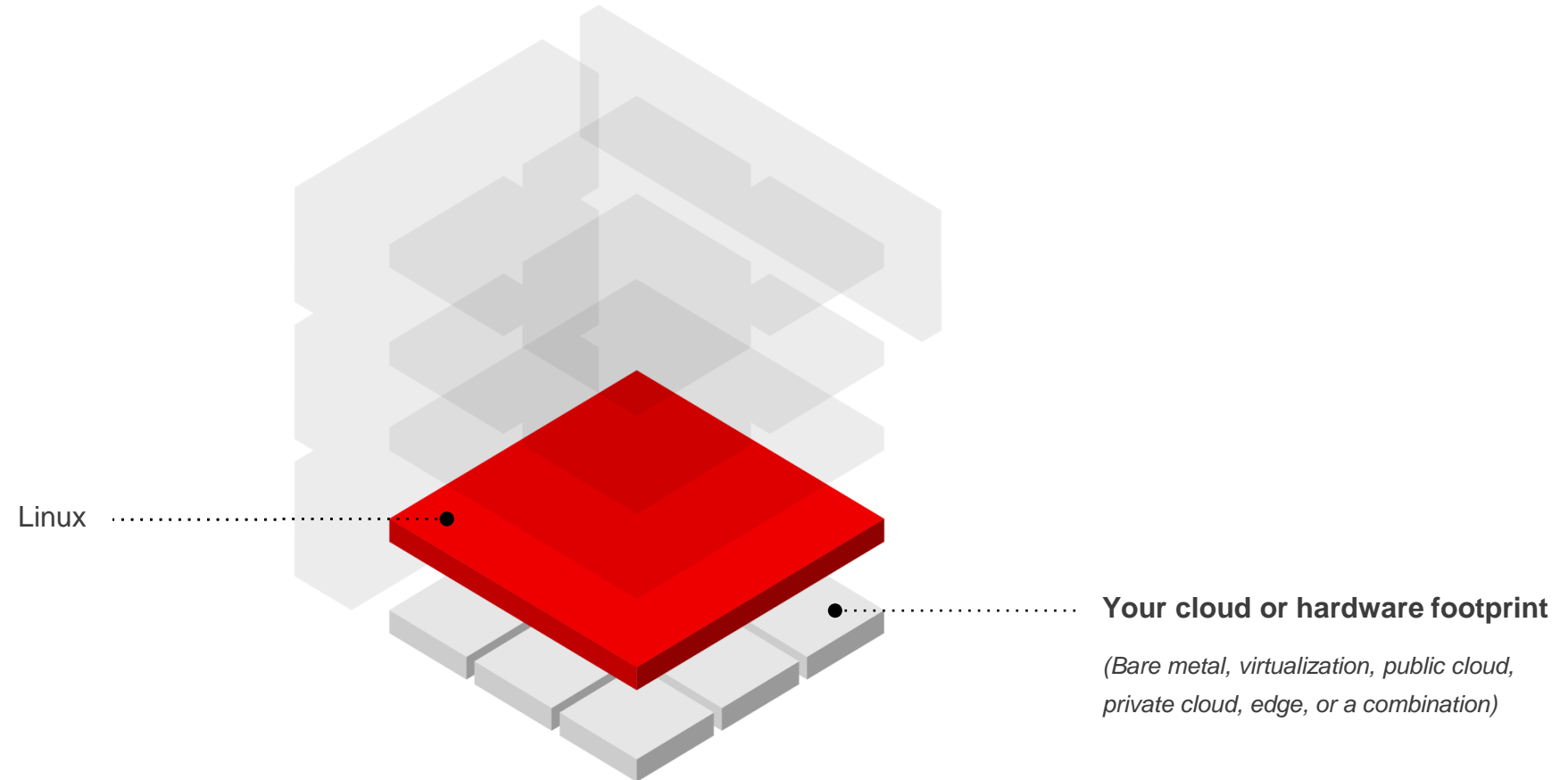
Increase bare metal node utilization by deploying multiple hosted clusters

Reduce dependency on Legacy Virtualization

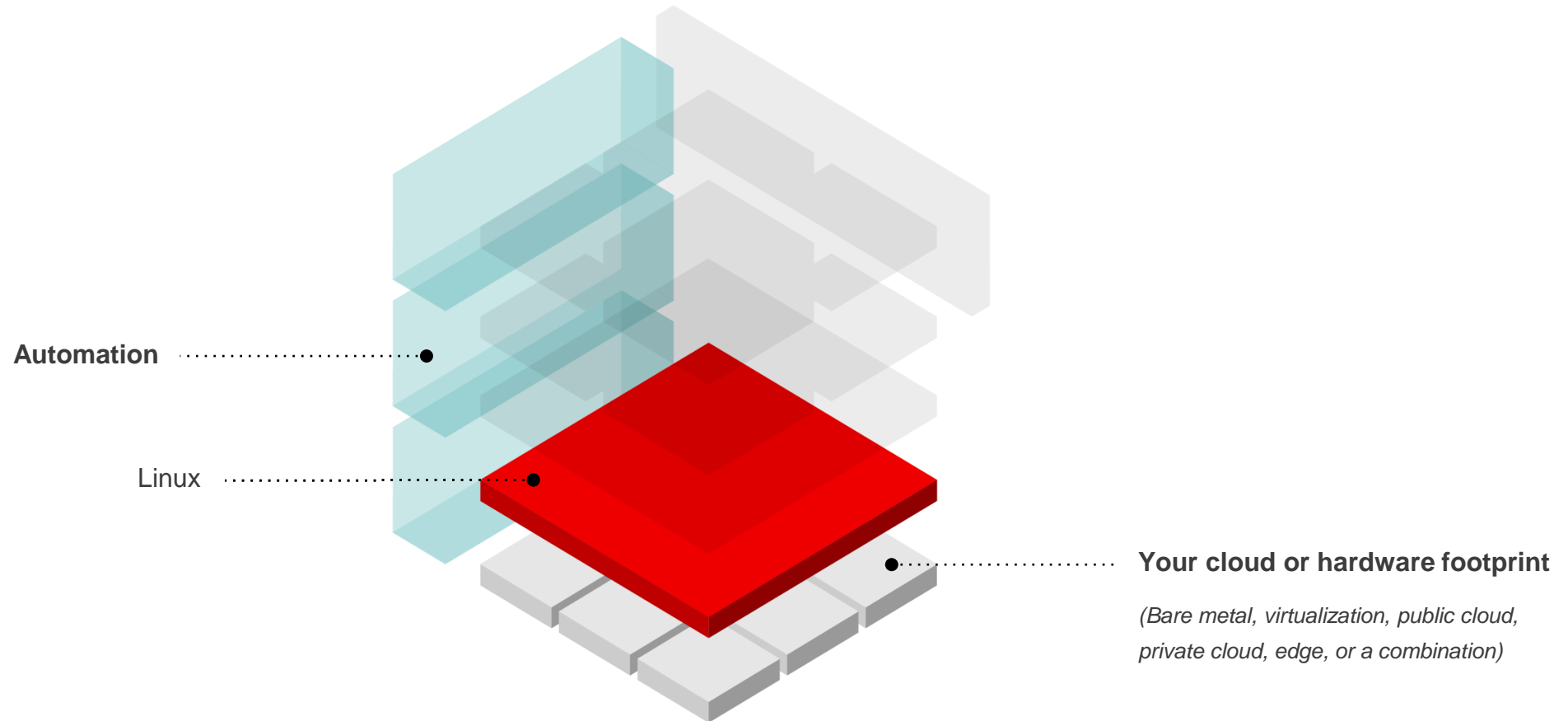
Underlying virtualization layer is included with OSC entitlements



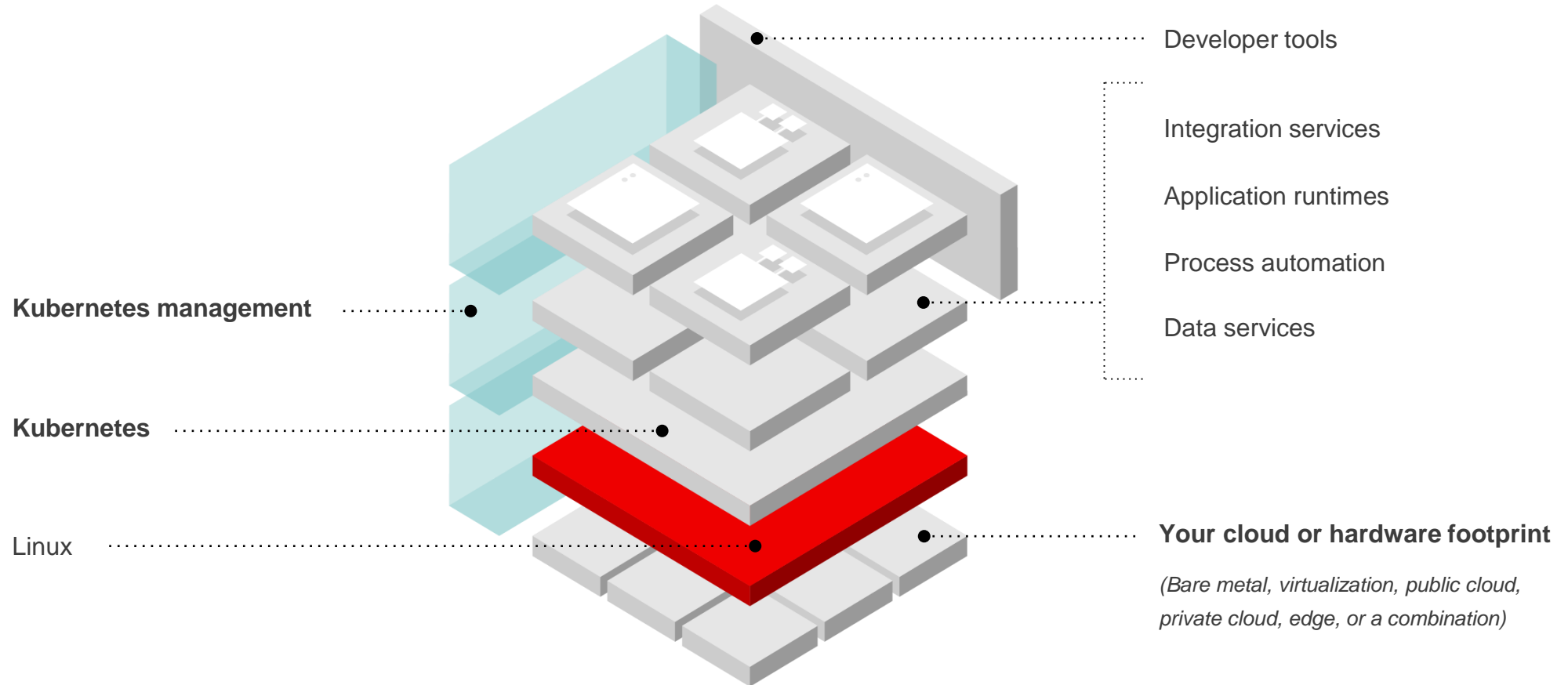
Scale to any cloud or hardware footprint



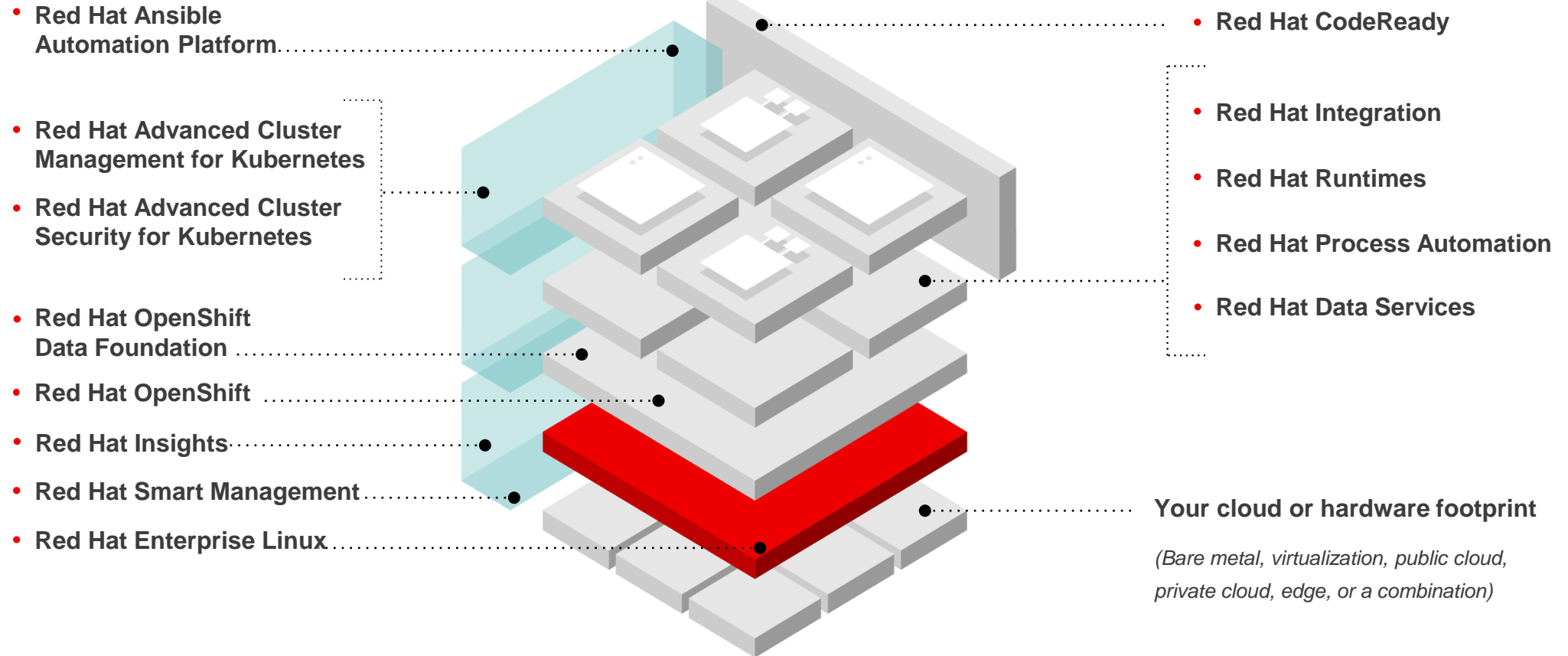
Scale your operations through repeatability



Scale with policy-driven deployment in Kubernetes



Open hybrid cloud with Red Hat



Thank you

