

Cloud Services Open Talks: Azure Red Hat OpenShift

Roy de Milde
GBB App innovation
Microsoft

Håkan Hagenrud
Senior Ecosystem Solution Architect
Red Hat

Agenda

- ▶ What is Red Hat OpenShift?
- ▶ What is Azure Red Hat OpenShift, and what does the service consist of?
- ▶ How is the service different the other Kubernetes services?
- ▶ What are the business benefits of Azure Red Hat OpenShift?
- ▶ Demo
- ▶ Kundecase og TEI
- ▶ Q&A

Goal: Application modernization &
migration to the Cloud



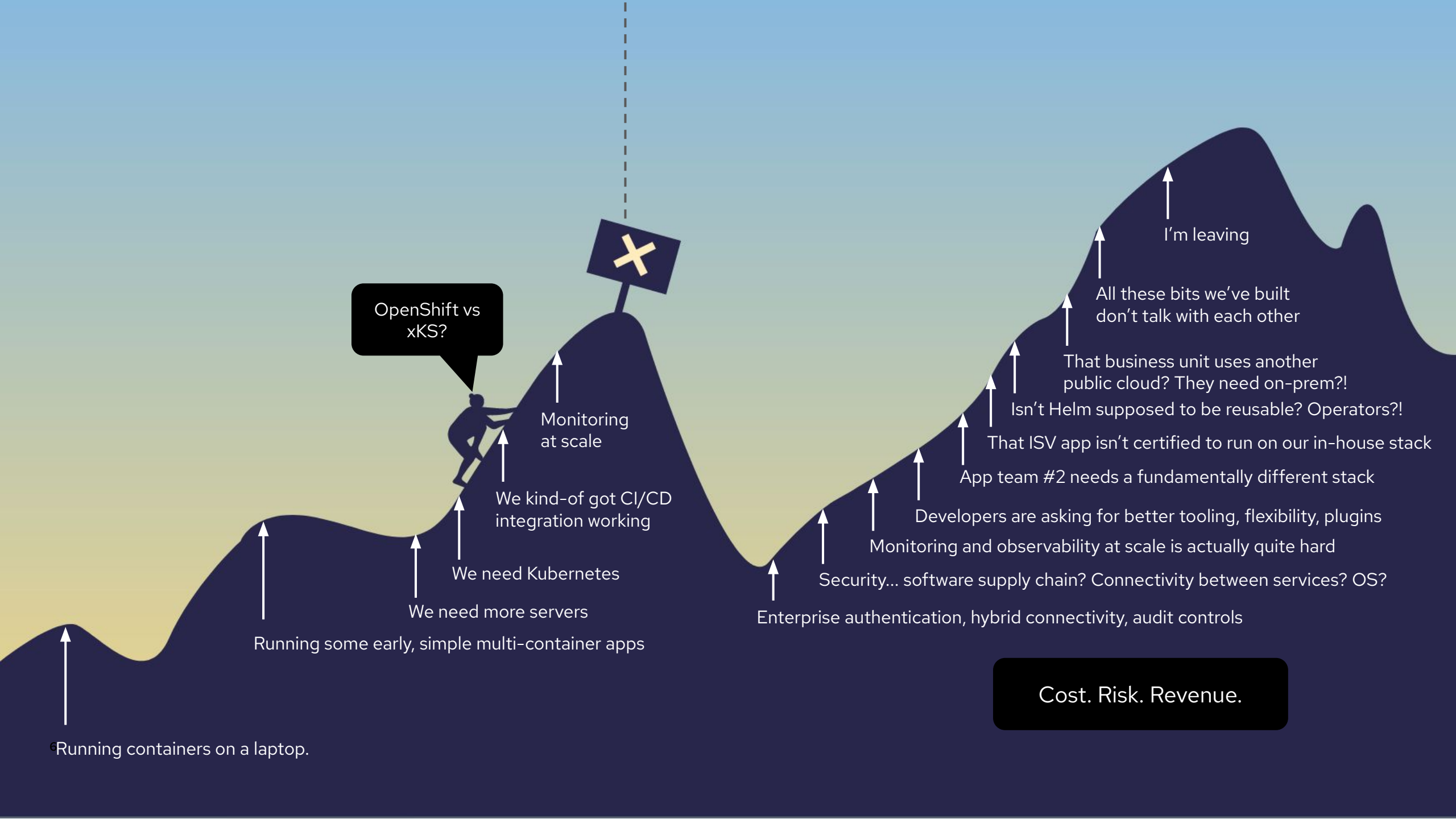
Mt. Kubernetes



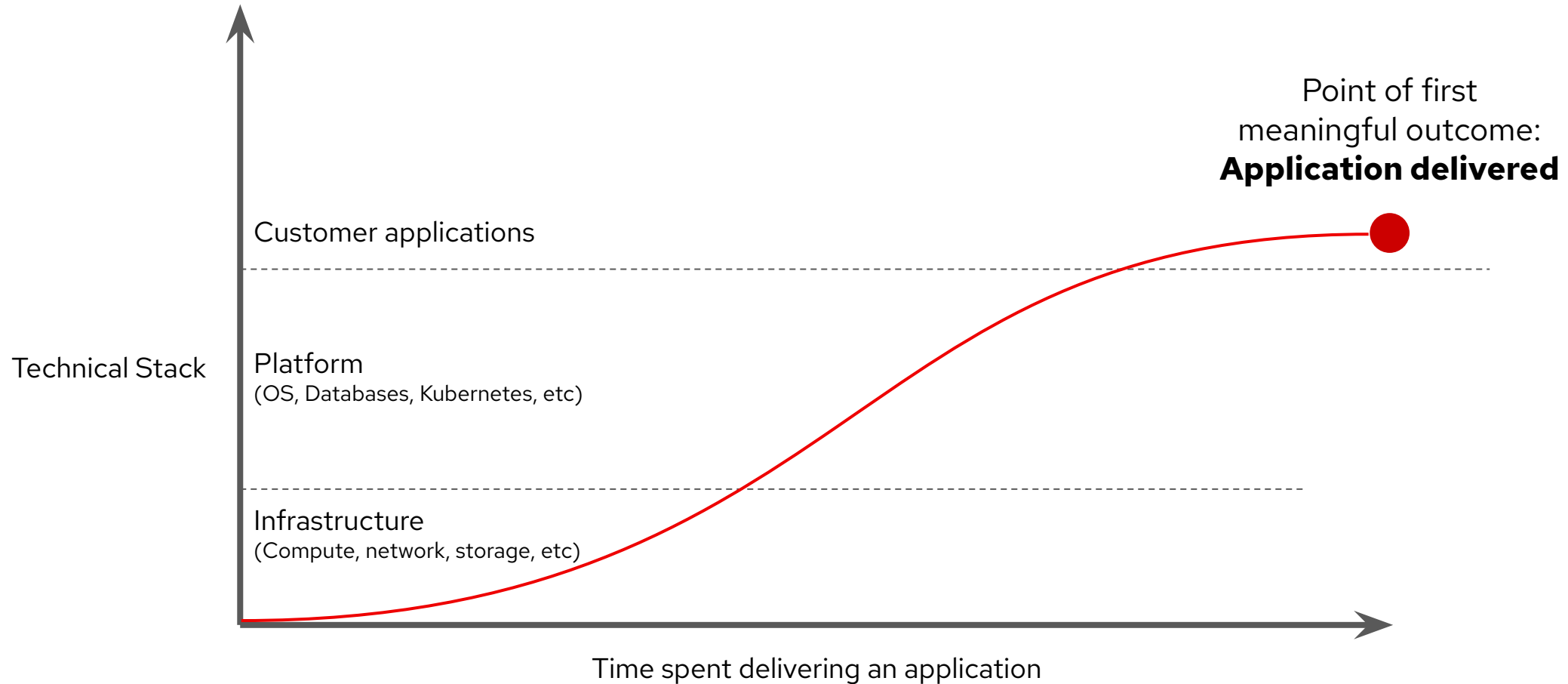


IT Professionals
are climbing
Mt. Kubernetes...

Many new skills.
Not many apps
migrated.

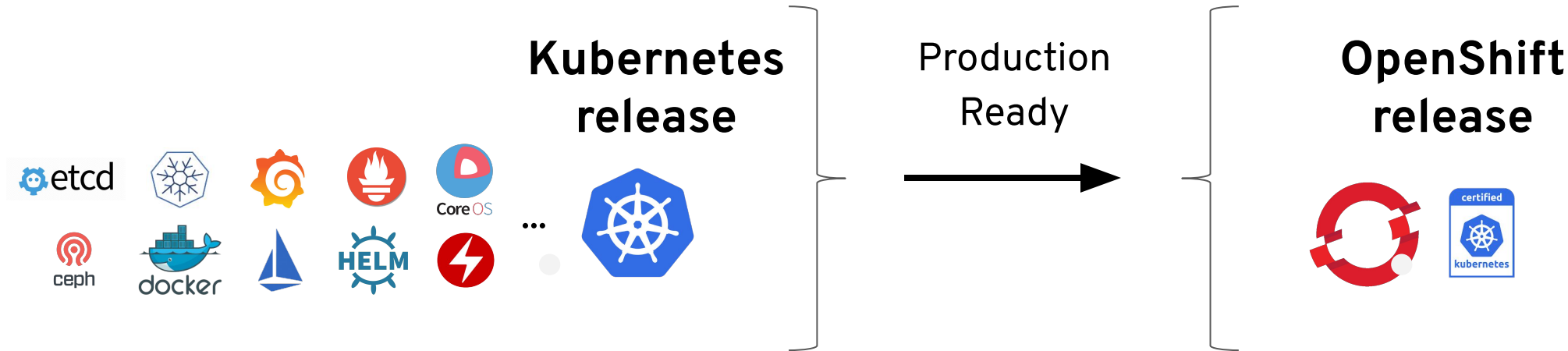


Kubernetes enables Application Migration & Modernization

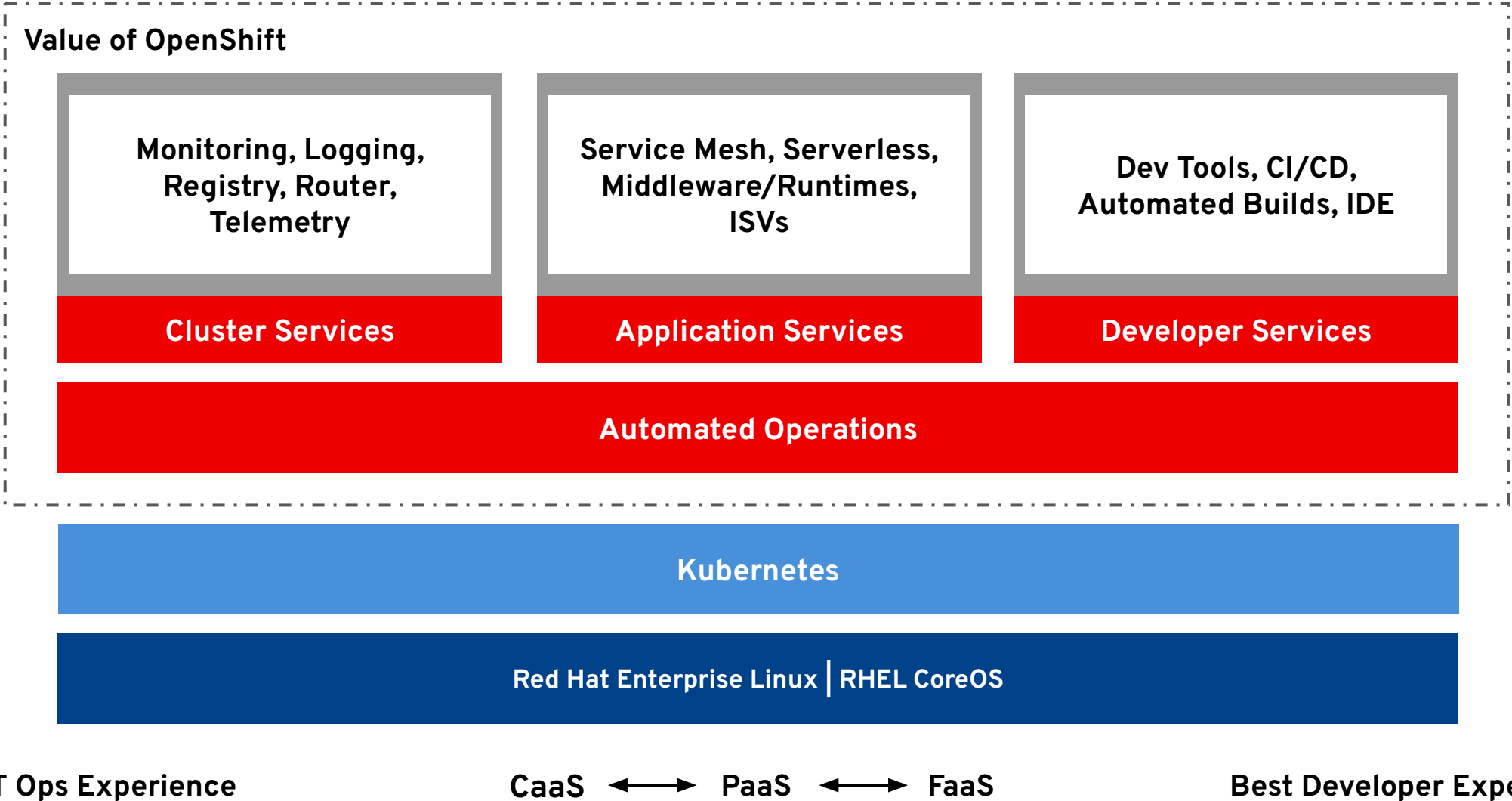


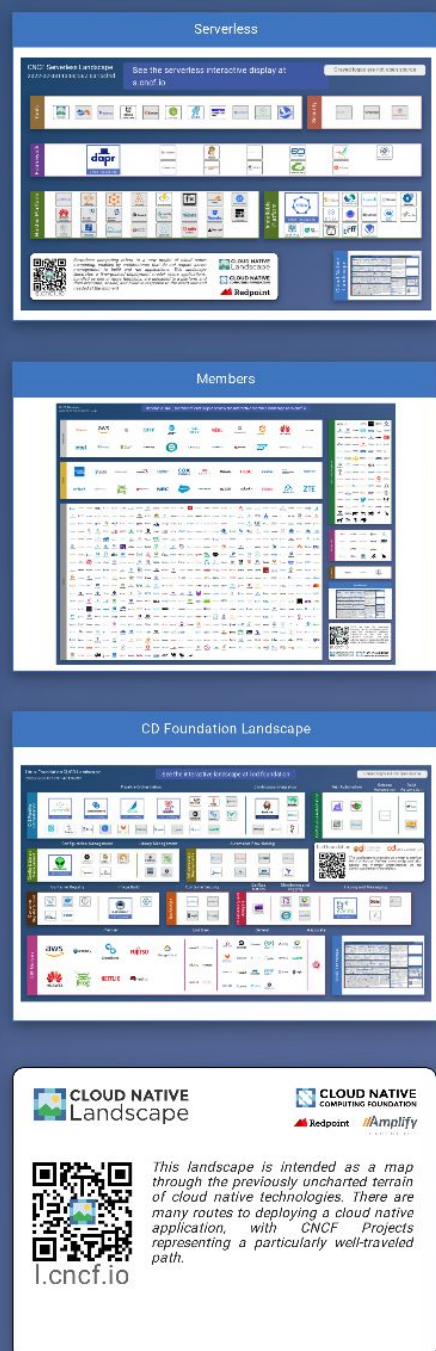
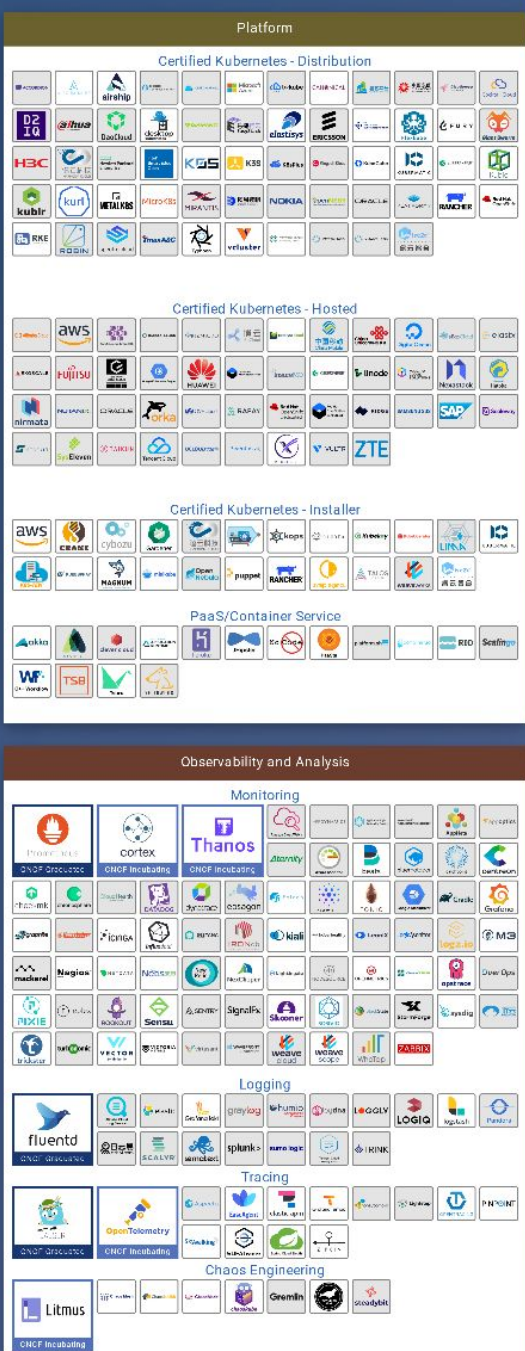
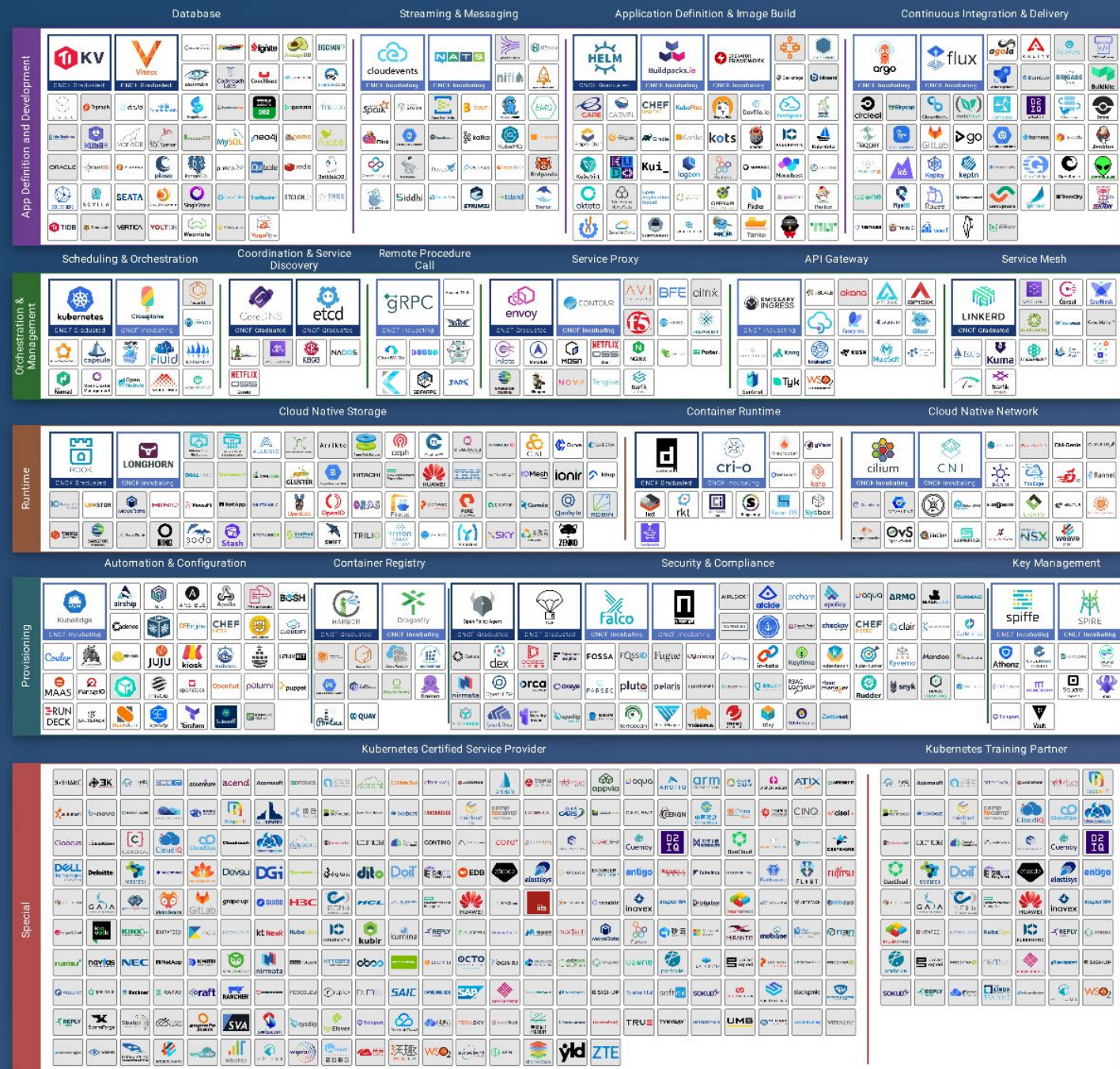
OpenShift “vs” Kubernetes

OpenShift is trusted enterprise Kubernetes



- ❑ Hundreds of defect and performance fixes
- ❑ 200+ validated integrations
- ❑ Certified container ecosystem
- ❑ Red Hat is a leading Kubernetes contributor since day 1





CLOUD NATIVE Landscape

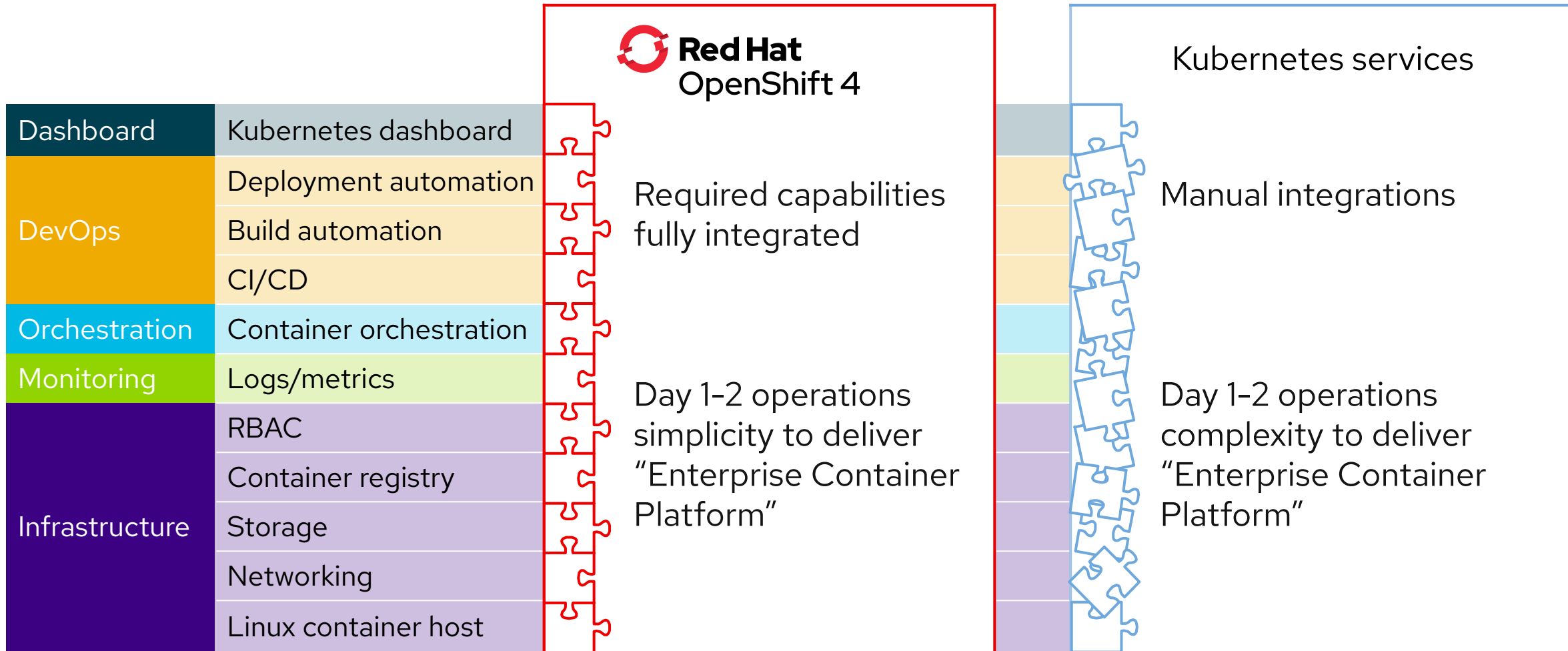
CLOUD NATIVE COMPUTING FOUNDATION

Redpoint Amplify

This landscape is intended as a map through the previously uncharted terrain of cloud native technologies. There are many routes to deploying a cloud native application, with CNCF Projects representing a particularly well-traveled path.

l.cncf.io

OpenShift offers functionality fully integrated



“Application platform vs Standalone Kubernetes”

Red Hat OpenShift Cloud Services - ARO



Faster Time To Value

- Production-ready clusters that deploy in 40 minutes
- Fully Highly Available, standard architecture
- Less time on infrastructure, more time spend on your applications



Reduced Complexity

- Fully monitored, managed and updated from infrastructure to daily operations
- Flexible consumption-based pricing
- Monitoring, logging, networking, etc. included
- 24x7 support from industry leading SRE team with financially backed 99.95% SLA



Integrated into the Cloud

- Only company to offer managed Kubernetes on all major public clouds
- Fully native service (not a marketplace offering)
- Consistent OpenShift experiences across clouds, with ability to do multicloud.

What is your starting point?



Build it yourself Kubernetes

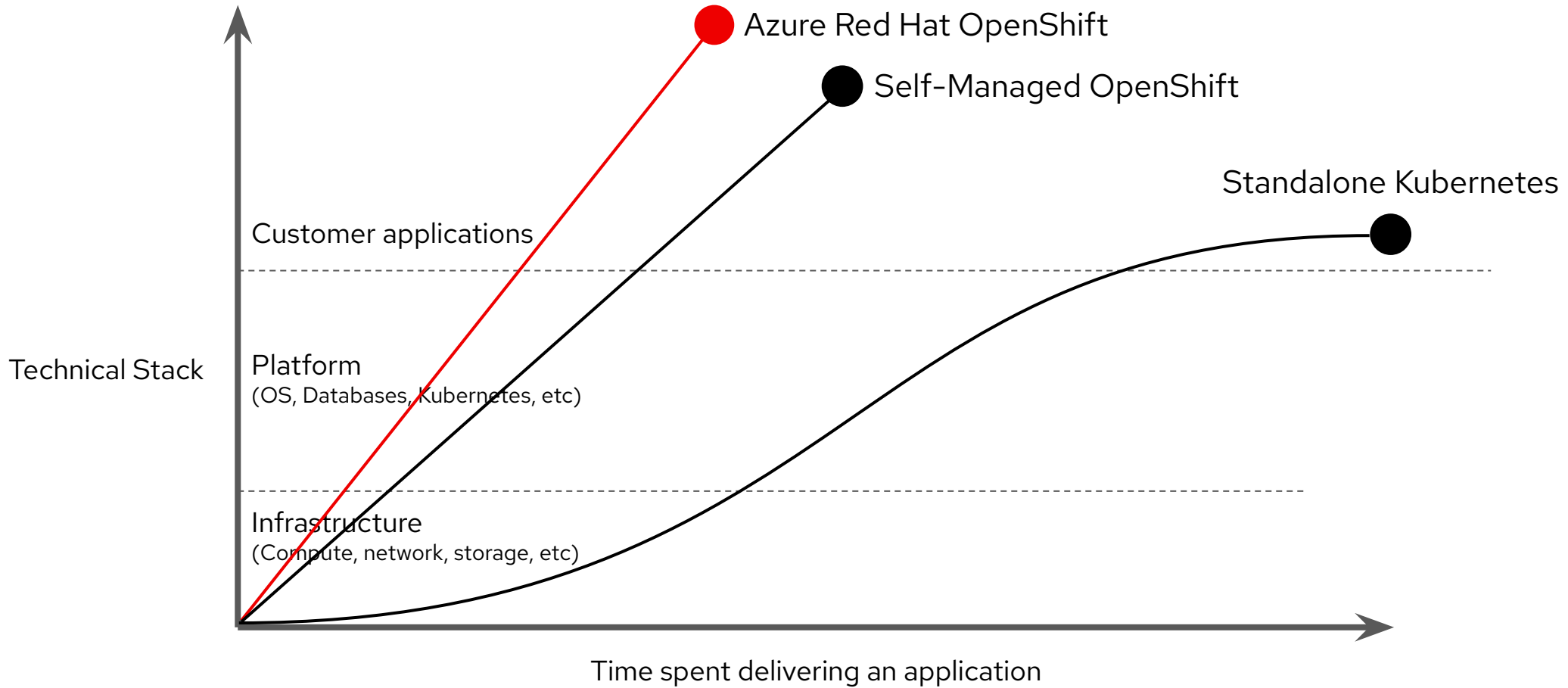


Self Managed OpenShift



OpenShift Cloud Services
(Azure Red Hat OpenShift)

Time to value with OpenShift

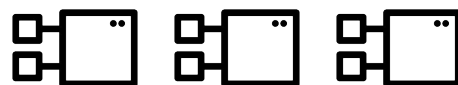


Delivering consistency and flexibility

Traditional apps



Cloud-native apps



AI/ML, Functions



Communities of Innovation | Ecosystems of Solutions



Secure & Automated Infrastructure and Operations



Physical



Virtual



Private cloud



Public cloud



Edge

ARO Overview



“Microsoft has embraced open source because it's driven by what I believe is fundamentally what our customers expect for us to do. Which is to say: doing what's best for both companies' customers. Microsoft has a heritage here. We were a developer tools company first and not a course, we are all in on open source.”

—

Satya Nadella

CEO of Microsoft

Red Hat Summit, May 2019

Azure Red Hat OpenShift



Jointly engineered,
operated, and
supported by
Microsoft and Red Hat
with an integrated
support experience



OpenShift

Application Platform, built on top of Kubernetes. Includes Cluster Services, Application Services, Developer Services.



Scale on-demand. Pay as you go










Scale as your application demand changes
Leverage your Azure monetary commits

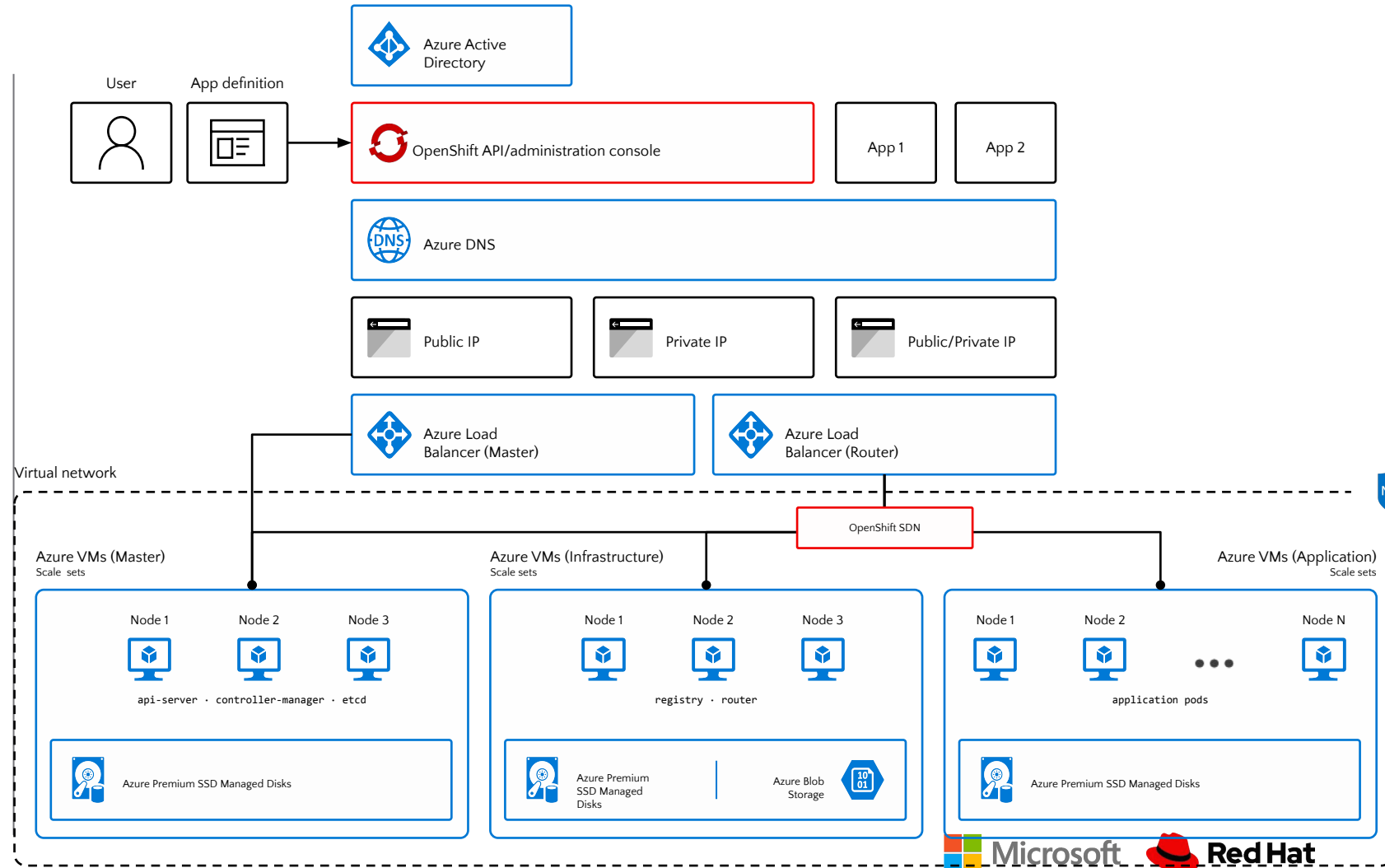


Enterprise-grade operations, security, and compliance

SLA: 99.95%, 24*7 premium support
Compliant with PCI DSS, HITRUST, FedRAMP, SOC (ISO, and HIPAA coming soon)

Running your own Red Hat OpenShift cluster

Responsibilities	
User management	
Project and quota management	
Application lifecycle	
Cluster creation	
Cluster management	
Monitoring and logging	
Network configuration	
Software and security updates	
Platform support	



Fully managed clusters with Azure Red Hat OpenShift

Responsibilities	
User management	■
Project and quota management	■
Application lifecycle	■
Cluster creation	■
Cluster management	■
Monitoring and logging	■
Network configuration	■
Software and security updates	■
Platform support	■



Let Microsoft and Red Hat...

Manage all your clusters

Monitor and operate your VMs

Secure your nodes

Manage environment patches



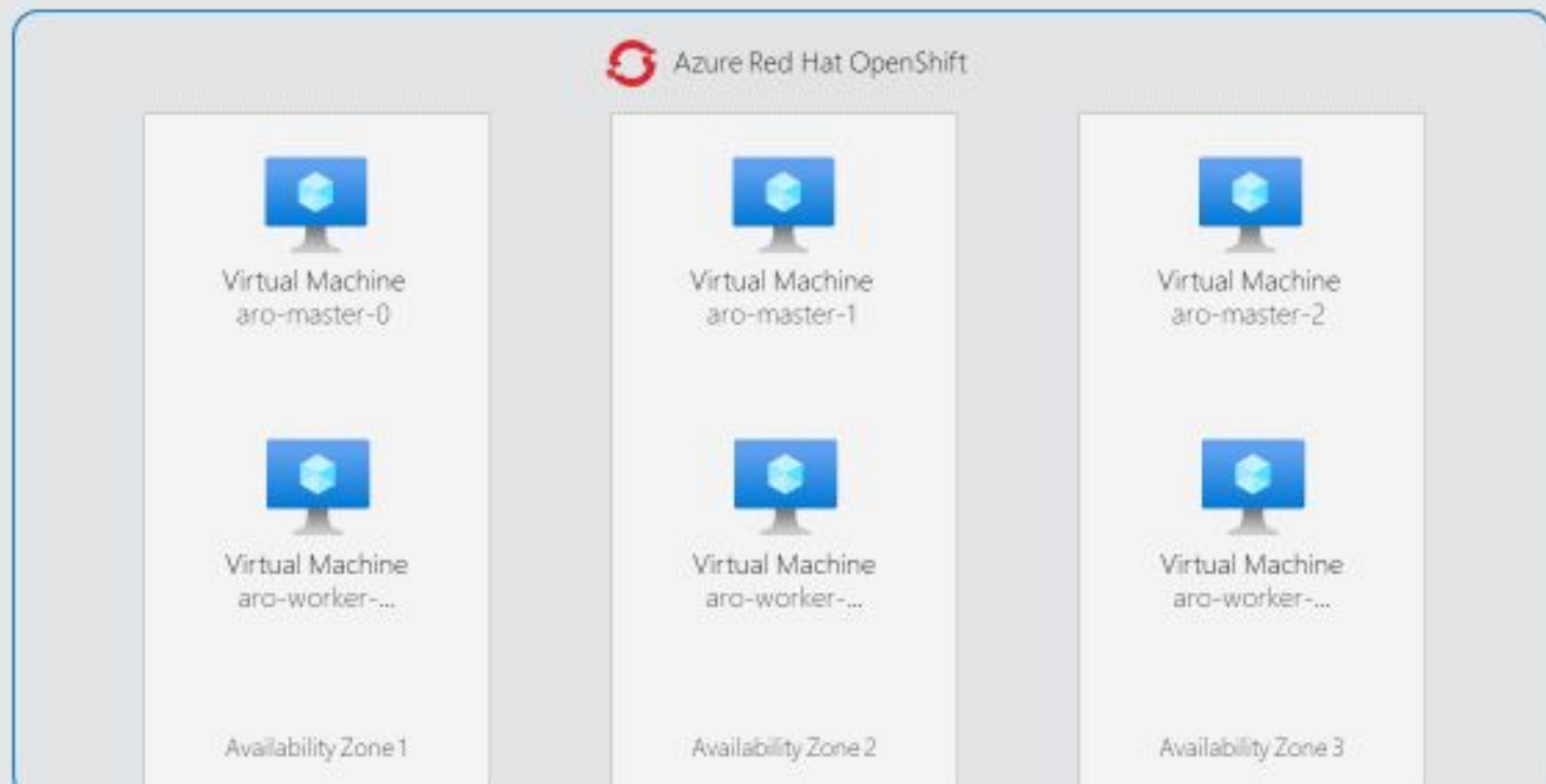
Customer



Microsoft and Red Hat

Multi-Availability Zones clusters and 99.95% SLA

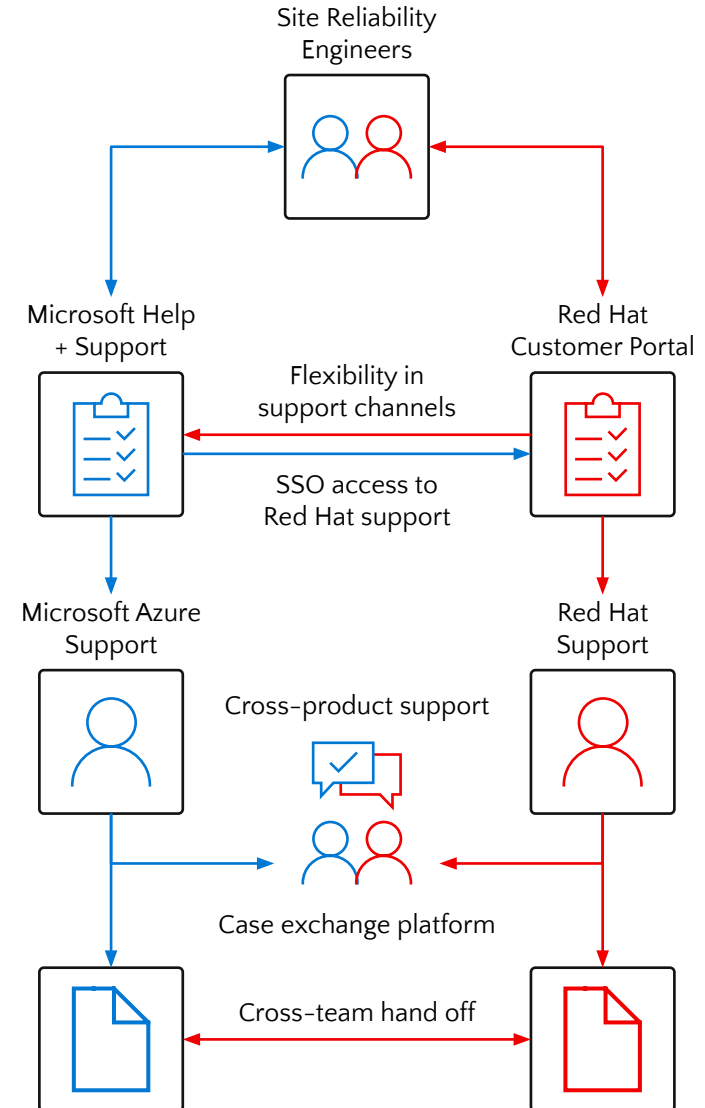
To ensure the highest resiliency, cluster components are deployed across 3 Azure Availability Zones in supported Azure regions.



Unified support and operations

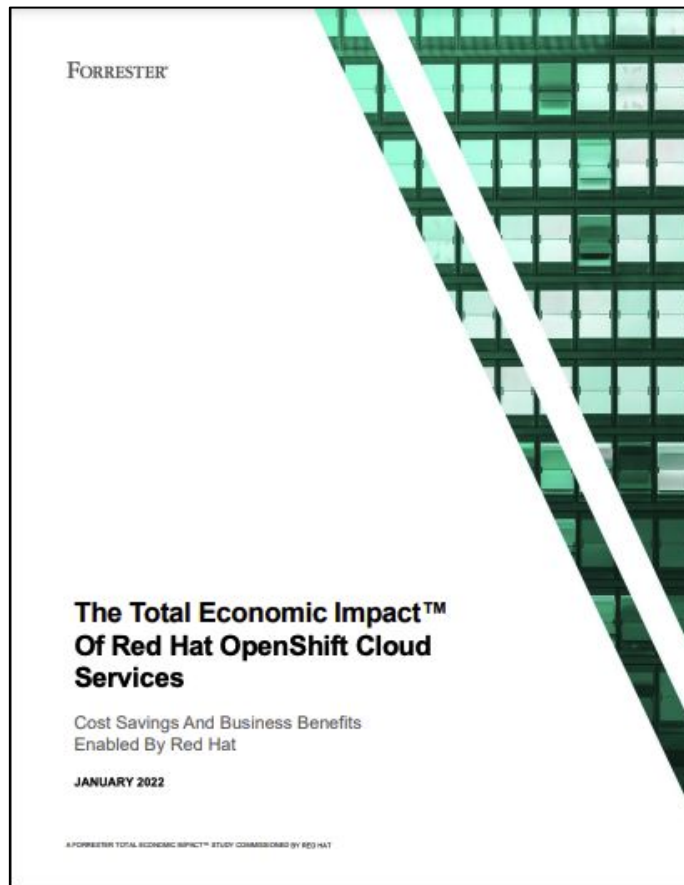
Jointly engineered, operated, and supported by Microsoft and Red Hat

- In-portal integrated support experience is available 24x7
- ISO 27001 compliant B2B communication channel
- Co-located support with Red Hat on-site team
- Integrated case systems
- Microsoft and Red Hat security response team collaboration



Improve **efficiency** and **productivity**

Forrester Research: The Total Economic Impact™ of OpenShift cloud services



50%

50% improvement in operational efficiency¹

20%

20% of developer time is recaptured¹

70%

Shortened development cycle by 70%¹

“““

One of our pain points is we don't want to do infrastructure. We just want to **focus on building great experiences**. We wanted to find somebody who could **manage this for us**, so we didn't have to.

Director for operations and infrastructure, Telecom company

¹ - [The Total Economic Impact™ of Red Hat OpenShift Cloud Services by Forrester, "Jan. 2022.](#)



[Link to Alpega video](#)



"We've also been able to deploy our applications faster. With all the improvements we made, the development team only has to focus on the business logic, not on waiting for an environment or updating and piecing together the deployment process. In fact, our **deployments went from one a month, to one a day.**"

Oscar Rivas Sendin, Head of Architecture, Pelayo



Working with professional services company Accenture, KLP decided to **automate** its manual processes and adopt a DevOps approach, supported by a microservices-based IT architecture.

"KLP needed a Kubernetes platform with strong support for DevOps," said Gundersen. "We recommended Red Hat OpenShift because it promotes developer collaboration, improves productivity, and simplifies environment provisioning. These are important capabilities for large, custom development projects. It's also backed by Red Hat's expert, enterprise support."

Tonny Gundersen, Managing Director, Advanced Technology & Architecture, Accenture.

Thank you



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