Focus on your Business Assets , mitigating Liabilities

"How Offloading Platform Management Drives Innovation and Speed"

Georgios Pagiatakis - UK SSA gpagiata@redhat.com

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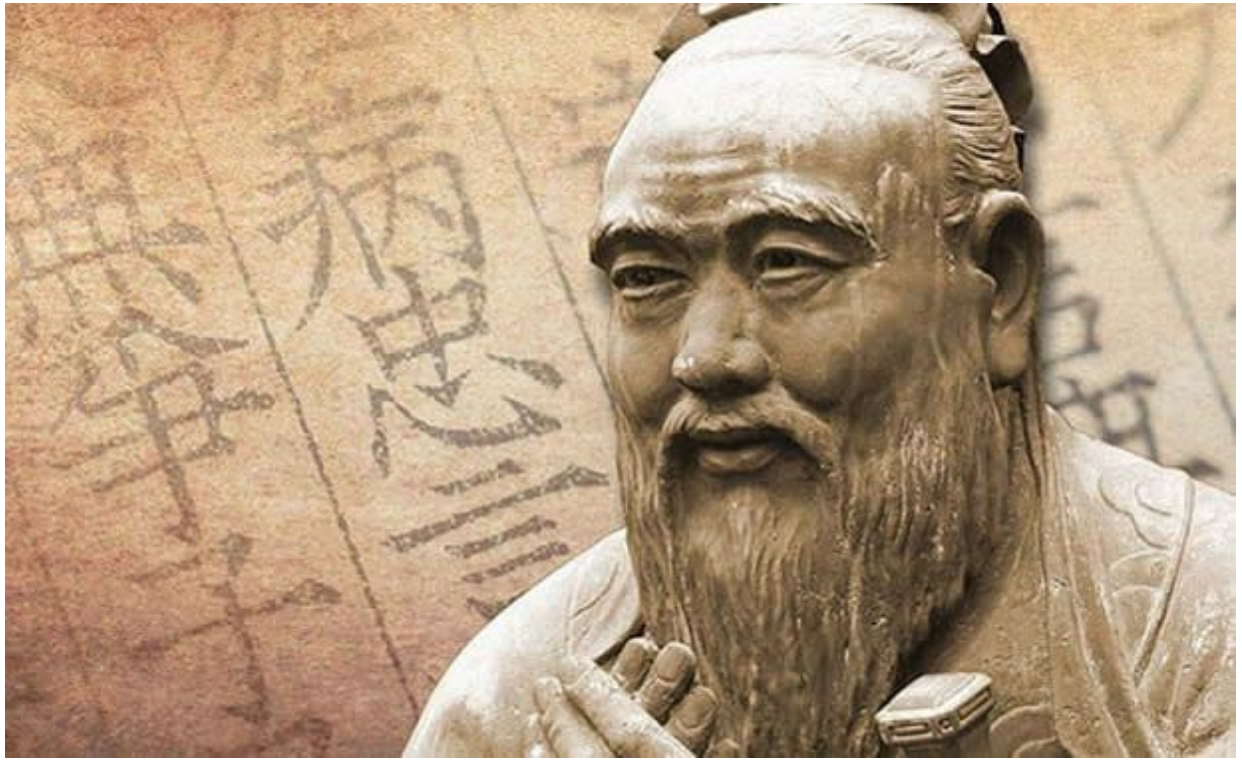

“ 射有似乎君子，失 诸正鹄，反求诸其身 “

“ When it is obvious that the goals cannot be reached, don’t adjust the goals, adjust the action steps “

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Assets (appreciating) and Liabilities (or depreciating assets)

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What drives value in Digital Businesses – can be considered an asset?

- **Innovative product offerings**
- Customer relationships and satisfaction
- Efficient workflows and processes
- **Digital Applications**
- Brand value and reputation
- Intellectual property (IP) and data
- **Skilled and talented workforce utilized in the best way possible**
- **Ability to execute fast**

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Speed as an asset

- **Speed** of development and delivery provides a competitive edge

- **Speed** to market is essential for customer satisfaction, competitive advantage leading to potential for business profitability

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The “necessary ?” evil

- Technical debt from ageing systems
- **Hardware infrastructure and underlying platforms**
- **Platform Maintenance and operational costs**
- **Compliance and regulatory requirements**
- System downtime and reliability concerns
- Cybersecurity vulnerabilities
- **Vendor lock-in or dependency risks**
- **Skilled and talented workforce utilized in a non-efficient manner**

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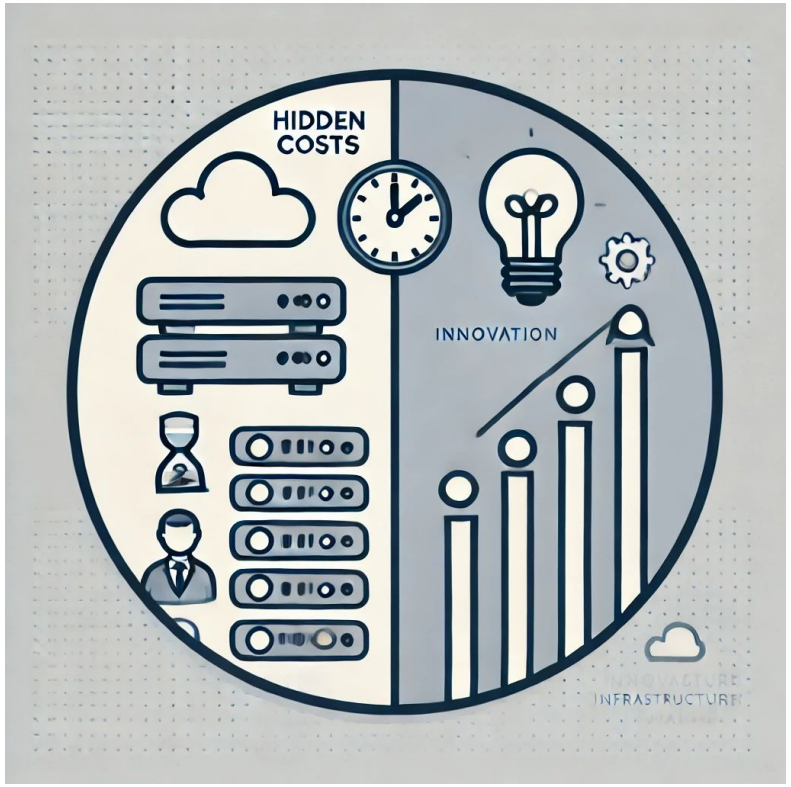
A few of The hidden “costs” of Focusing on Platforms maintenance

- Complexity and **Time** Consumption
- Maintenance of specialized skills
- Operation Downtime Risks
- Security and Compliance Risks



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The Foundation of Modern Application Platforms

kubernetes

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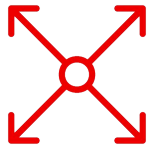
They promised you the future

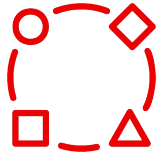
"It's the future!"

Everything was going to be solved



Scalability

Scale as you need, when you need



Portability

Once containerised, you can run your app anywhere!

High Availability

Automatically achieve HA via Orchestration systems

Improved utilisation

Reduce costs by accurately predicting usage

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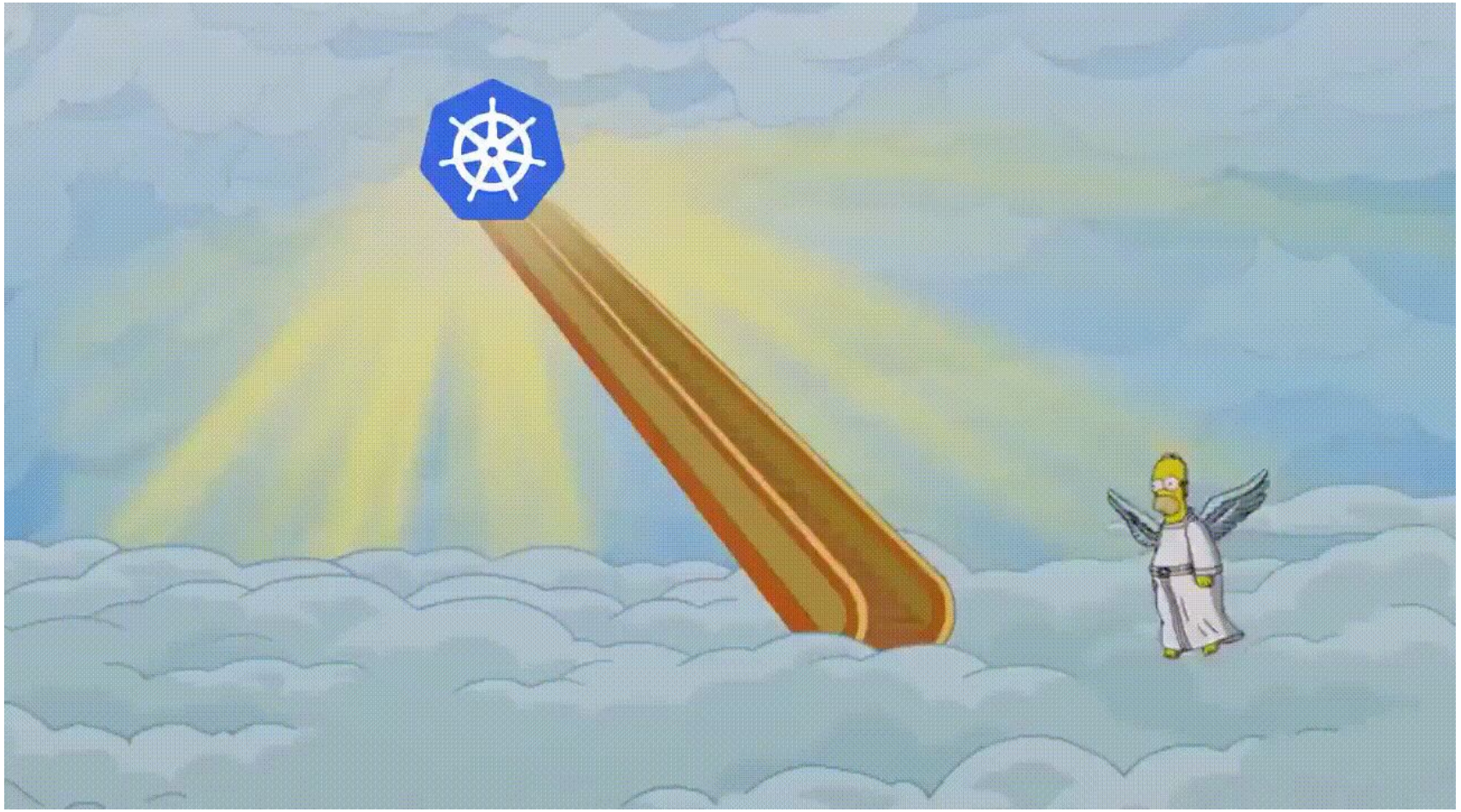
But they never promised simplicity



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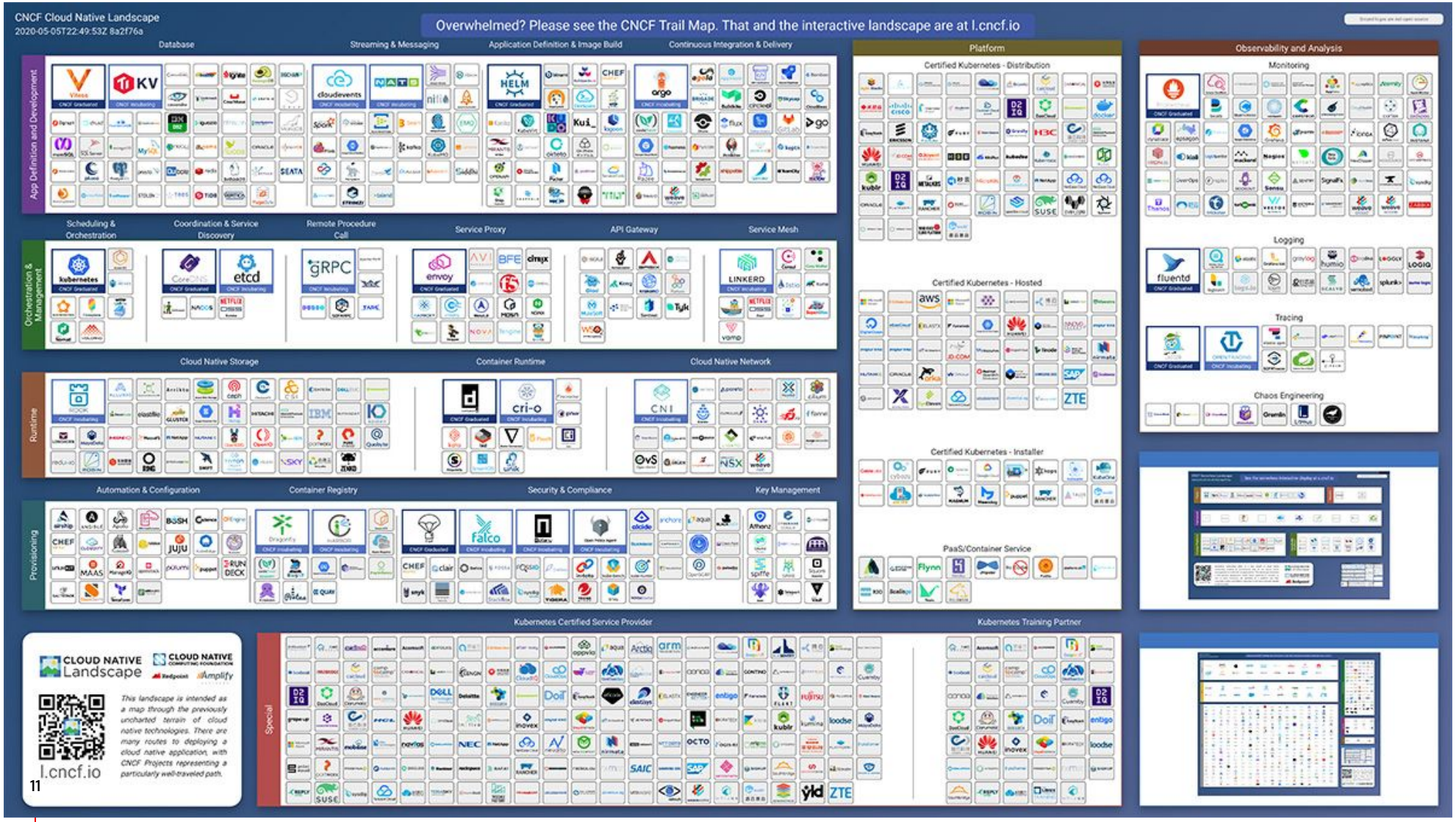
The evolving Cloud Native landscape...



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Red Hat OpenShift : Build business value, not a technology platform

DIY Kubernetes-powered platform

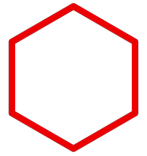
Time and resources to integrate 10-20+ individual services

In house or multiple vendors for ongoing maintenance and support

Reliance on one cloud or DIY integration of multi cloud apps

Red Hat OpenShift

Turnkey application platform with integrated services and tools



Kubernetes AND components supported 100%

Consistent experience and choice regardless of where you deploy

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Red Hat OpenShift cloud services

A turnkey application platform with management and support from Red Hat and leading cloud providers

aws

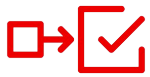
Azure

IBM Cloud

Google Cloud

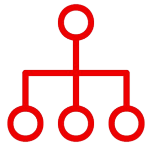
Further Accelerate time to value

Quickly build, deploy, and run applications that scale as needed.



Operational efficiency

Enhance operational consistency, efficiency and security with proactive management and support.



Focus on innovation

Simplify operations so your teams can refocus on innovation, not managing infrastructure.

Hybrid cloud flexibility

Deliver a consistent experience on premises and in the cloud.

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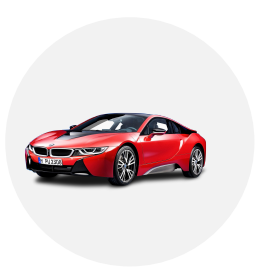
Building an Application Platform on Public Clouds

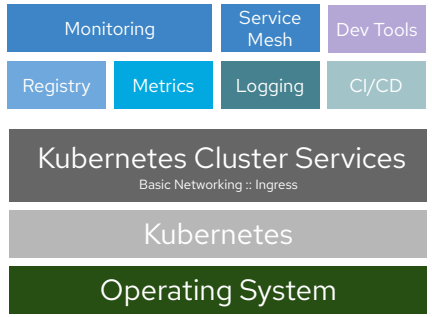
The required Parts

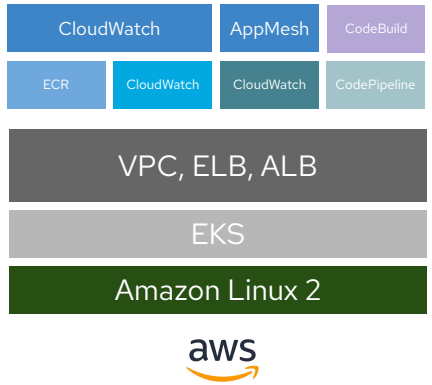
The AWS Car

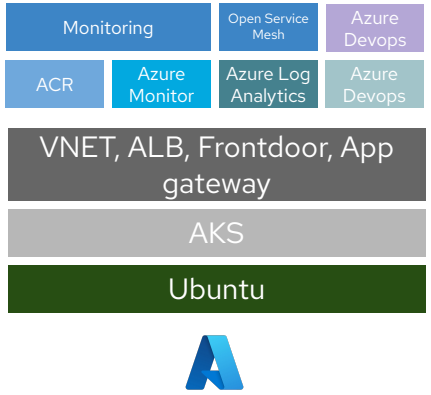
The Azure Car

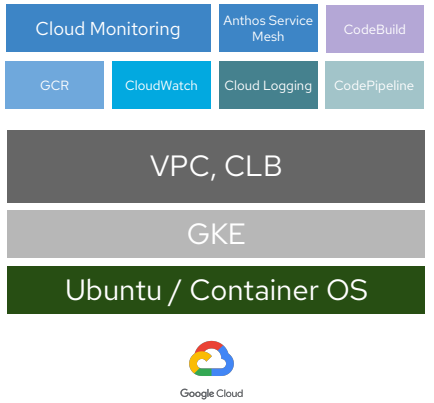


The GCP Car









3 Different Cars

- Different component versions
- Different life cycles
- Different support models
- Different developer and ops tooling

→ **3 different drivers and pit crews needed**

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OpenShift differentiator with an analogy

The Parts

Monitoring | Service Mesh | Dev Tools
Registry | Metrics | Logging | CI/CD
Kubernetes Cluster Services
Basic Networking :: Ingress
Kubernetes
Custom OS

aws · Azure · Google Cloud

xKS + 'native' services

The Assembled Car

Monitoring | Service Mesh | Dev Tools
Registry | Metrics | Logging | CI/CD
OpenShift Cluster Services
Networking :: Router :: OLM
Kubernetes
Red Hat Core OS

- Application Platform -
Self-managed Red Hat OpenShift

The Car & Pit Crew

SRE and Customer Success
Monitoring | Service Mesh | Dev Tools
Registry | Metrics | Logging | CI/CD
OpenShift Cluster Services
Networking :: Router :: OLM
Kubernetes
Red Hat Core OS

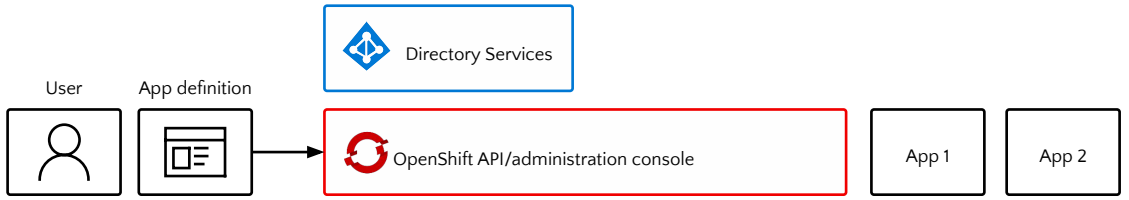
Azure · IBM Cloud · aws · Google Cloud

- Turnkey Application Platform -
Red Hat OpenShift cloud services

Red Hat

From Self - Managed to Fully Managed clusters with Openshift Cloud Services

Responsibilities	
User management	Customer
Project and quota management	Customer
Application lifecycle	Customer
Cluster creation	Cloud Provider and Red Hat
Cluster management	Cloud Provider and Red Hat
Monitoring and logging	Cloud Provider and Red Hat
Network configuration	Cloud Provider and Red Hat
Software and security updates	Cloud Provider and Red Hat
Platform support	Cloud Provider and Red Hat



Let Cloud Provider and Red Hat

Manage all your clusters.

Secure your nodes.

Monitor and operate your VMs.

Manage environment patches.

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OpenShift Cloud Services - Some Fast Facts

Faster Time To Development

- Clusters that deploy easily in ~ **45 minutes !**
- Less time on infrastructure, more time spend on your applications
- Fully HA Standard Arch

Reduced Complexity

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

Integrated into the Cloud

- Native Integration with Azure Ecosystem and services
- Only company to offer managed Kubernetes on **all** major public clouds
- **Consistent** OpenShift experiences across clouds, with ability to do multi cloud.

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Accelerating innovation

End-to-End support for your entire application platform

- OpenShift cloud services includes full support for worker nodes
  - Zero downtime upgrades,
  - proactive monitoring
  - automated patching
  - Compliance and certifications extend to worker nodes
- 99.95% financially backed SLA
- 24x7 joint support from Red Hat and cloud provider
- Automation and Day 2 Operations by global SREs

1 "The Total Economic Impact™ of Red Hat OpenShift Cloud Services by Forrester, "Jan. 2022.

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Speed wins the race ! The benefits of offloading platform maintenance..

- **Shortened** development lifecycle
- **Increased Operational Efficiency**
- Higher focus on innovation and revenue-generating activities
- Improved business efficiency at every angle and faster time-to-market
- Deploy **first**, not last

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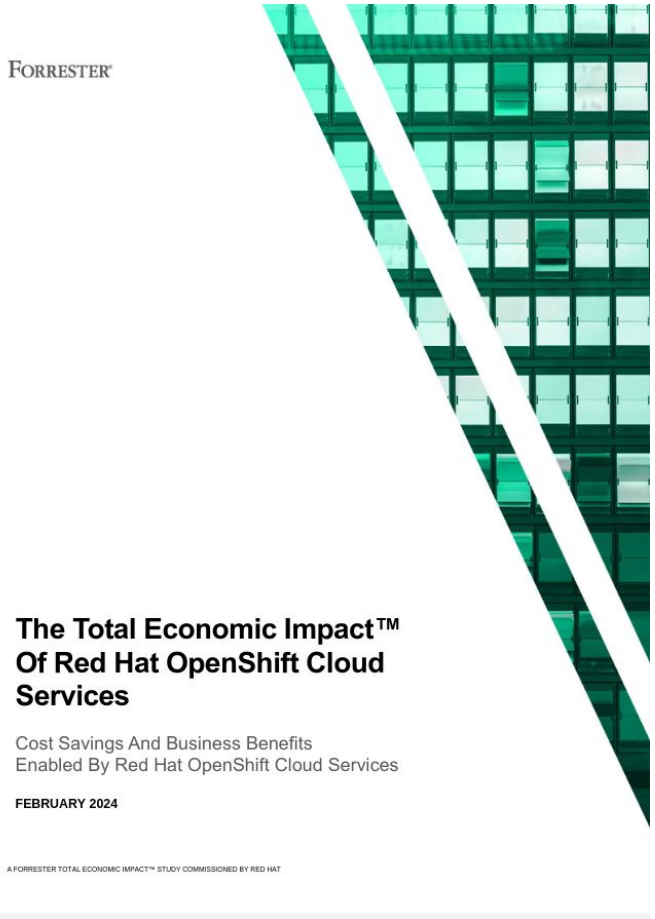
Improve focus, efficiency and productivity

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



50%

50% improvement in operational efficiency[1]

468%

468% return on investment[1]

65%

Shortened development cycle by 65%[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, "Feb 2024.

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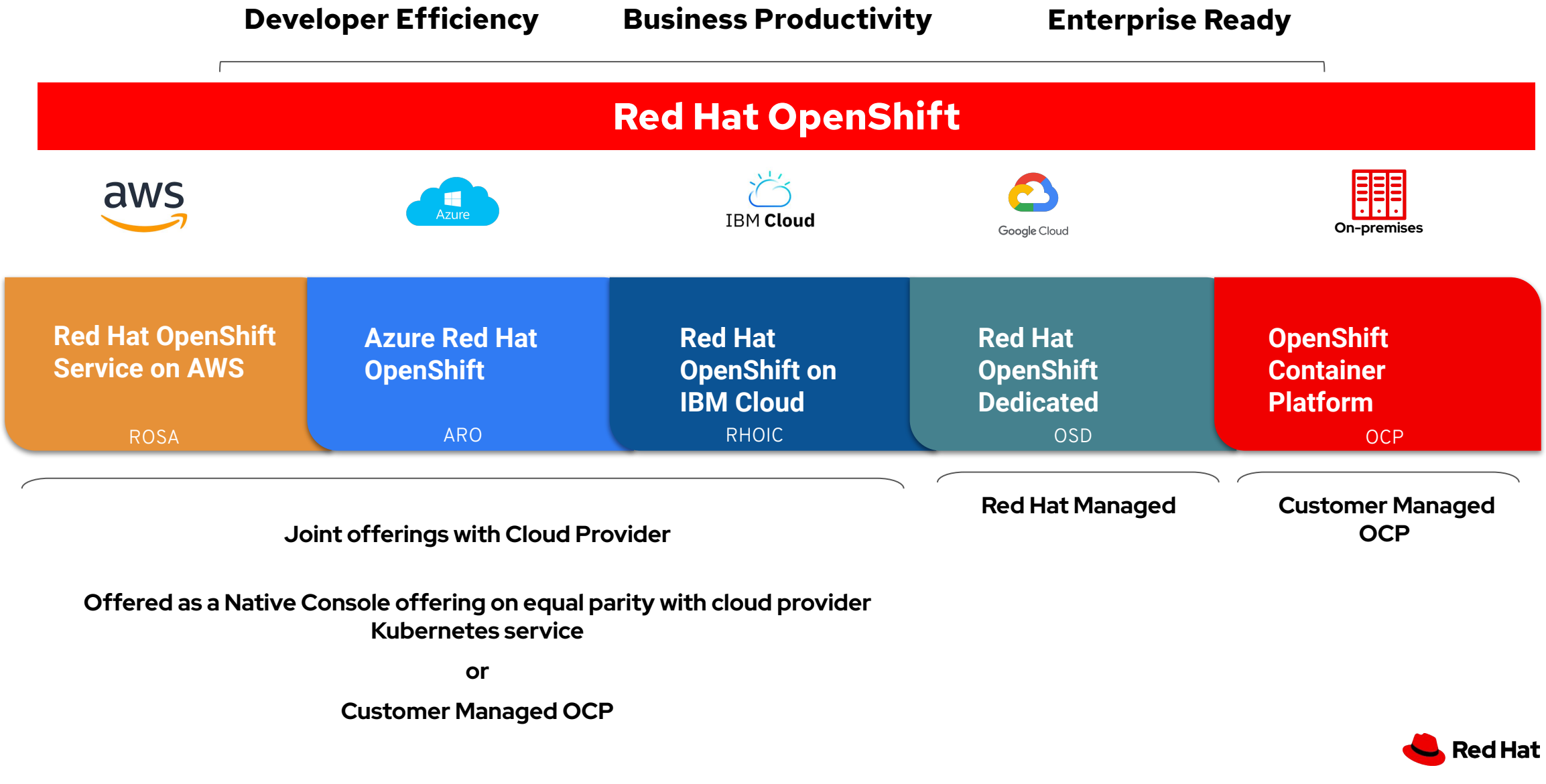
Same experience .. everywhere..



21

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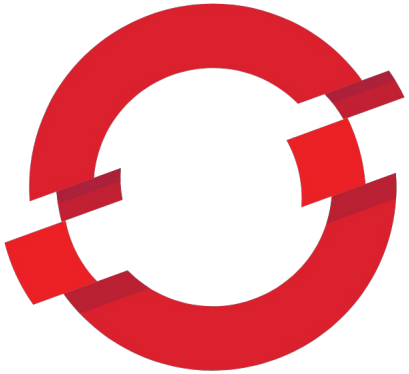
Not only technically integrated, but commercially as well



Next steps : Workshops

21st November - ROSA : https://events.redhat.com/profile/form/index.cfm?PKformID=0x1259720abcd

27th November - ARO : https://events.redhat.com/profile/form/index.cfm?PKformID=0x1261810d317

Azure

aws

Google Cloud

IBM Cloud

Red Hat

Next steps : Let’s talk

Red Hat Summit

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twitter.com/RedHat

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