

# Red Hat Summit

# Connect



### Connect

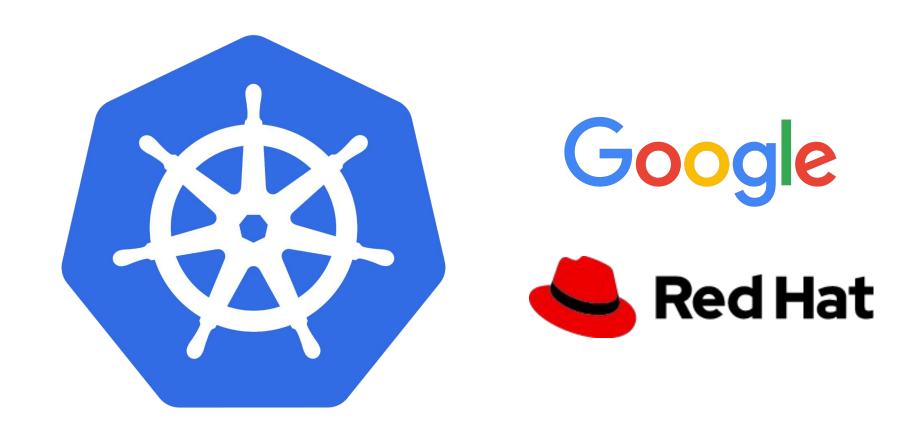
# Moving to OpenShift Cloud Services with Red Hat

Waqaas Kausar



# Why Red Hat for your Kubernetes Platform?

### Kubernetes - Red Hat was there at the start



### Kubernetes done right is hard

#### INSTALL

- Templating
- Validation
- OS Setup

of enterprise users identify complexity of implementation and operations as the top blocker to adoption

Source: The New Stack, The State of the Kubernetes Ecosystem, August 2017

#### DEPLOY

- Identity & Security Access
- App Monitoring & Alerts
- Storage & Persistence
- Egress, Ingress & Integration
- Host Container Images
- Build/Deploy Methodology

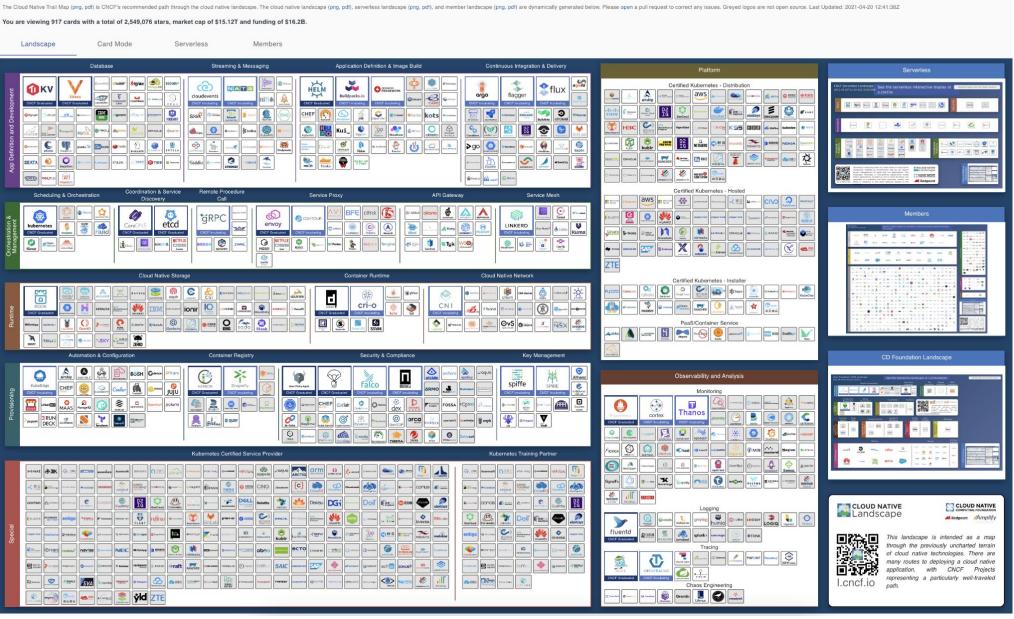
#### **HARDEN**

- Platform Monitoring & Alerts
- Metering & Chargeback
- Platform Security Hardening
- Image Hardening
- Security Certifications
- Network Policy
- Disaster Recovery
- Resource Segmentation

#### **OPERATE**

- OS Upgrade & Patch
- Platform Upgrade & Patch
- Image Upgrade & Patch
- App Upgrade & Patch
- Security Patches
- Continuous Security Scanning
- Multi-environment Rollout
- Enterprise Container Registry
- Cluster & App Elasticity
- Monitor, Alert, Remediate
- Log Aggregation

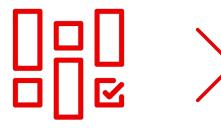


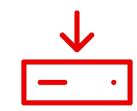


**CNCF Cloud Native Interactive Landscape** 



#### **Red Hat Openshift** Kubernetes Focused On Day 2 Operations











**VALUE** 

#### DAY 0 - Plan

Innovation vs Stability

Speed vs Security

**Build vs Buy** 

On Prem vs Cloud

#### DAY 1-Build

Infrastructure

**Networking** 

**Service Integration** 

**Adoption** 

SLAs

#### DAY 2 - RUN

OS upgrade & patch

Platform upgrade & patch

Image upgrade & patch

App upgrade & patch

**Security patches** 

Continuous security scanning

**Multi-environment rollout** 

**Enterprise container registry** 

Cluster & app elasticity

Monitor, alert, remediate

Log aggregation



# Why Red Hat Managed Openshift?

## Your Choice: Make or Buy?





xKS

- Kubernetes Control Plane
- Easy to spin up
- Customer responsible for everything

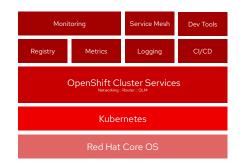






- Collection of individual services coupled together
- Requires Integration

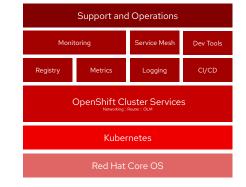




### SELF-MANAGED OPENSHIFT PLATFORM

- Allows for customizationStrong bias for control
- Large IT Ops availability
- Regulatory landscape

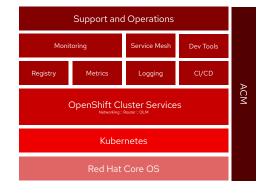




#### ROSA

- Low level of customization
- Development-driven business
- IT Ops resource constraints





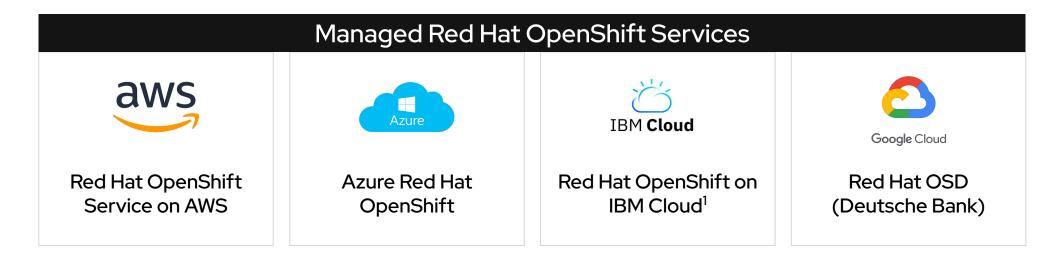
### OPENSHIFT PLATFORM PLUS

- Multi-cloud environment
- Complex landscape
- Evolved DevOps practice
- Focus on portability



### Red Hat Managed Services

### Day 2 Experience from the Field



Managed Services run and operated based on Red Hat Engineering and Field Services best practice

ROSA, ARO and ROKS are purchased and delivered as native services

Other cloud providers on the roadmap for the future



### Red Hat OpenShift Managed Services



#### Faster time to value

Quickly deploy clusters and applications in minutes that scale as needed, enabling a focus on innovative applications, not managing infrastructure



#### **Reduce complexity**

Fully-Managed OpenShift throughout the stack, 24x7 expert SRE support and an industry leading 99.95% SLA

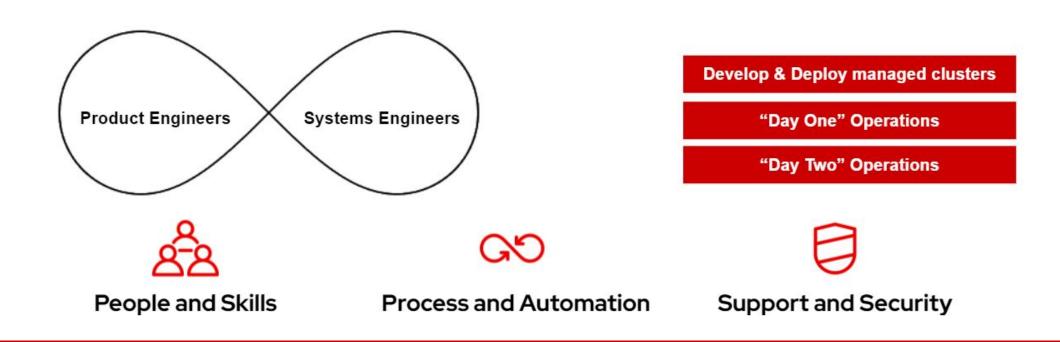


#### **Extensibility**

Layer Add-ons, Red Hat services, Partner operators, custom operators, and public cloud services to extend the functionality of OpenShift Dedicated



### Full Stack Management from a Global SRE Team



ROSA SREs do the undifferentiated heavy lifting while Customers on develop core competencies



# **Creating Success with Red Hat Services**

## Partnering with the customer to create the plan

A recent customer success example - Moving from Openshift 3.x to ROSA

Phase 1 **Go Live**  Migrated Apps **Go Live** 

Ongoing Releases

**Future** 

Ongoing Platform **Enhancement** Continuous App

Modernisation

#### Phase 1

**MVP ROSA Platform** Migration Pilots PoC for Risk Areas

Phase 2

Add Platform Features Migrate all workloads



**Pre-Program** 

Scoping & Approach

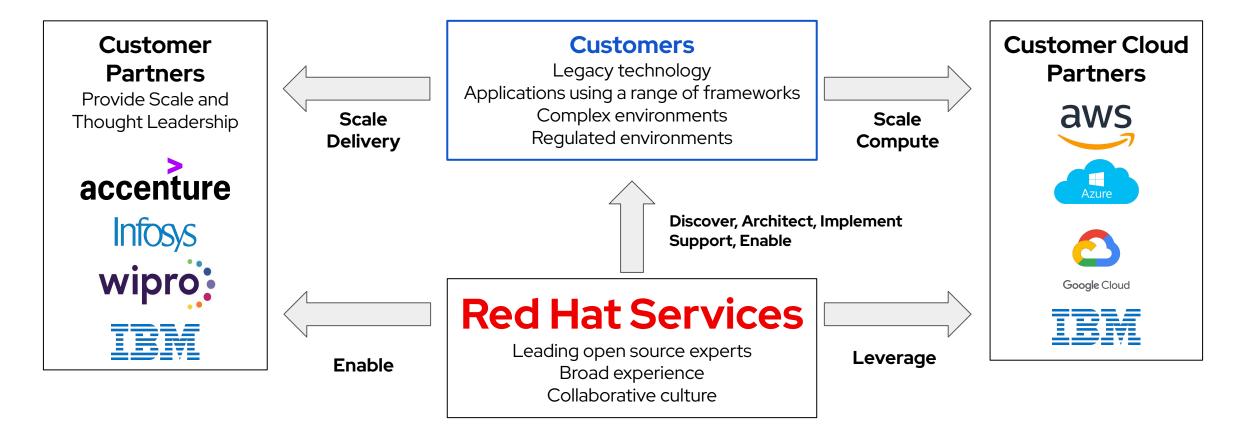
Planning &

Mobilisation



### Why work with Red Hat Services?

Meeting the customer where they are, getting them where they want to be





### In summary, a formula for success...



Openshift is the leading Kubernetes application platform that is designed for Day 2 operations





Red Hat OpenShift Managed Services are an easier, cost-effective way to consume OpenShift from your cloud partner





Engaging Red Hat Services is the best way to deliver a successful outcome for your business and your delivery partners



### Connect

# Thank you



linkedin.com/company/red-hat



facebook.com/redhatinc



youtube.com/user/RedHatVideos



twitter.com/RedHat

