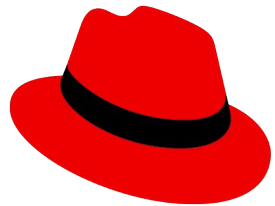


Red Hat
Summit

Connect

Open Hybrid Cloud

A consistent Experience anywhere you run



Red Hat

Mikael Diwing

Sr Solution Architect
Red Hat

Torbjörn Olsson

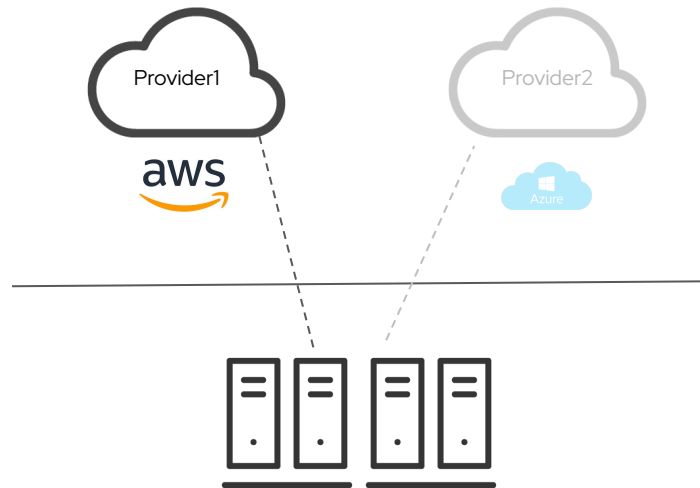
Sr Solution Architect
Red Hat

Hybrid- and multi-cloud

What is it? And what is the pros and cons?

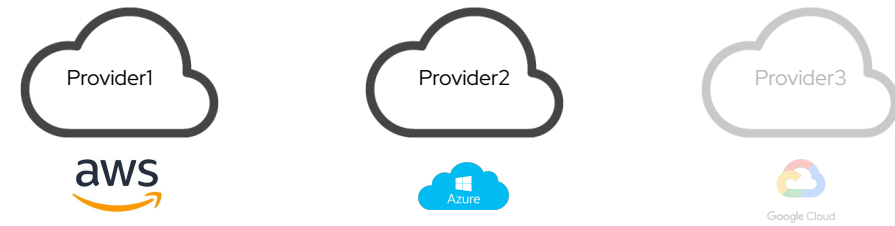
Hybrid-cloud vs Multi-cloud

(Multi) Hybrid Cloud



Mobility from/to on-prem to minimum one cloud provider

Multi Cloud



Services used from minimum two cloud provider

Benefits of Hybrid- and Multi-cloud

Large selection of clouds capabilities

Flexibility and Agility

Compute and data close to usage

Security and compliance

Cost optimization

Benefits of Hybrid- and Multi-cloud

Large selection of clouds capabilities

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Organizational and technical challenges

Changes ways of working and responsibilities

Implementation

Manage & maintaining multiple environments is complex

Visibility

Improved resilience and app portability is not by default

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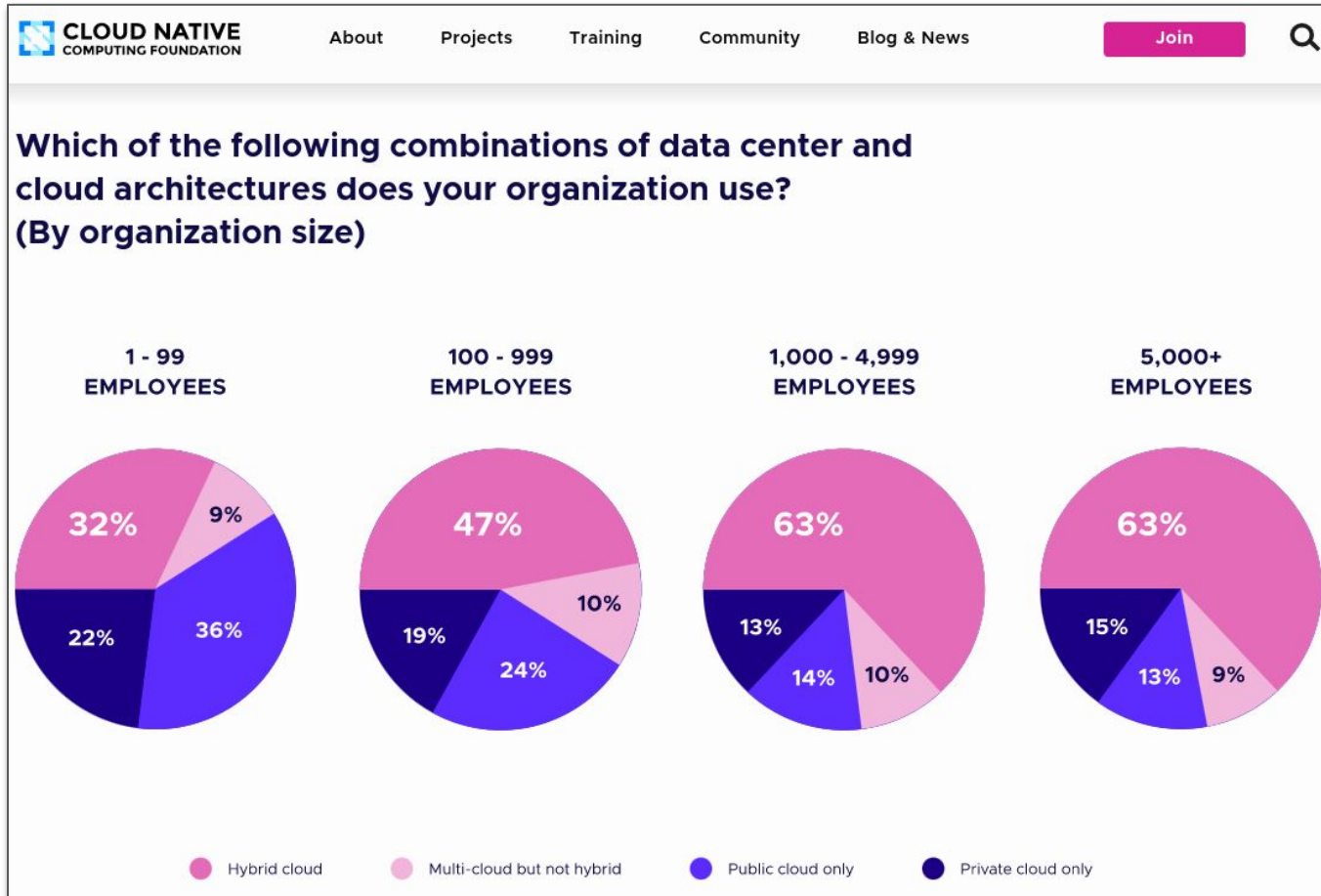
Implementation

Manage & maintaining multiple environments is complex

Visibility

Improved resilience and app portability is not by default

Hybrid cloud is a reality, especially in larger enterprises



Public cloud only

Mostly found in small (startup) enterprises

Hybrid cloud

The dominant cloud strategy in larger enterprises

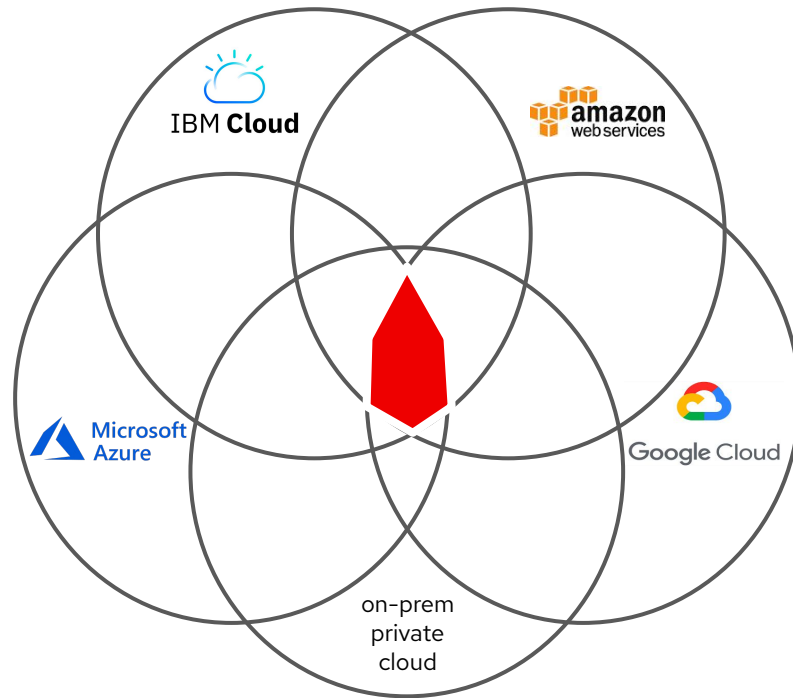
Portability and interoperability

The ultimate end goal of hybrid architectures

Options for interoperability & app portability

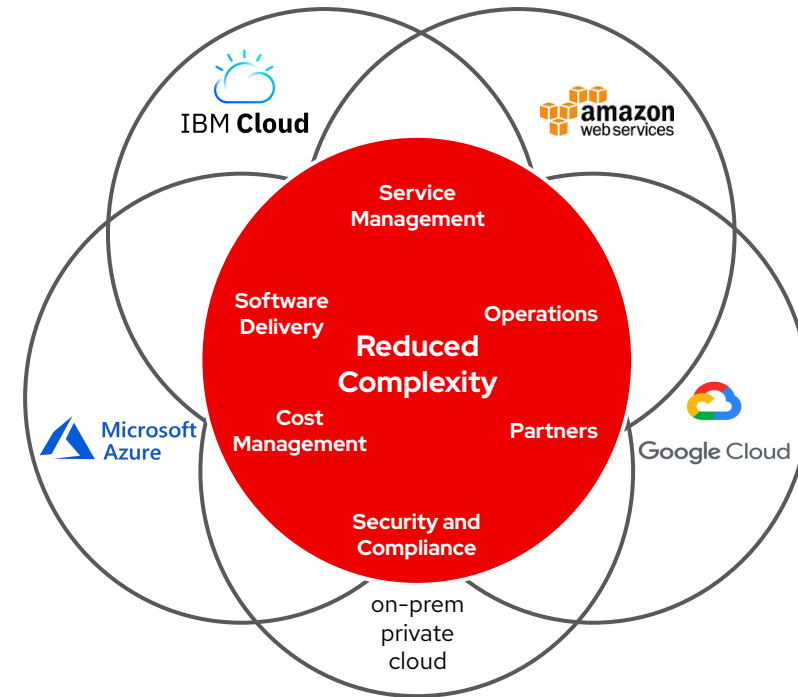
Limit cloud usage

- to a small set of portable services
- that are common on all platforms



Use a technology layer

- that has a large set of services
- and is available for all platforms



What is required to achieve Portability and Consistency across Hybrid and Multi Cloud?

A Technology Layer and platform that provides:



Dev

Consistent developer experience: Code, build, deploy



Sec

Consistent operational interface with automated operations

A cloud-agnostic connectivity and data infrastructure platform



Ops

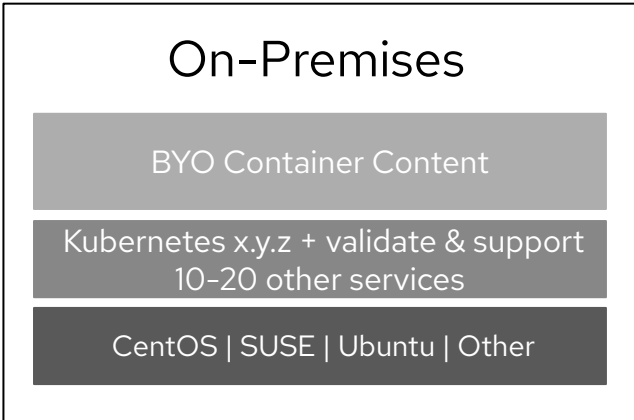
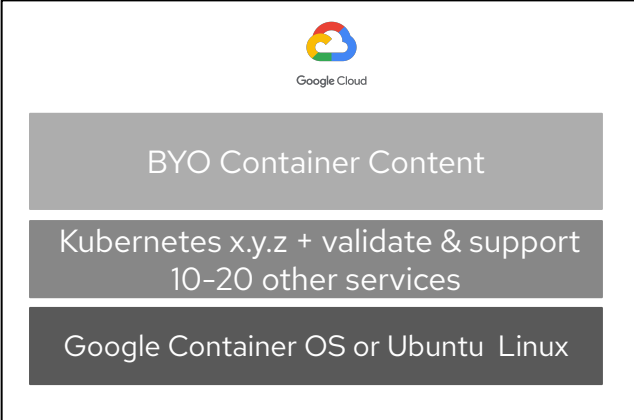
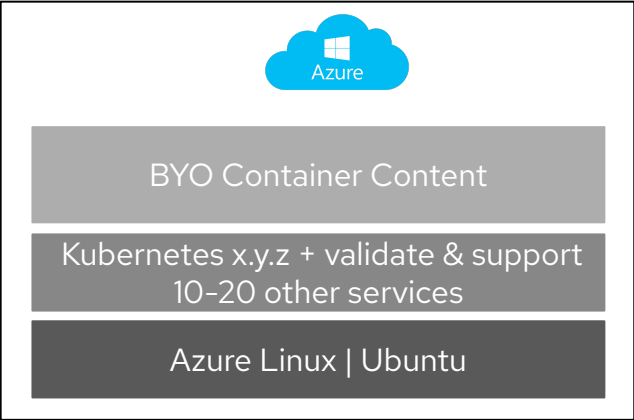
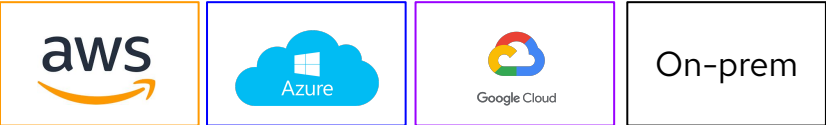
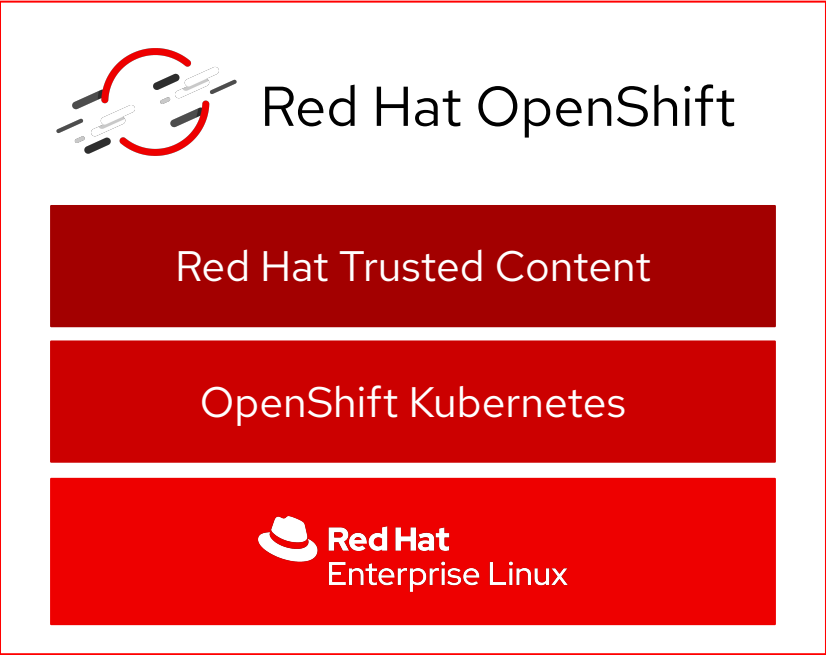
DevOps tooling compatible across clouds

A single, more secure Linux operating system across all infrastructures



Kubernetes provides Consistency Across the Hybrid Cloud?

Red Hat provides a consistent foundation of open interoperable technologies. All the way from the Container Image to the Container Engine, Container Host and additional tools and services.



Red Hat OpenShift

The **consistent** application platform that enables **portability** and ensures **compatibility**.

The Forrester Wave™: Multicloud Container Development Platforms, Q4 2023



“Red Hat sets the pace with enterprise IT capabilities and massive market presence. With OpenShift’s systematic innovation and development on multiple fronts, Red Hat has helped transform the MCP market segment.”

“The demand for OpenShift prompted AWS and Microsoft Azure to sell OpenShift as a managed service, despite having their own Kubernetes-based container services. Red Hat’s differentiated strategic vision is to up the ante on enterprise-grade open source computing.”

The Forrester Wave™: Multicloud Container Development Platforms, Q4 2023: The Eight Providers That Matter Most and How They Stack Up
Oct 2023

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Red Hat OpenShift for a second year in a row is recognized as a Leader in the 2024 Gartner® Magic Quadrant™ for Container Management with highest completeness of vision.

Figure 1: Magic Quadrant for Container Management

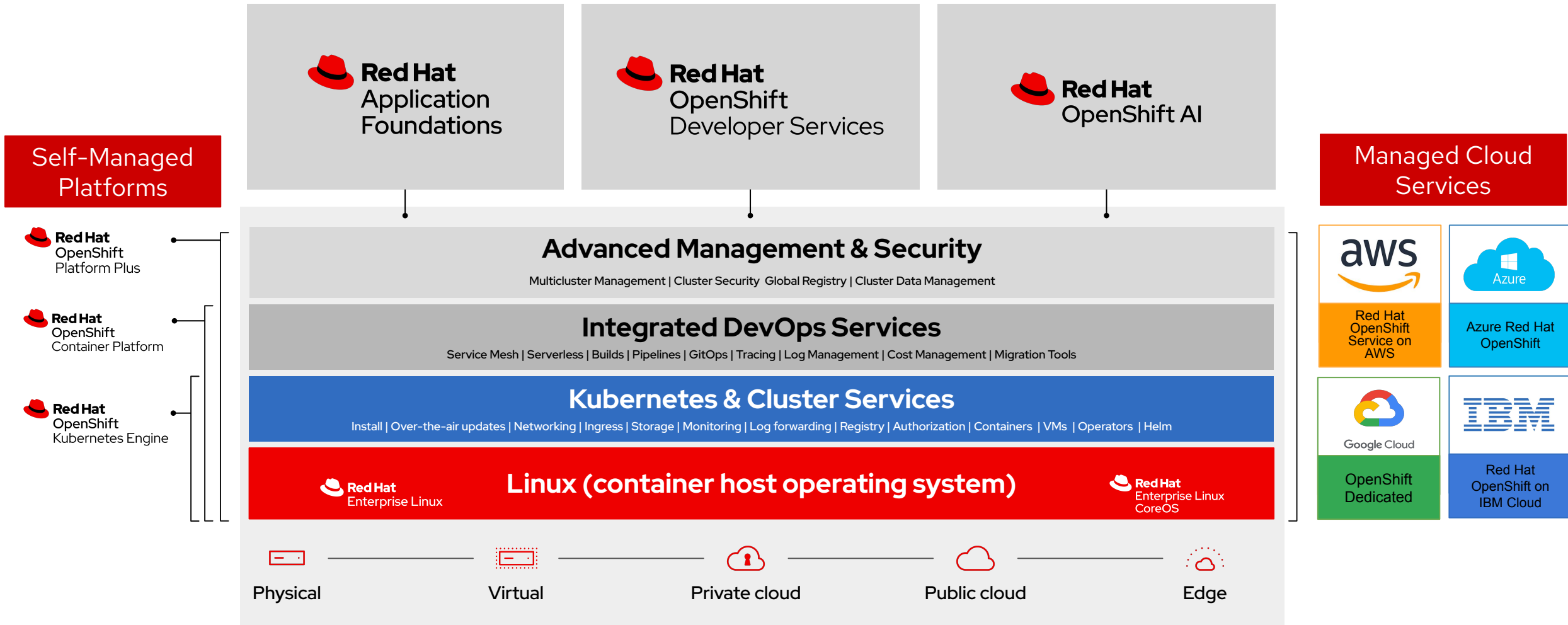


Gartner

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Gartner, "Magic Quadrant for Container Management," Dennis Smith, Tony Iams, Wataru Katsurashima, Michael Warrilow, Richard Watson, 10 September 2024

Red Hat OpenShift: Hybrid Cloud Application Platform

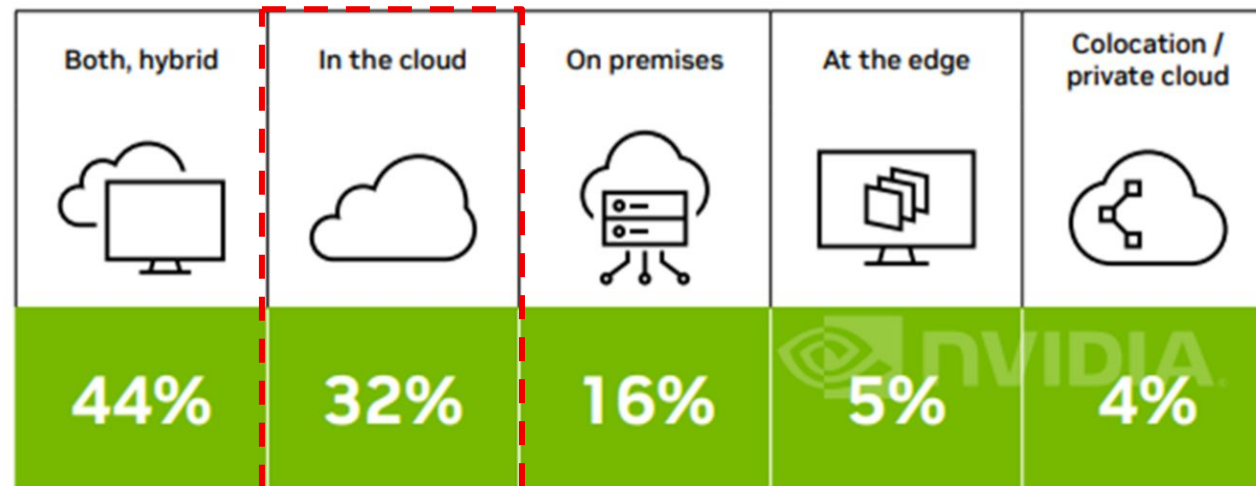


What is a presentation
nowadays without
mentioning AI?

NVIDIA: Hybrid Cloud is critical to AI in FSI

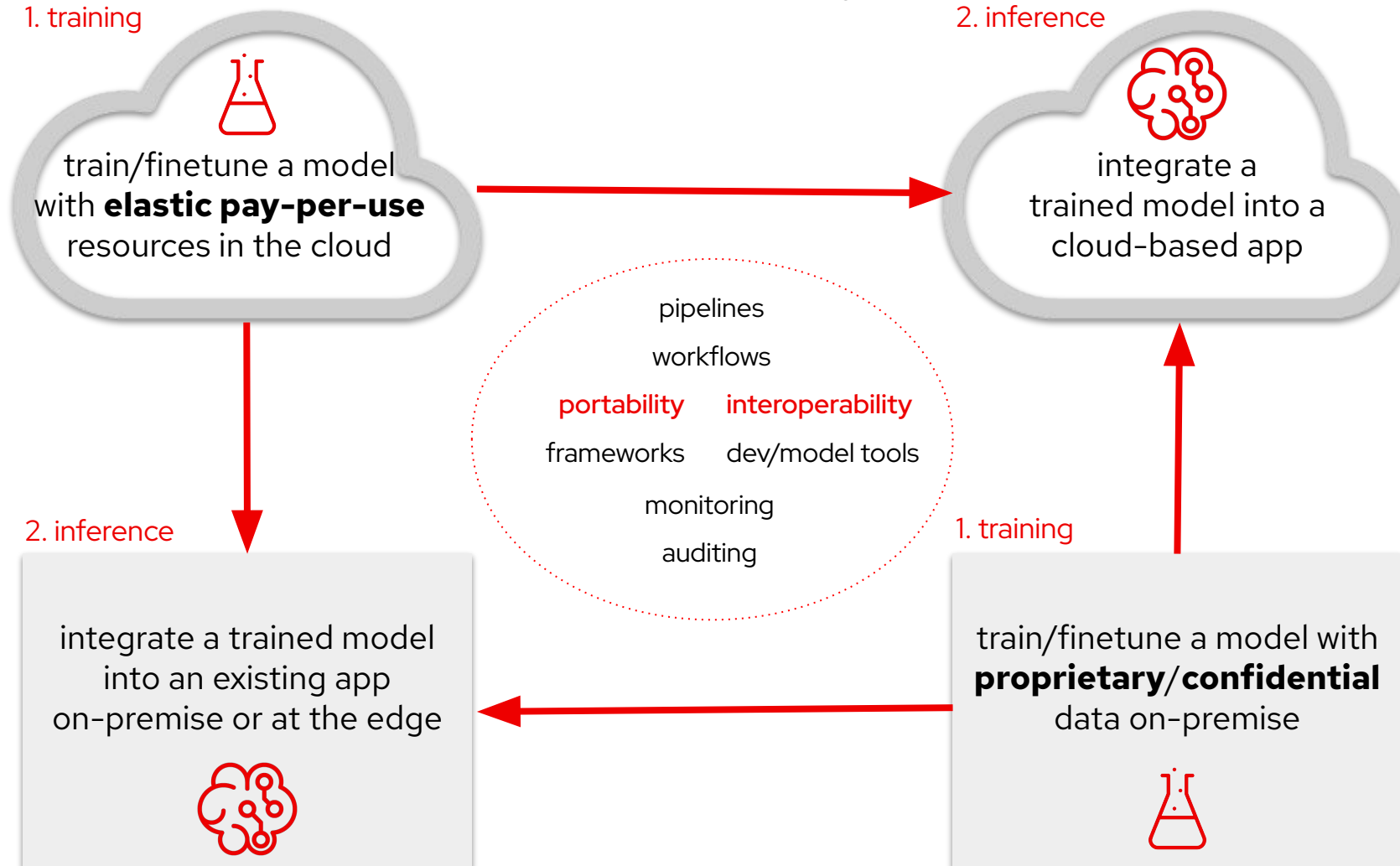
NVIDIA's **State of AI in Financial Services** survey of over 500 global Financial Services professionals:

- "Hybrid Cloud is coming on strong and is critical to AI in Financial Services"
- "only **32%** of the respondents use public-cloud only"
- Software standardization across cloud and on-prem instances is a strategic imperative for cost and efficiency.



Red Hat OpenShift AI

software standardization across cloud and on-prem instances, a strategic imperative for cost and efficiency.



Key Takeaways

“Hybrid cloud **is about a capability.** It’s not about an end state. It’s not about having this percentage in public cloud, and this percentage on bare metal. **It’s about the ability and the capability to be able to move and adapt and adjust as you see fit, and based upon your needs.”**”



Stefanie Chiras,
Sr Vice President,
Partner Ecosystem Success,
Red Hat

Red Hat is the **open hybrid cloud technology leader**



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Thank you



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