



Connect

More Operational Resilience, please!

Can your business absorb a cloudburst?

Business Track FSI - Financial Services and Insurances



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Technology usage is being reshaped by emerging regulatory requirements and industry standards



2018

**Data Privacy
(GDPR)**

2023 - 2025

**Digital Resiliency (DORA),
NIS2, CRA, AI-Act**

Consultations

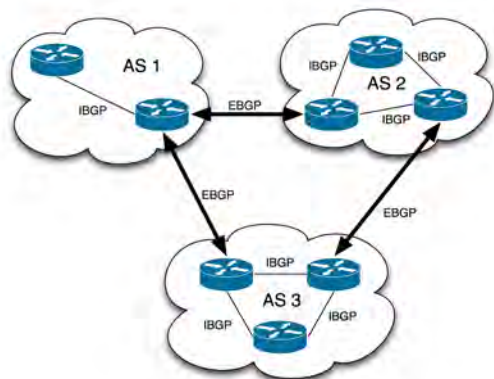
**Directive on Critical
Infrastructure
Resilience (CIR)**

Consultations

Cloud Sovereignty



Why are regulators concerned about FSI in Clouds?

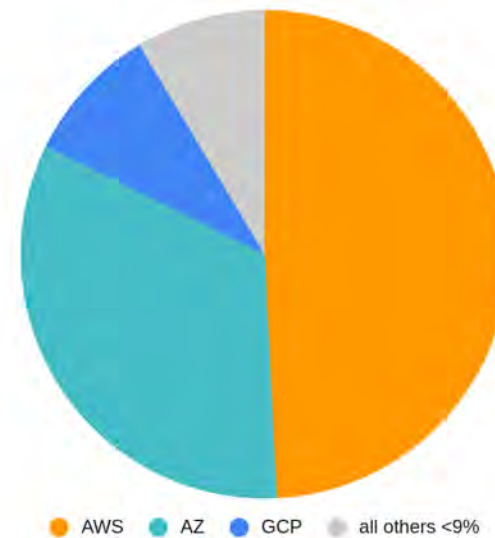


Control plane incidents (e.g. BGP, DNS, NAT,...)

have caused public cloud outages of multiple hours or with global impact

⇒ vulnerabilities to disruptions & cyber attacks

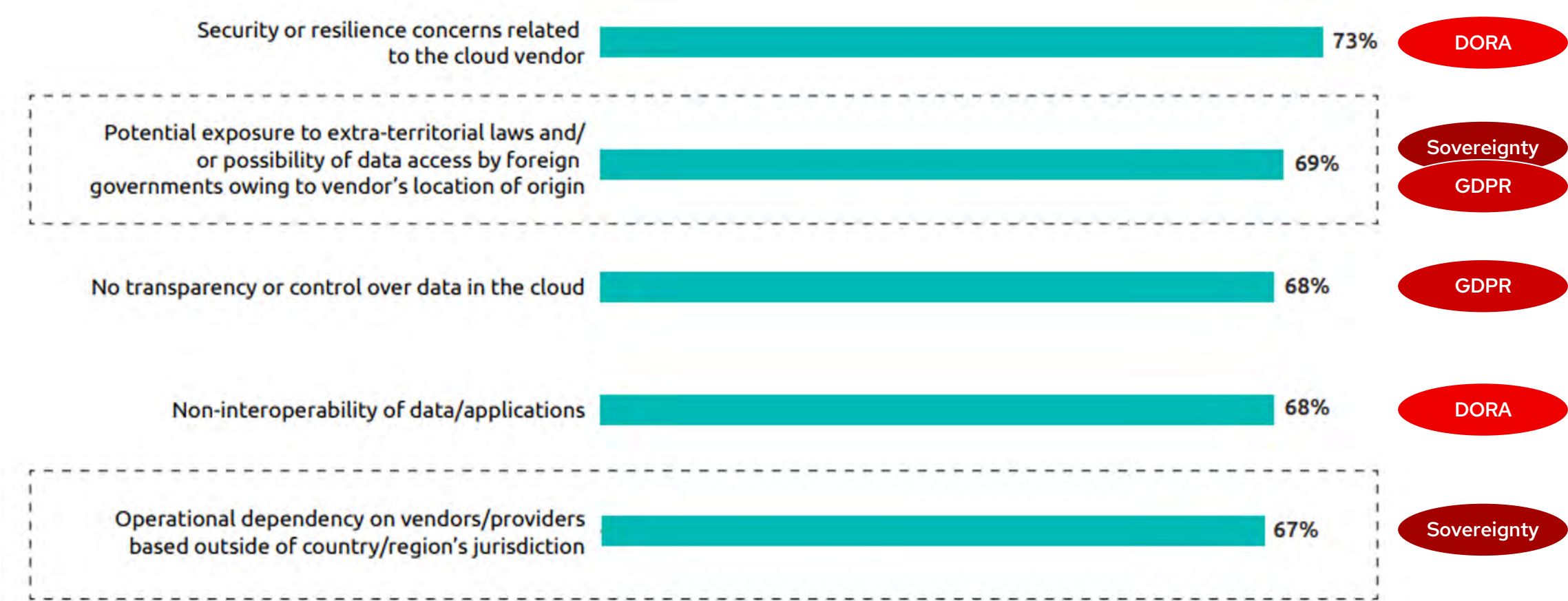
Disruptions can lead to loss of confidence, bank runs, contagion and financial market instabilities



The industry is mainly using less than a handful of hyperscaler cloud providers

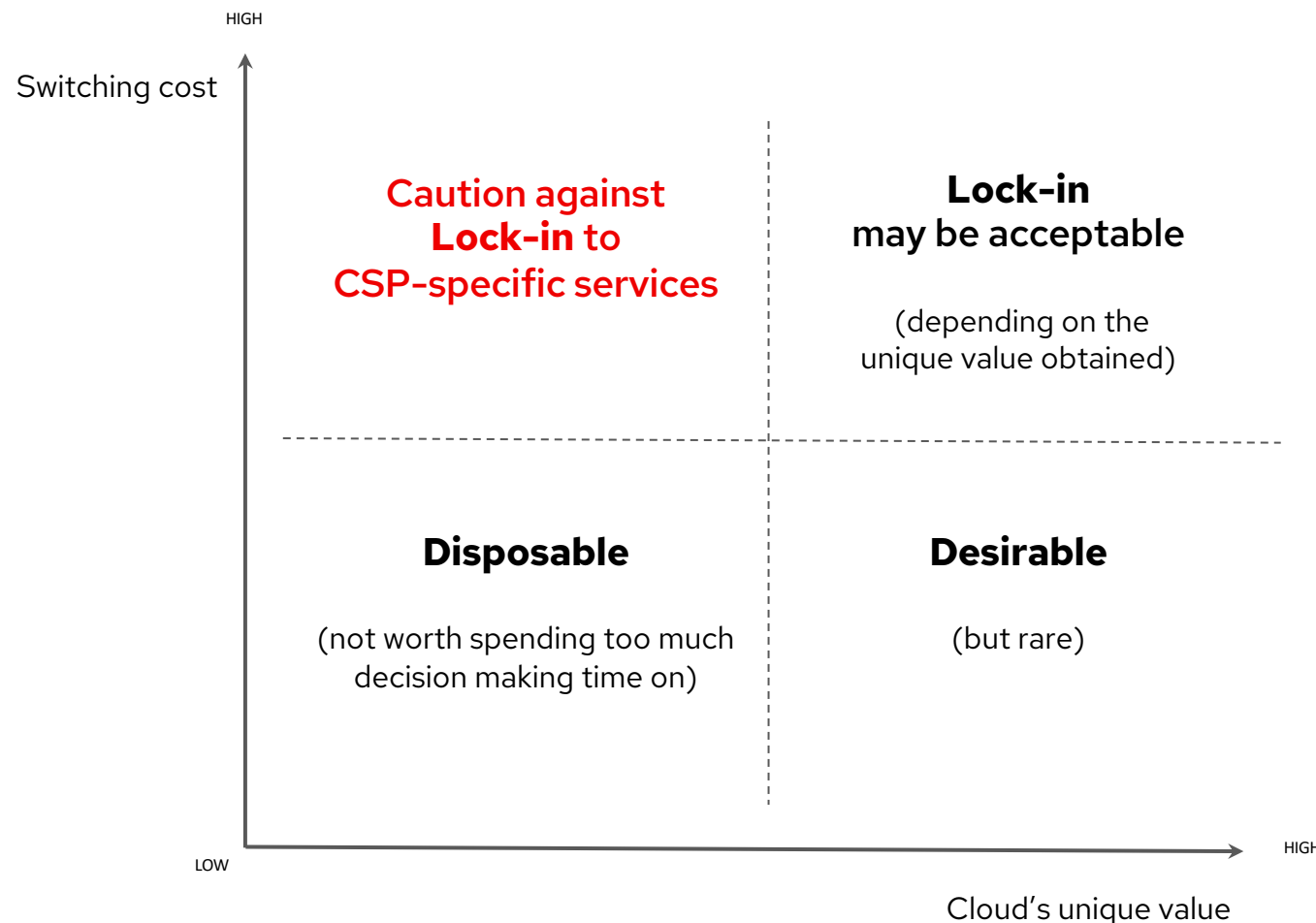
⇒ concentration risk

Not just regulators are concerned: top 5 concerns of customers



Source: Capgemini Research Institute, Cloud Sovereignty Survey, May–June 2021, N = 1,000 organizations.

A simple framework when thinking about designing for options

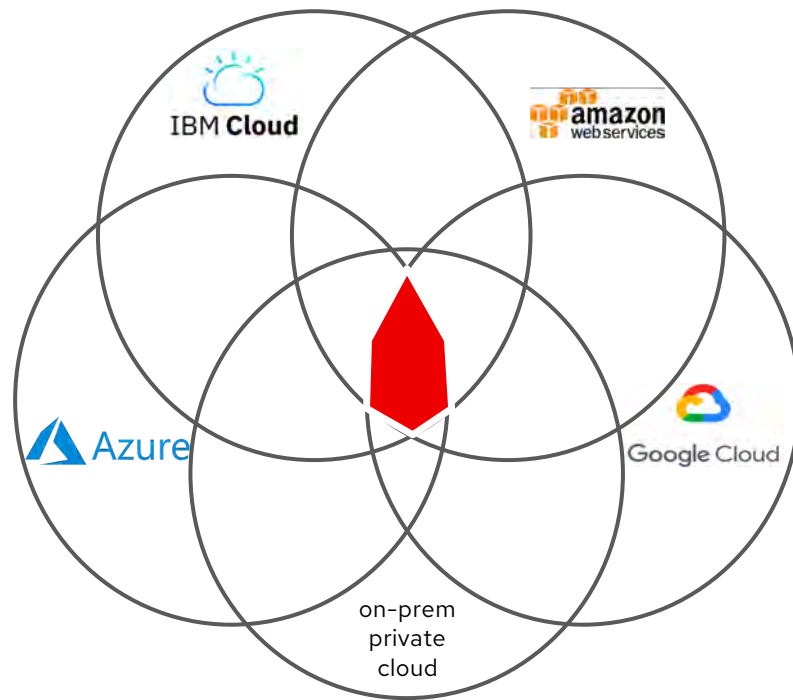


Do not only focus on the **Workloads** (e.g. in Containers, VMs), but also consider:

- **Workflows**
- **Data Persistence**
- **Data Traffic**
- **Security Policies**
- **Management**
- ...

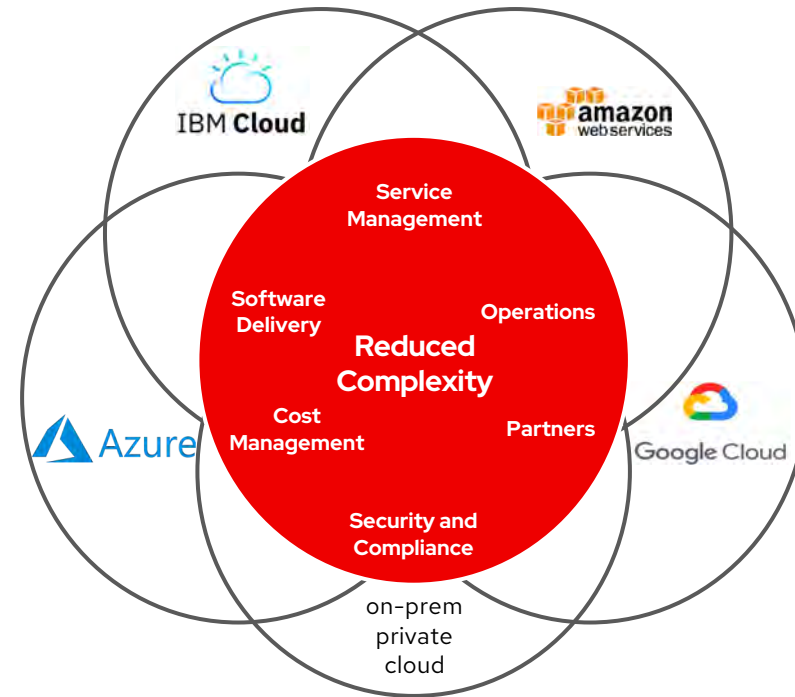
Limit cloud usage

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



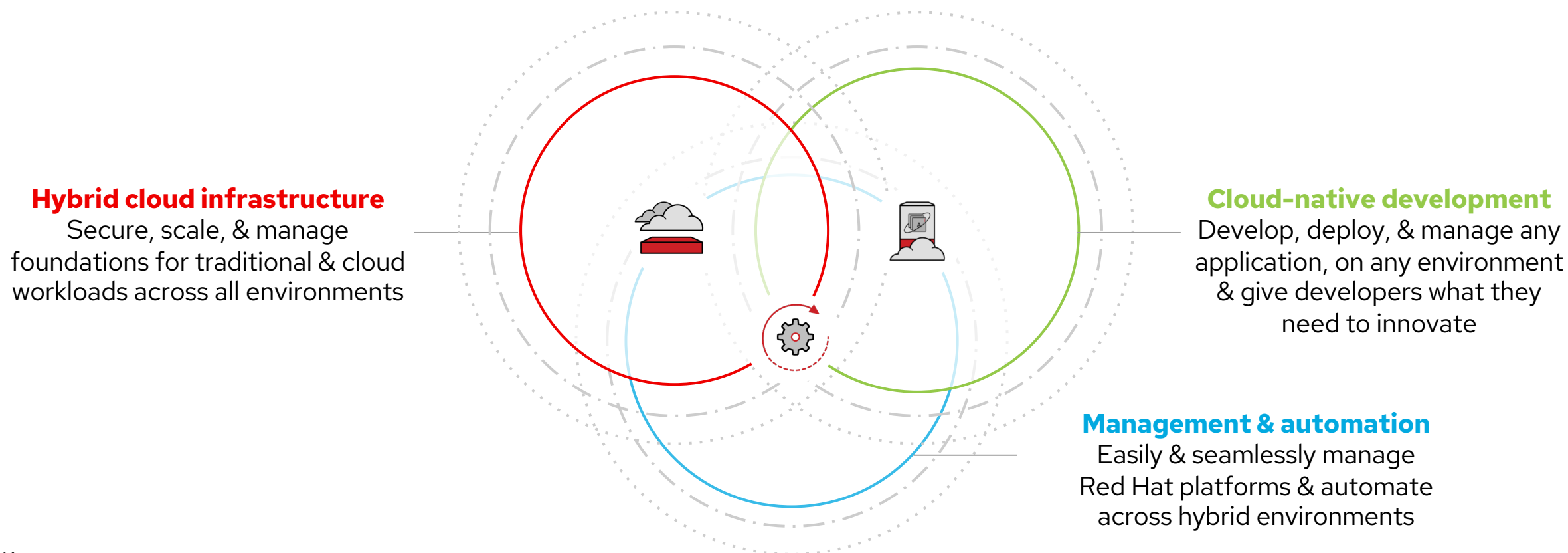
Use a technology layer

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



Open Hybrid Cloud

Red Hat's strategy and vision for its portfolio of **software**, **tools**, and **services** built in the **open source development model** and designed for future architectures that are open, secure, innovative and agile across hybrid clouds.

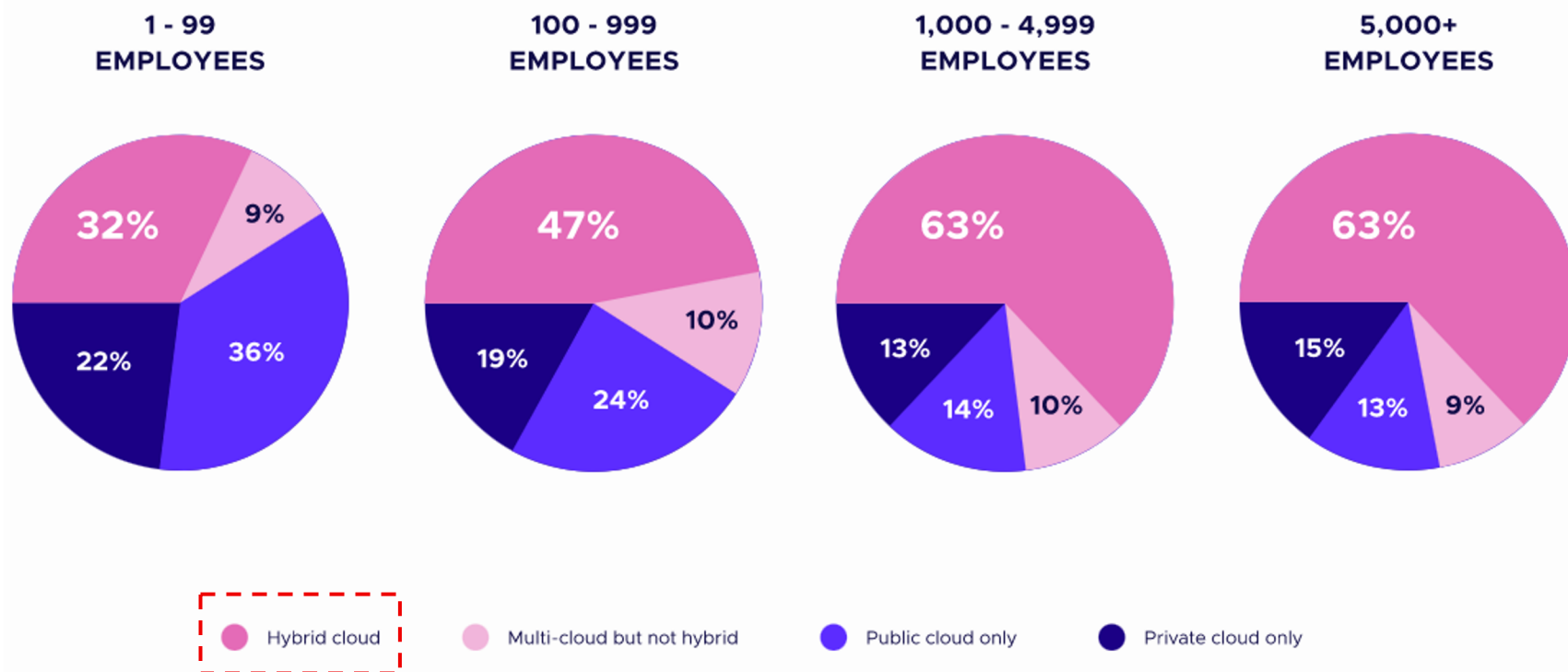




Which of the following combinations of data center and cloud architectures does your organization use? (By organization size)

Public cloud only is mostly found in small (startup) enterprises

Hybrid cloud is the dominant cloud strategy in larger enterprises



Public cloud only is mostly found in small (startup) enterprises

Hybrid cloud is the dominant cloud strategy in larger enterprises

“ *You’re crazy if you don’t start in the cloud...*

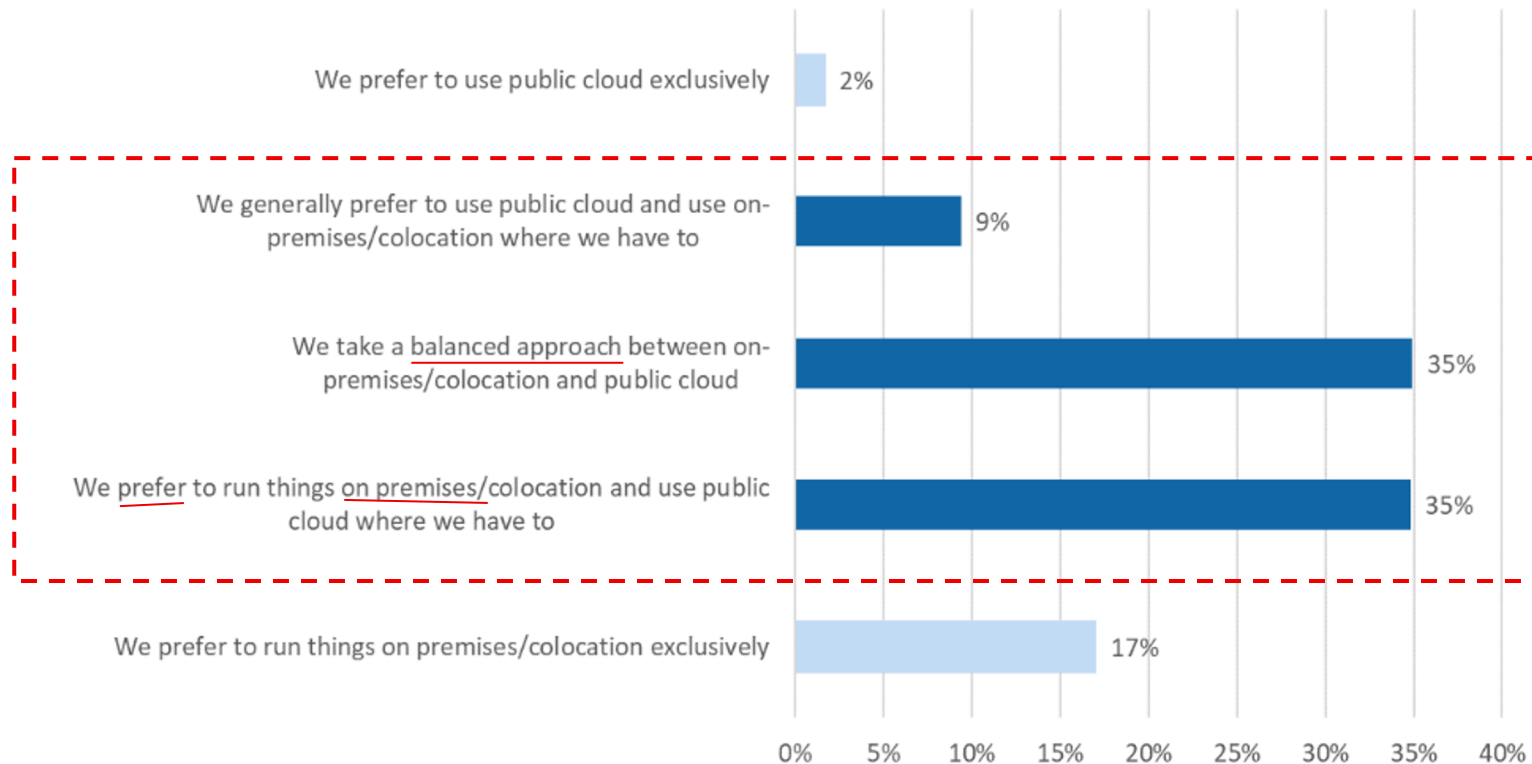
... you’re crazy if you stay on it. ”

andreessen.
horowitz

-----[exclusively]

The future of enterprise IT in Europe continues to remain hybrid with the vast majority of organizations using a combination of public cloud and on-premises infrastructure and services.

Q4. Which statement best represents your organization's attitude to using public cloud services?



- A combined 79% of organizations use a mix of on-premises/colocation and public cloud for their IT infrastructure and resources.
- This is an increase from the combined figure of 76% seen in 2021 and highlights the continued trend for hybrid IT usage across enterprises.
- Those that prefer to only use either public cloud or on-prem/colocation have seen a decline in numbers compared with 2021. The latter group are unlikely to disappear altogether — while many enterprise apps will benefit from being migrated to cloud, not all workloads need to shift (e.g., for compliance reasons).

AI is the killer-app for **Hybrid Cloud**.

Why?

1. training



train/finetune a model

2. inference

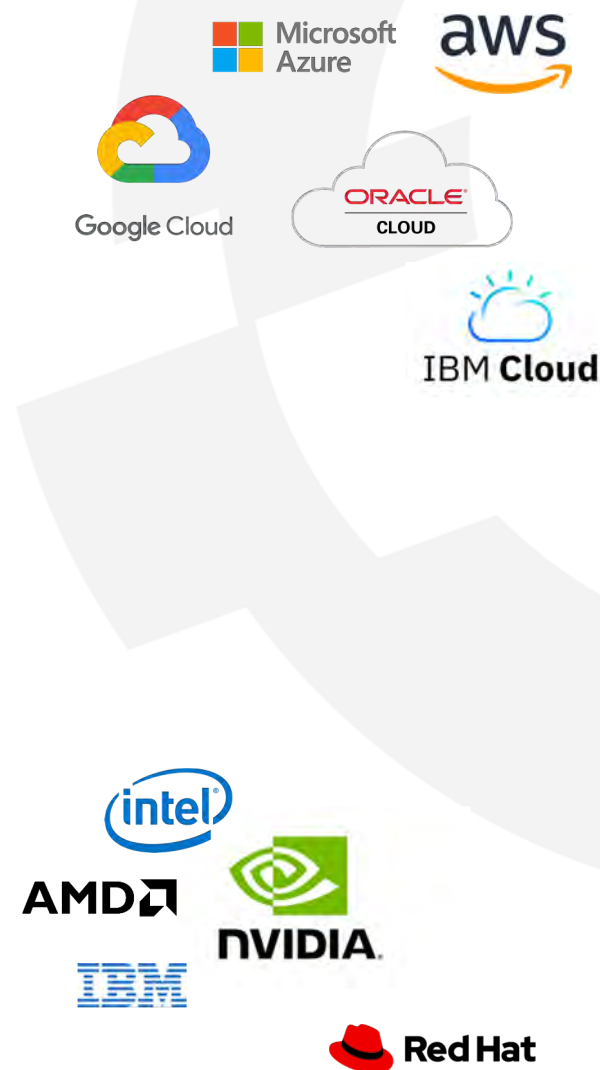
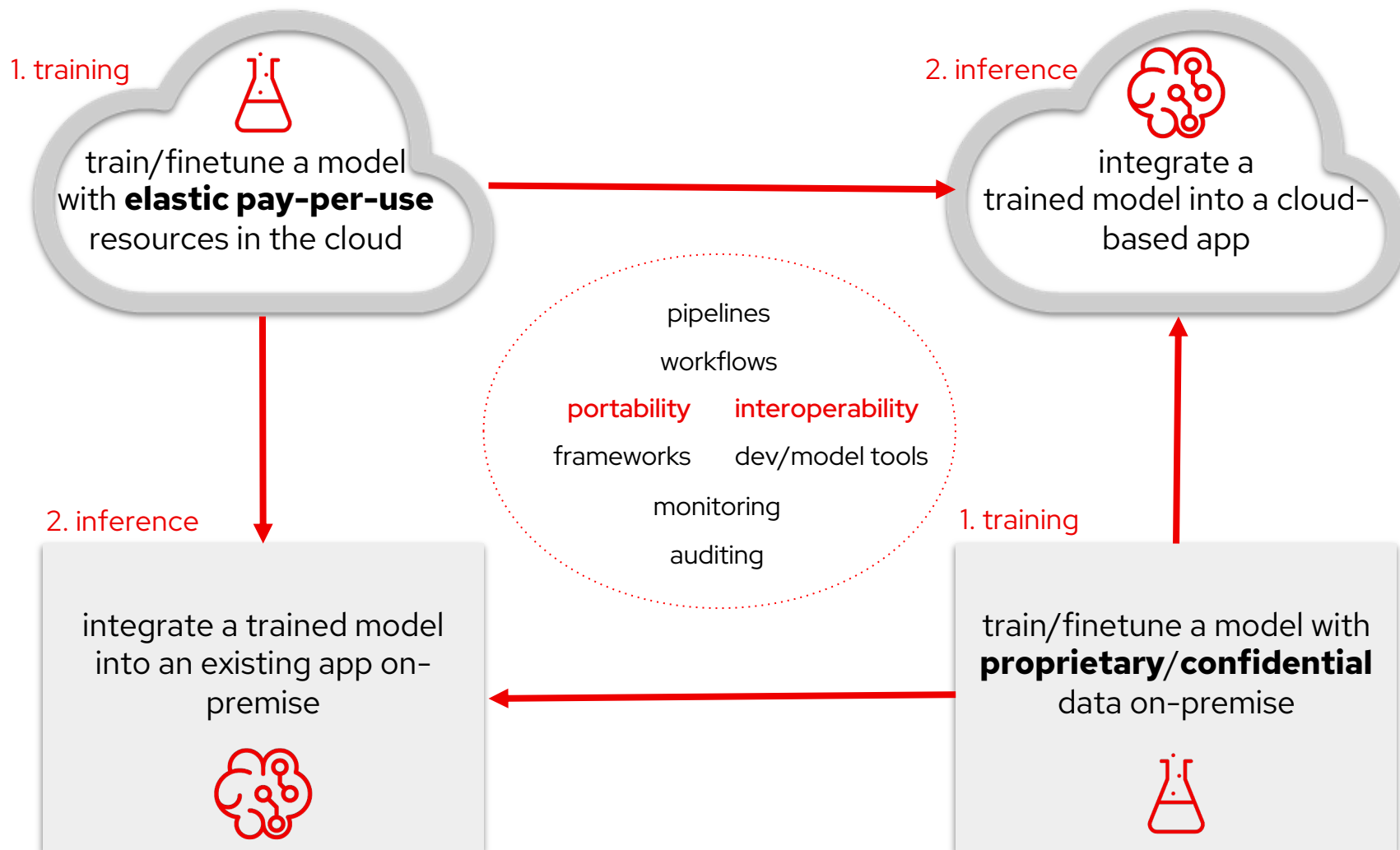


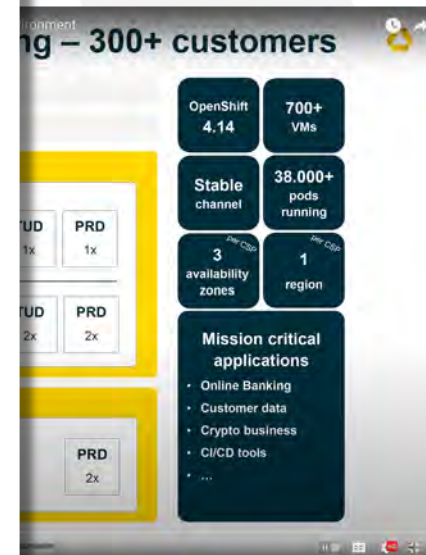
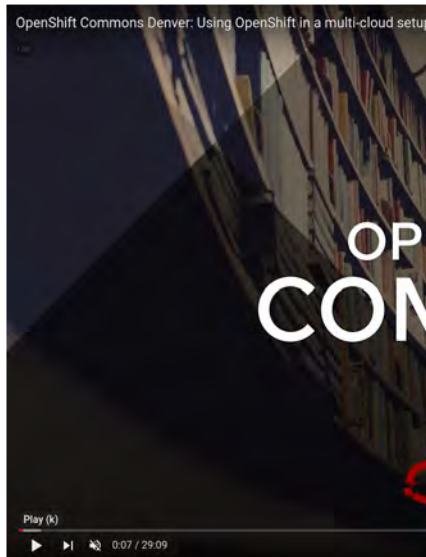
integrate a
trained model into an app



AI models have to be trained, fine-tuned, aligned,..
before they are integrated into an intelligent application.

AI is the killer-app for Hybrid Cloud





<https://www.youtube.com/watch?v=bYxxGqxlr6s>



<https://www.openshift-anwender.de/2023/12/15/rueckblick-auf-das-23-openshift-anwendertreffen-in-eschborn-frankfurt/>

More Operational Resilience, please!



Innovate with Open Source

- Red Hat Enterprise products run **on-prem** and in **any cloud**, with multiple management models,
- Open Source **avoids Lock-Ins** to Hyperscalers, HW vendors, and even to Red Hat.



But there are challenges

- The new **EU** regulations strive to strengthen Operational Resilience, Cyber Resilience, Software Supply Chains, and 3rd Party Risk Mgt,
- Open Source provides better **Interoperability & Portability, Transparency & Auditability.**



Red Hat can help

- We have the capabilities and **partnerships** to help speed-up your Cloud and AI initiatives,
- allowing **faster** delivery of new and modernized applications,
- providing faster time-to-business value and to **control** the risks.



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Thank you



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