RHUG MONTREAL

22 Mai 2019

Michael Lessard
Principal Solutions Architect

Sebastien Perreault
Senior Solutions Architect

AGENDA

13:00 - 13:30
Introduction et récapitulatif des annonces du Red Hat Summit - Michael Lessard, Red Hat

13:30 - 14:15
Openshift 4 - Amélie Cossette, Red Hat

14:15 - 15:00
Red Hat et Splunk - Matthew Modestino, IT Practionner, Karine Lachapelle et Phil Puma, Splunk

15:00 - 15:20 ::: Pause :::

15:20 - 15:40
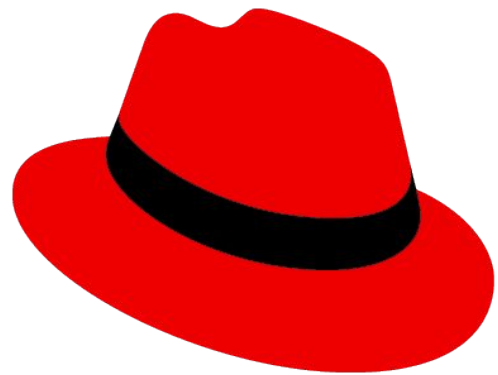Red Hat Universal Base Image (UBI), par Sébastien Perreault, Red Hat

15:40 - 16:00
Red Hat Codeready Workspace par Jean-françois Saucier, Red Hat

16:00 - 17:00
Sociale commandité par Splunk

RED HAT SUMMIT 2019

Participants ::
  Général : + 8500
  Québec : + 50
  Canada : + 300
Sessions et labs :: +360

Red Hat

1:36:34

RED HAT SUMMIT 2020
San Francisco
27 - 29 avril

RED HAT ENTERPRISE LINUX 8

RED HAT ACCESS INSIGHT

IMAGE BUILDER

CONTAINER TOOLS

WEB CONSOLE

APPLICATION STREAMS

UNIVERSAL BASE IMAGE

Trusted enterprise Kubernetes
- Trusted Host, Content, Platform
- Full Stack Automated Install
- Over the Air Updates & Day 2 Mgt

A cloud-like experience, everywhere
- Hybrid, Multi-Cluster Management
- Operator Framework
- Operator Hub & Certified ISVs

Empowering developers to innovate
- OpenShift Service Mesh (Istio)
- OpenShift Serverless (Knative)
- CodeReady Workspaces (Che)

AZURE RED HAT OPENSHIFT (ARO)

Fully managed OpenShift service on Azure

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

Build, deploy and scale apps with confidence

In just minutes, deploy enterprise-grade Red Hat OpenShift clusters on Azure

Enterprise-grade operations, security and compliance
Industry-leading SLA of 99.5% availability
SOC, ISO, PCI DSS, CSA and HIPAA regulatory compliance

Empower developers to Innovate
Support for a range of traditional, cloud native and serverless tools
Easily connect your applications to hundreds of Azure services such as MySQL, PostgreSQL, Redis, Cosmos DB, and more
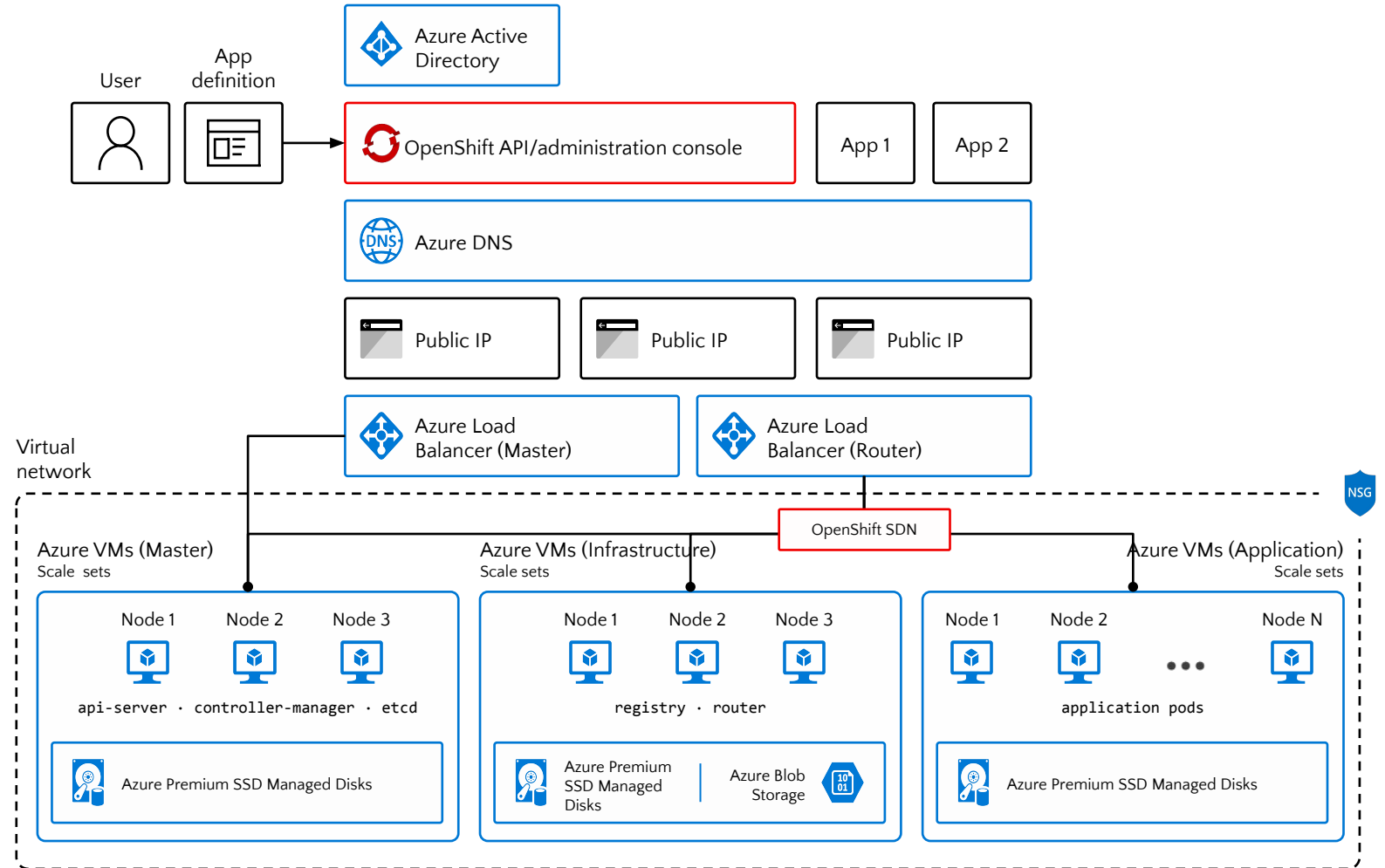
Scale on-demand. Pay as you go.
Scale as your application demand changes
Choice of standard, high-memory, or high-CPU application nodes

Microsoft | Red Hat

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	◣

☐ Customer   ◣ Microsoft and Red Hat

User

App definition

Azure Active Directory

OpenShift API/administration console

App 1   App 2

Azure DNS

Public IP   Public IP   Public IP

Virtual network

Azure Load Balancer (Master)   Azure Load Balancer (Router)

NSG

OpenShift SDN

Azure VMs (Master)
Scale sets

Node 1   Node 2   Node 3

api-server · controller-manager · etcd

Azure Premium SSD Managed Disks

Azure VMs (Infrastructure)
Scale sets

Node 1   Node 2   Node 3

registry · router

Azure Premium SSD Managed Disks | Azure Blob Storage

Azure VMs (Application)
Scale sets

Node 1   Node 2   ...   Node N

application pods

Azure Premium SSD Managed Disks

Azure Red Hat OpenShift

■■ Microsoft | 🎩 Red Hat

SIMPLIFY OPERATIONS 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	◩

☐ Customer   ◩ Microsoft and Red Hat

User   App definition   Azure Active Directory

→ OpenShift API/administration console

App 1   App 2

Let Microsoft and Red Hat…

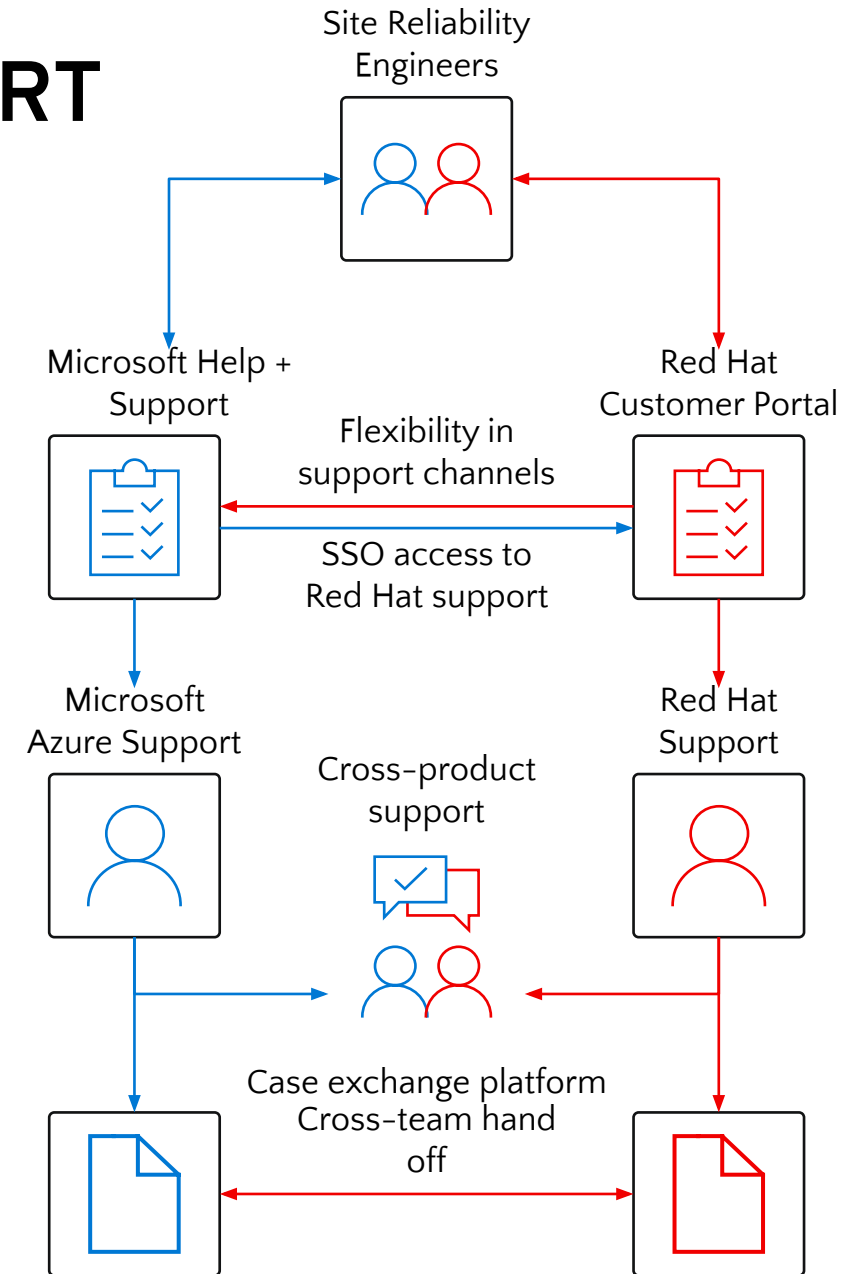Manage all your clusters   Monitor and operate your VMs

Secure your nodes   Manage environment patches

UNIFIED OPERATIONS AND SUPPORT

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

Site Reliability Engineers

Microsoft Help + Support

Red Hat Customer Portal

Flexibility in support channels

SSO access to Red Hat support

Microsoft Azure Support

Cross-product support

Red Hat Support

Case exchange platform Cross-team hand off

Microsoft | Red Hat

RED HAT UNIVERSAL BASE IMAGE
THE BASE IMAGE FOR ALL OF YOUR NEEDS

Enterprise architecture, security and performance

CONTAINER

APP

LANGUAGE RUNTIMES

**OS
(USER SPACE)**
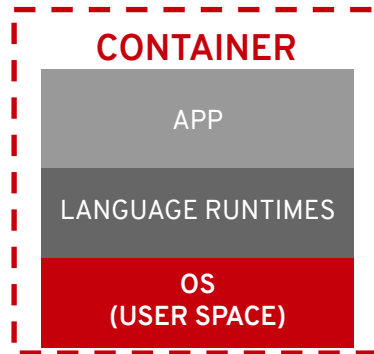
The Red Hat Universal Base Image is based on RHEL and made available at no charge by a new end user license agreement.
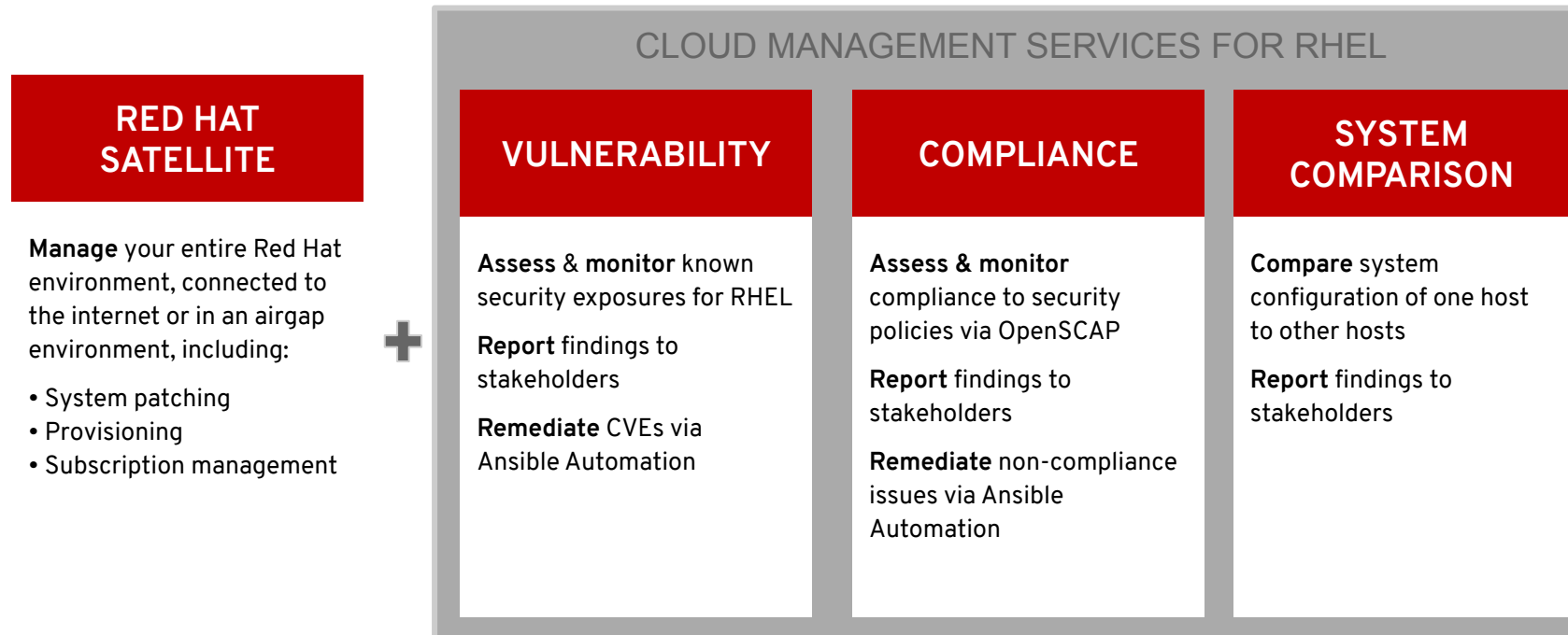
Development

- Minimal footprint (~90 to ~200MB)
- Programming languages (Modularity & AppStreams)
- Enables a single CI/CD chain

Production

- Supported as RHEL when running on RHEL
- Same Performance, Security & Life cycle as RHEL
- Can attach RHEL support subscriptions as RHEL

Red Hat

RED HAT SMART MANAGEMENT

Offering Red Hat Management on premise or in the cloud to best meet your needs

CLOUD MANAGEMENT SERVICES FOR RHEL

RED HAT SATELLITE

Manage your entire Red Hat environment, connected to the internet or in an airgap environment, including:

- System patching
- Provisioning
- Subscription management

+

VULNERABILITY

Assess & **monitor** known security exposures for RHEL

Report findings to stakeholders

Remediate CVEs via Ansible Automation

COMPLIANCE

Assess & monitor compliance to security policies via OpenSCAP

Report findings to stakeholders

Remediate non-compliance issues via Ansible Automation

SYSTEM COMPARISON

Compare system configuration of one host to other hosts

Report findings to stakeholders

Cloud management services areas to build out over time: Subscription, cost management, policies, and more

Red Hat Hybrid Cloud Management

Introducing a new offering including SaaS based services to help customers govern and automate on-premise and multi-cloud environments

CLOUDFORMS

On-Premises IT Automation:

Capacity analytics

Virtual and Private Cloud Provisioning

Embedded Automation

CATALOG

Self-Service Provisioning

Across Hybrid Cloud Infrastructure

Govern content to users.

Decision Manager for Multi-Level Approval .

COST MANAGEMENT

Multi-cloud Cost Visibility and Analytics

Private, hybrid, and public cloud **visibility**

Meter, Allocate, Visualize, and Optimize consumption **across** IT environments

Red Hat

PROCHAINES ACTIVITÉS

Red Hat Mini Summit - Québec
11 Juin
http://redhatdays.ca/FY19/RHDMontreal_fr/

Meetup spécial : **Nokia et Openshift, Ansible Network** -
12 Juin

Truck Red Hat - Première semaine de juillet
Workshop sur Red Hat SSO

Merci !

Red Hat est le premier fournisseur mondial de solutions logiciels libres pour entreprises. Des services d'assistance, de formation et de conseil primés. Red Hat est un conseiller de confiance pour le Fortune 500.

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