

Red Hat Day Events

January 30, Vancouver

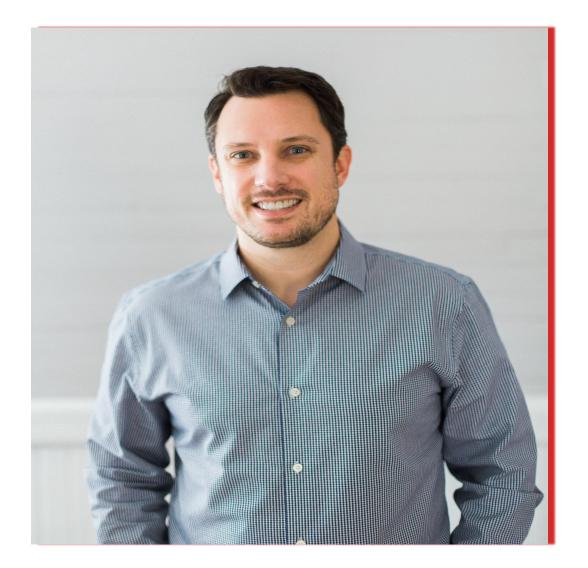
OpenShift The Platform for Big Ideas





Software Success is Business Success





Brian Gracely

Sr. Director Product Strategy Red Hat OpenShift



Software is the interface to customers, markets and decision-making.

Either your business will be good at software, or your business will eventually fail.



Big ideas drive Business Innovation

Cloud Containers DevOps Digital Containers transformation Artificial intelligence Internet of things Open source communities

Open organization

Kubernetes

Business innovation is all around us.

Every organization in every geography and in every industry can innovate and create more customer value and differentiation with open source technologies and an open culture.





Digitally advanced enterprises are 8x more likely to grow share and exceed their objectives.



6699

We provide a 5-hour head start in treating sepsis. And in the hands of clinicians, 5 hours saves lives.

Dr. Edmund Jackson VP & Chief Data Scientist HCA Healthcare

HCA Healthcare Using data insights to save lives



UPS Analytics-driven logistics



6699

We can localize clusters in different markets if we need to and therefore serve our customers on a worldwide scale.

8 4 2 00 00

Dr. Alexander Lenk Lead Architect Connected Vehicle, Digital Backend, Big Data, Blockchain BMW Group

BMW Connected Drive

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VOLKSWAGEN Autonomous Vehicle Testing

6699

We got the idea to have all these tests we do with hardware on virtual test environments, and that's why we've come to OpenShift and containers.

Michael Denecke Head of Test Technology Volkswagen AG

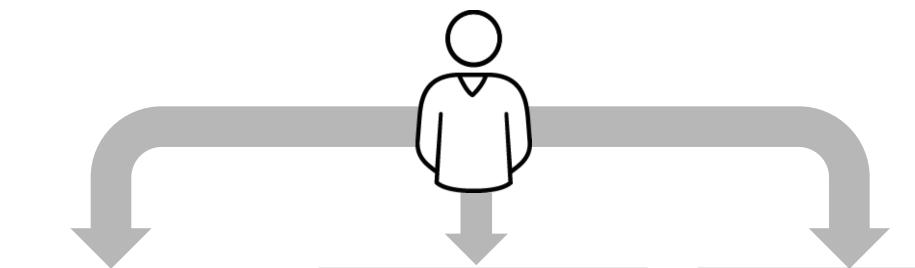
an idea, we can start uilding the p This agility is something we have never experienced before.

Tobias Mohr Head of Technology and Infrastructure Lufthansa Technik

LUFTHANSA TECHNIK From Idea to Innovation in Days

Aircraft Typ

Business Interactions are Hybrid





DIRECT / PHYSICAL



DIGITAL ENGAGEMENT



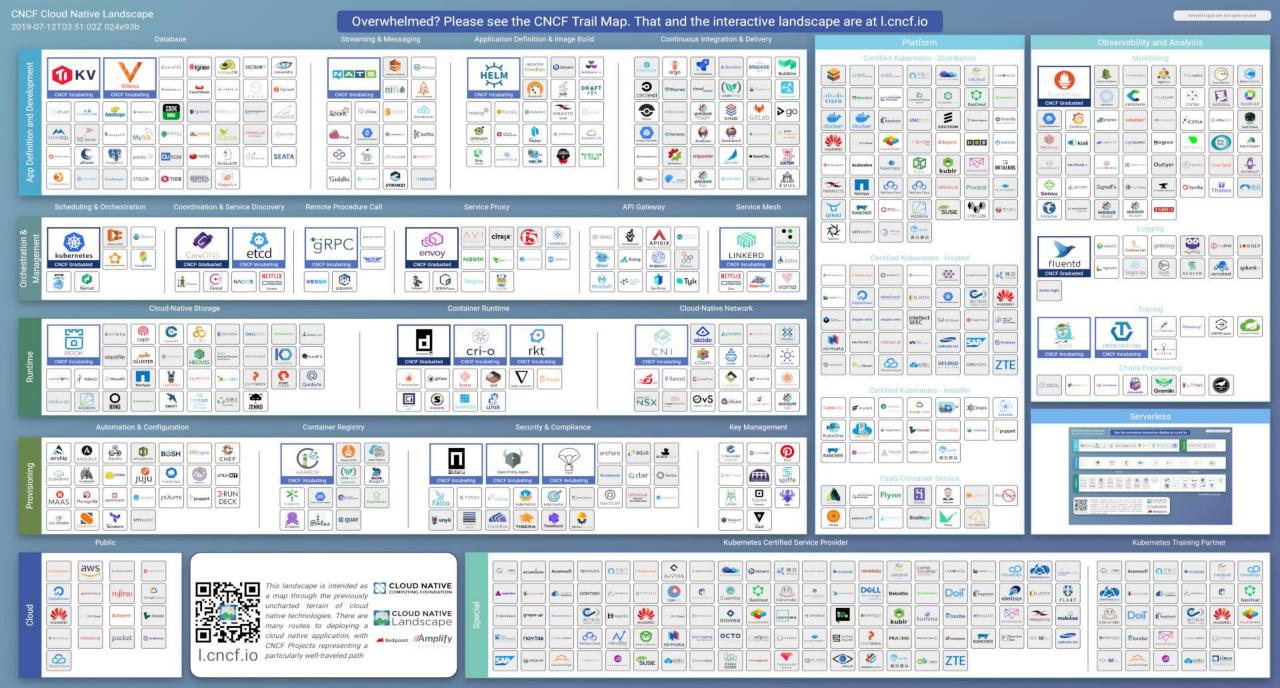
MARKETPLACE APIS

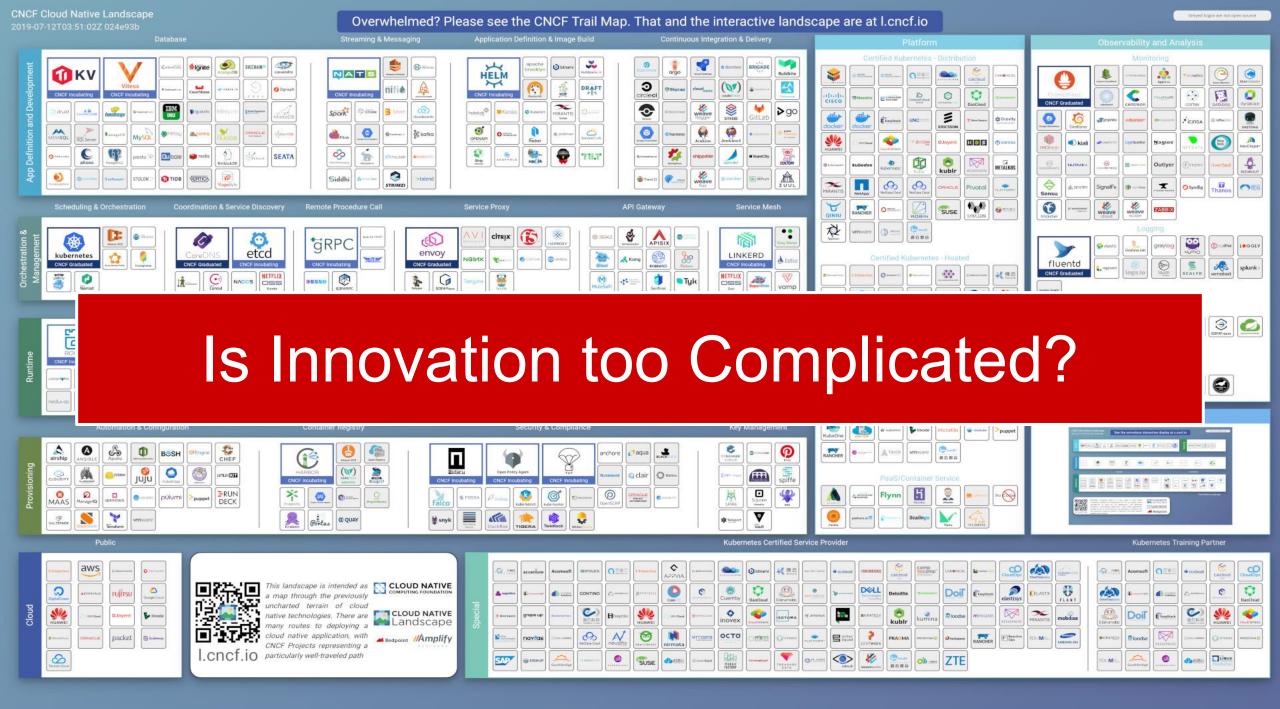




Making Software Successful



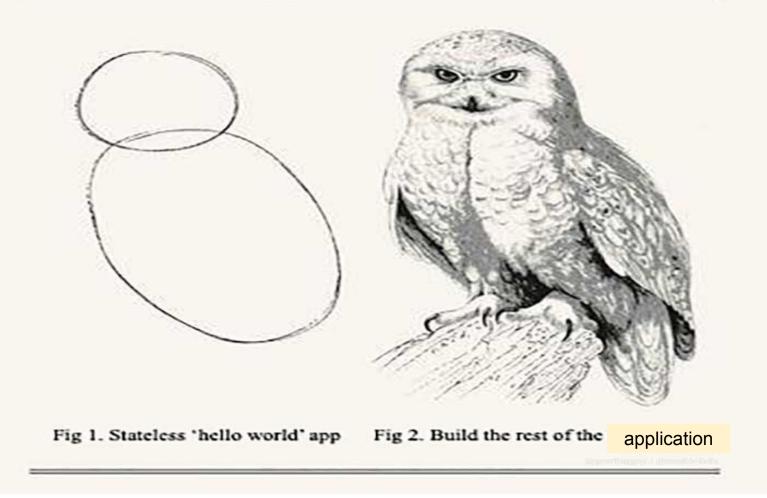




How to manage apps in Kubernetes

"A fun and creative guide for beginners"

17



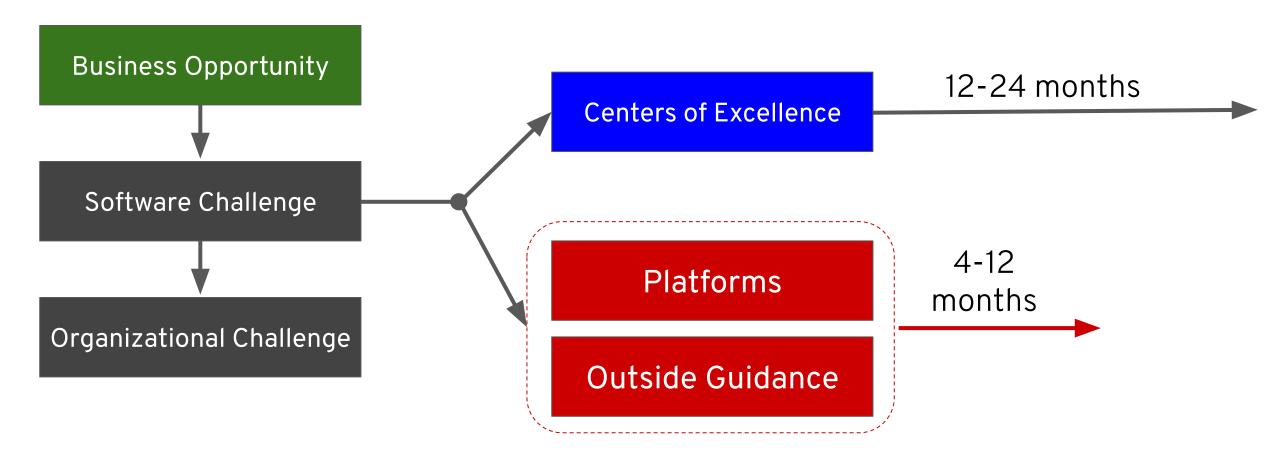


Getting to Figure 2 can be difficult





Companies take Multiple Paths





Red Hat OpenShift business value



531% 5-year ROI

66% Faster development life cycle 36%

More applications per year

8 MONTHS

Payback period US\$1.29M

Average annual benefits per 100 developers

The Business Value of Red Hat OpenShift, IDC #US41845816, October 2017, <u>https://www.redhat.com/en/resources/The-Business-Value-of-Red-Hat-OpenShift</u>.



CATHAY PACIFIC



Increased application development throughput from 20 to 200 changes a day

> OpenShift on public & private cloud



Months → Days

Improved time to market by accelerating development time

> OpenShift on public cloud



50%

Reduction in development time for new services and APIs. Launched a new cloud platform in **10 days**

> OpenShift on multiple public cloud, & private cloud

Source:

Cathay Pacific: Red Hat press release, Cathay Pacific Takes Customer Experiences to New Heights with Red Hat's Hybrid Cloud Technologies, May 2018.

Hilton: Red Hat case study, Hilton enhances digital guest experience with Red Hat container and automation technology, October 2018.

Schiphol: Red Hat case study, Amsterdam Airport Schiphol builds agile cloud with Red Hat, August 2017.

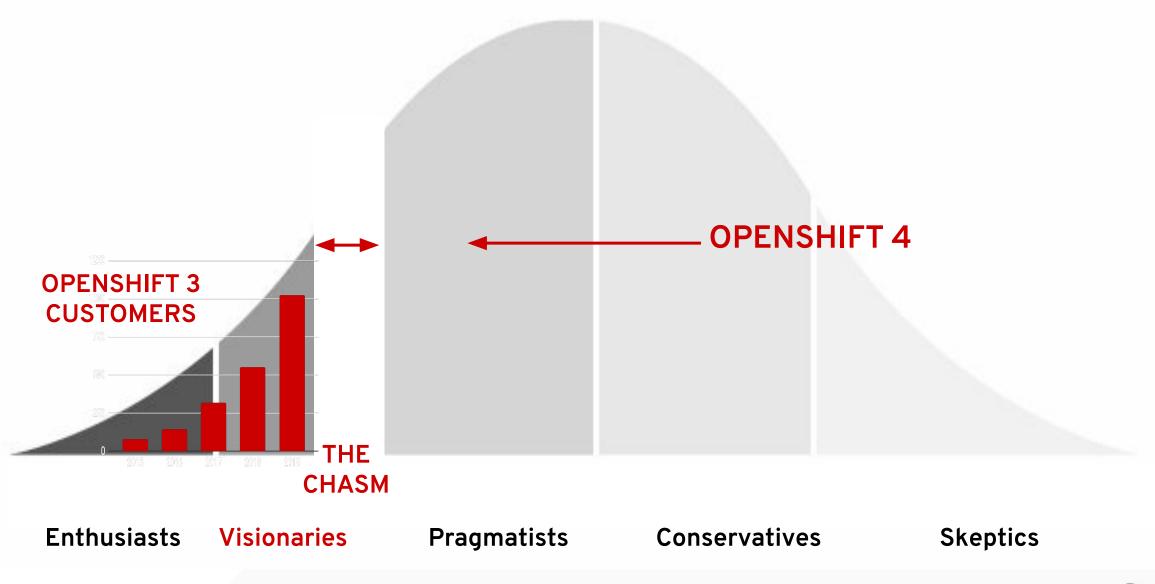




Choosing the Right Application Platform

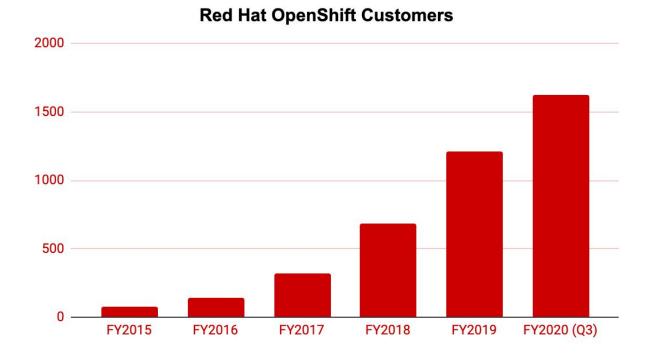


OPENSHIFT 4 - Crossing the Chasm

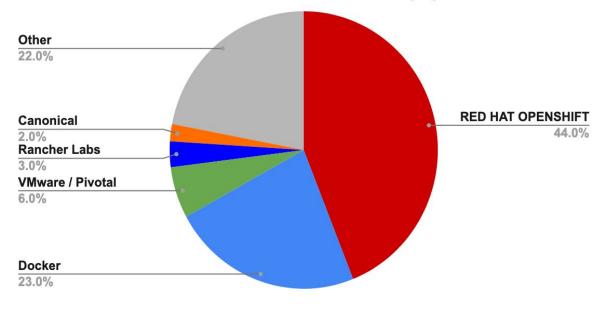




OpenShift leads the Kubernetes Application Platform Market



Container Market Share (%)



* IHS Container Market Share



24

Market Expectations for Application Platforms

CLOUD EXPECTATIONS

BROAD APPLICATION SUPPORT

CONTINUOUS SECURITY

ON-DEMAND | AS-A-SERVICE MARKETPLACES

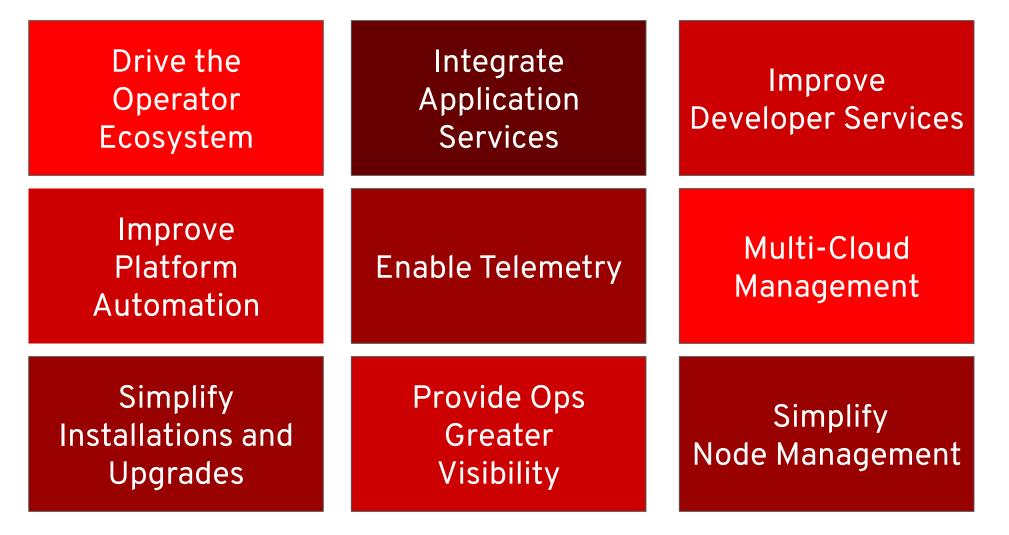
STANDARDS | INTEROPERABILITY | PORTABILITY | AVOID LOCK-IN

> LIMITED OPERATIONS or MANAGED SERVICES





Reimaging OpenShift - OpenShift 4





Red Hat OpenShift 4 Platform

CLUSTER SERVICES

Metrics, Chargeback, Registry, Logging

APPLICATION SERVICES

Middleware, Service Mesh, Serverless and Functions, ISV

DEVELOPER SERVICES

Dev Tools, Automated Builds, CI/CD, IDE

AUTOMATED OPERATIONS

ENTERPRISE KUBERNETES

Red Hat Enterprise Linux or RHEL CoreOS

Best IT Ops Experience

CaaS ←→ PaaS ←→ FaaS

Best Developer Experience



Routing & transformation Technology Adapters Error Handling Development Patterns

Application Concerns

Declarative programming Event orchestration Activation & scale-to-zero Service Binding

Continuous Integration GitOps Continuous Delivery

Traffic Routing Network Resilience Security

Infrastructure Concerns Provisioning Scheduling & Deployment Scaling & Service Discovery Monitoring and Recovery



Routing & transformation Technology Adapters Error Handling Development Patterns

Application Concerns

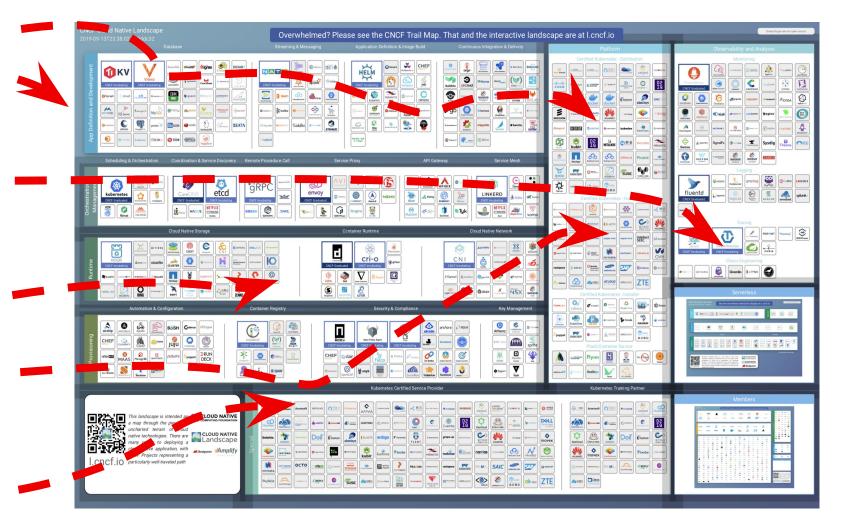
Declarative programming Event orchestration Activation & scale-to-zero Service Binding

Continuous Integration GitOps Continuous Delivery

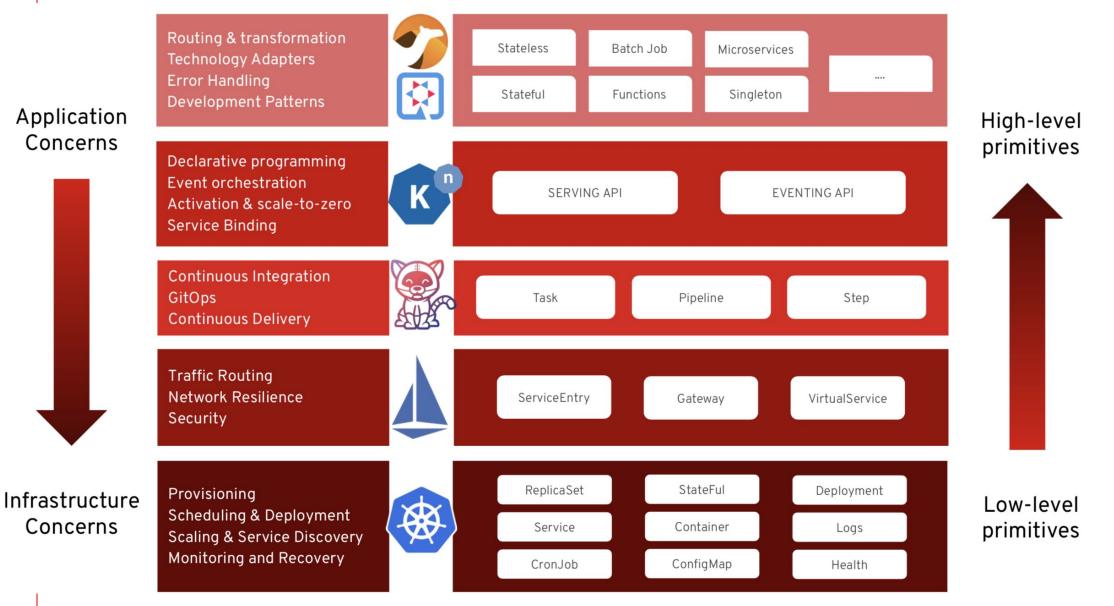
Traffic Routing Network Resilience Security

Infrastructure Concerns Provisioning Scheduling & Scaling & Ser

Scheduling & Deployment Scaling & Service Discovery Monitoring and Recovery





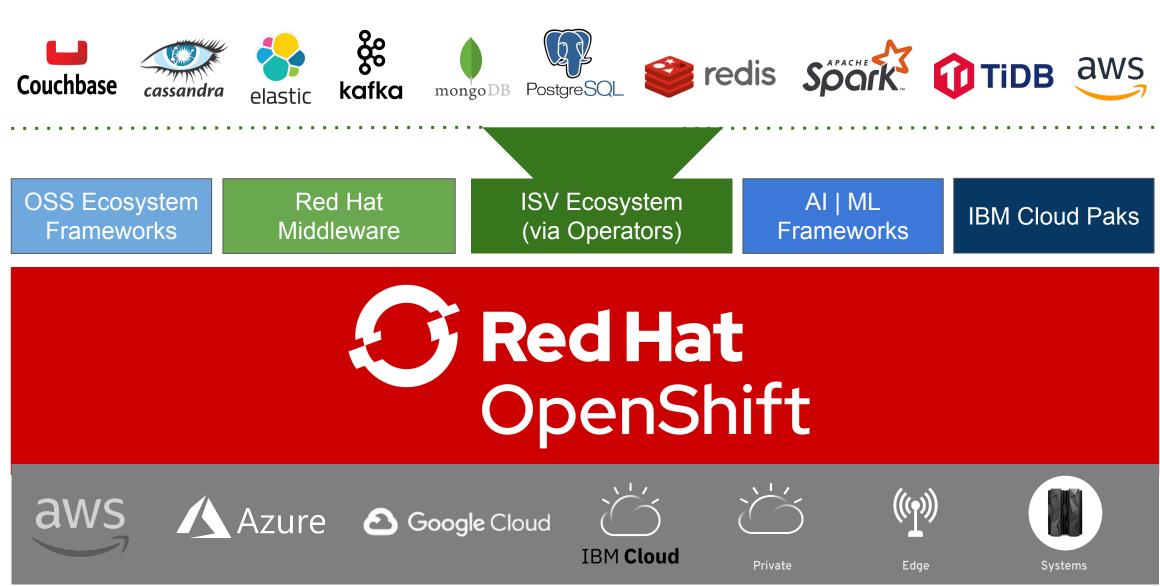




Red Hat OpenShift - Hybrid Multi-Cloud platform

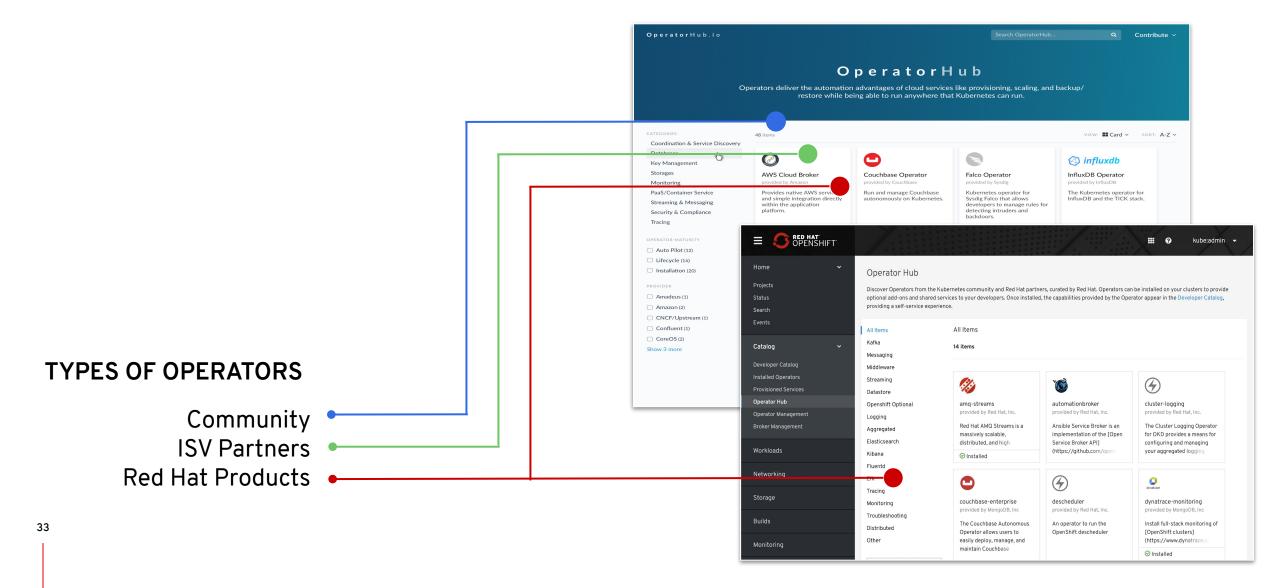




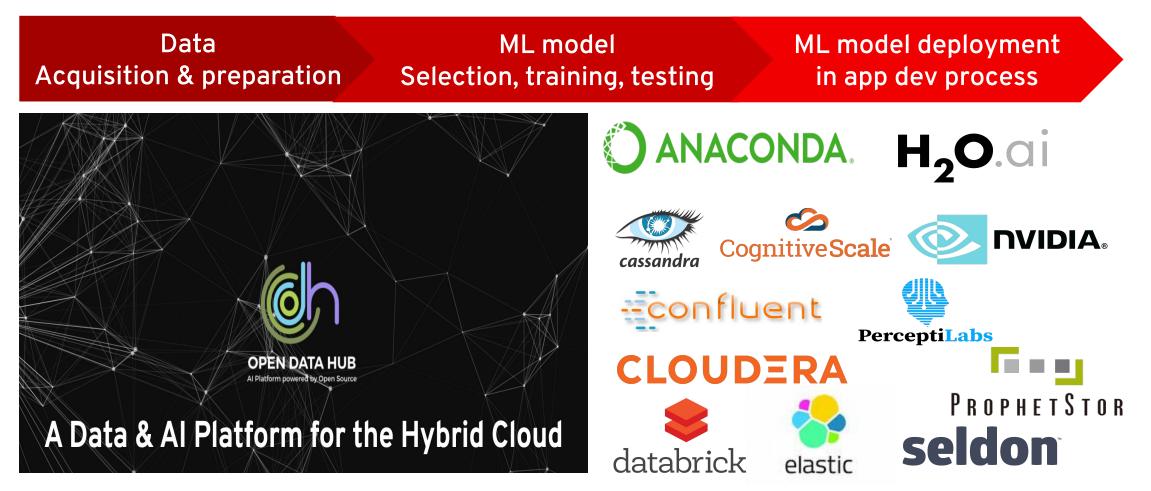




Openshift Operators enable ISV Innovation operatorhub.io



AI Ecosystem focusing on OpenShift integrations opendatahub.io





OpenShift - Comprehensive Platform Security

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	CONTROL Application Security	Container Content	CI/CD Pipeline
		Container Registry	Deployment Policies
	DEFEND Infrastructure	Container Platform	Container Host Multi-tenancy
		Network Isolation	Storage
		Audit & Logging	API Management
	EXTEND		
		Security Ecosystem	



Hybrid and Multi-Cloud Management

OpenShift Cluster Manager





Red Hat Services for OpenShift adoption

RED HAT OPEN INNOVATION LABS





EXPERIMENT Rapidly build prototypes, do DevOps, and be agile.

CATALYZE INNOVATION Bring modern application development back to your team.



IMMERSE YOUR TEAM Work side by side with experts in a residency-style engagement.

TO SHOW YOUR TEAMS HOW OPENSHIFT AND MODERN DEVELOPMENT PRACTICES CAN DRIVE INNOVATION: START WITH A 4- TO 12-WEEK LABS RESIDENCY

RED HAT CONTAINER ADOPTION PROGRAM



FRAMEWORK FOR SUCCESSFUL CONTAINER ADOPTION AND I.T. TRANSFORMATION:

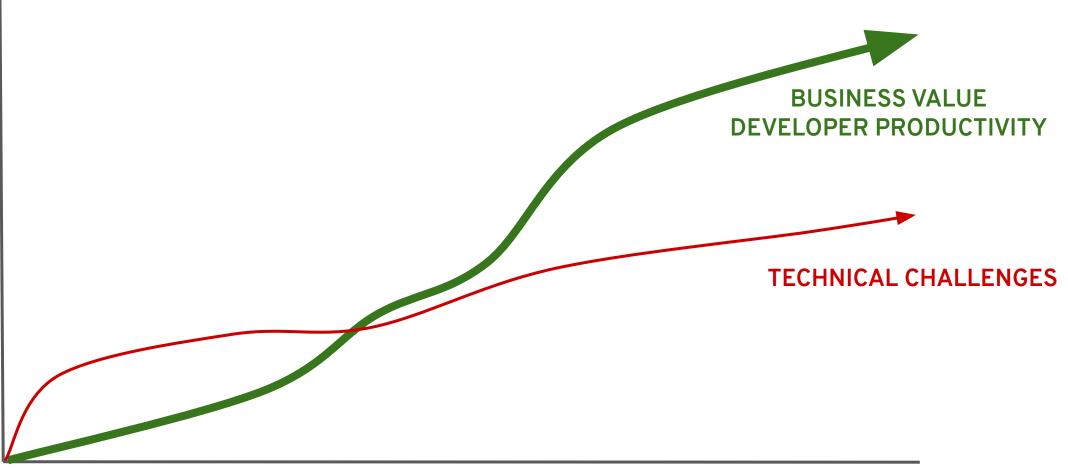
Mentoring, training, and side-by-side collaboration to:

- Create a production platform and team to run it
- Create end-to-end container-driven deployment automation
- Scale application onboarding expertise
- Guide new Kubernetes-native development
- Align business with IT through included Red Hat Open Innovation Labs

TO BEGIN A COMPREHENSIVE PROGRAM (INCLUDING OPEN INNOVATION LABS): START WITH THE 12-WEEK <u>RED HAT</u> <u>CONSULTING CONTAINER PLATFORM PILOT</u>



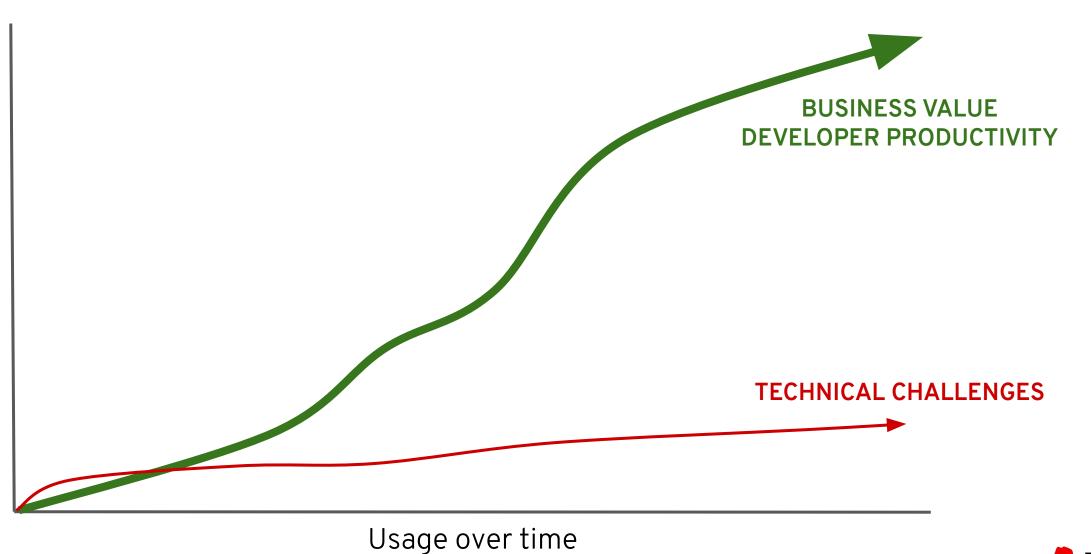
Just Software is not Business Success



Usage over time



Software Success is Business Success







Thank You

in linkedin.com/company/red-hat

youtube.com/user/RedHatVideos

facebook.com/redhatinc

twitter.com/RedHat

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Red Hat Day Events

January 30, Vancouver

OpenShift The Platform for Big Ideas

