

Hybrid Cloud & DevOps

THE PLATFORM FOR AGILE BUSINESS

August 2019

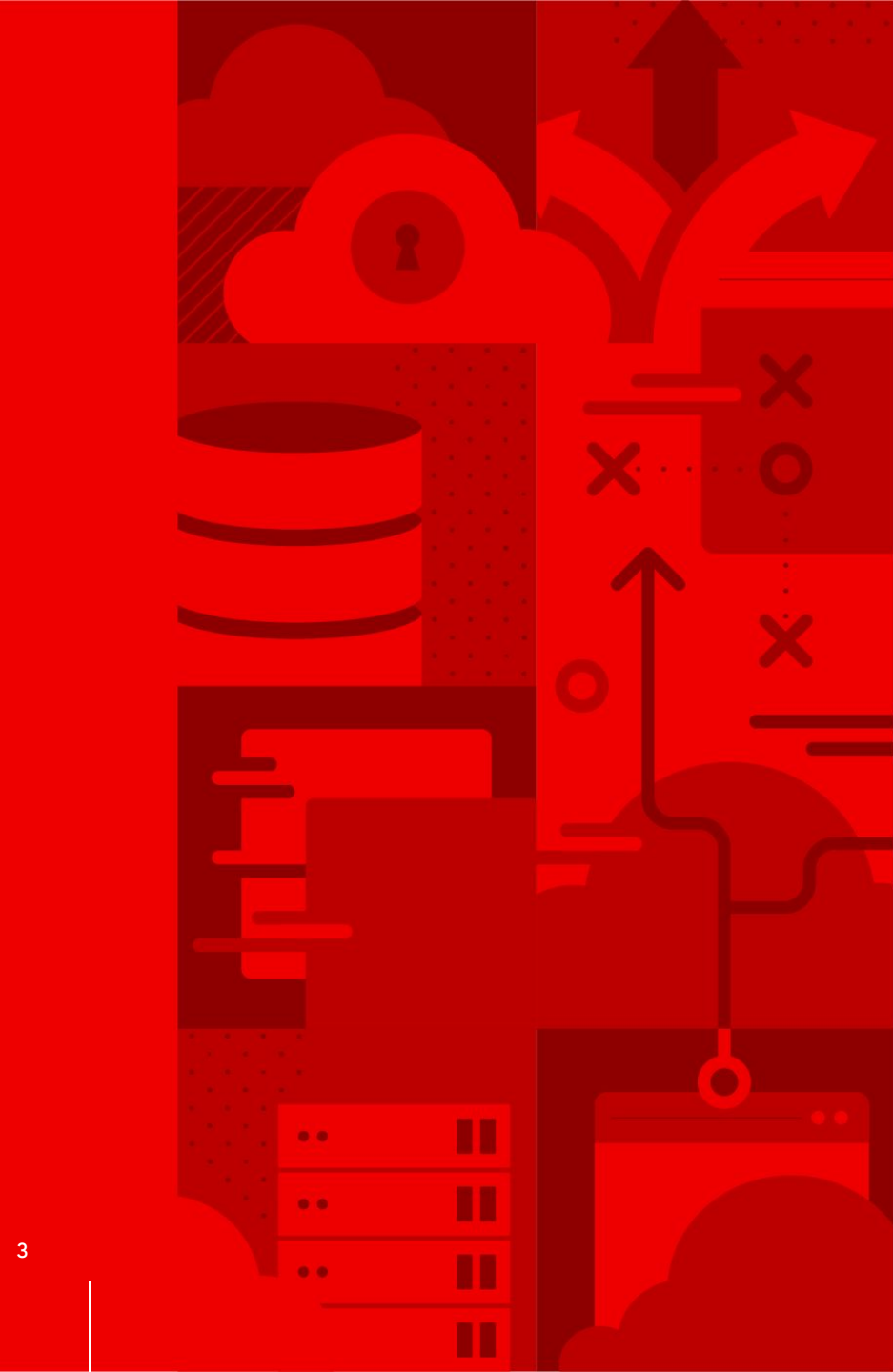
Juan Jose Floristan

Vikas Grover



AGENDA

1. Where are you today?
2. What approaches can you consider?
3. Red Hat can help



Where are you
today?

WHAT IS YOUR TOP PRIORITY?

1. Building a cloud strategy
2. Using public cloud
3. Building new private cloud
4. Maintaining or improving existing private cloud
5. Using containers on cloud
6. Managing hybrid or multi cloud resources
7. Security across hybrid cloud environments

THE REALITY OF CLOUD INFRASTRUCTURE

THERE ARE MANY WAYS TO GET TO DEPLOY A CLOUD

PUBLIC CLOUD

20% of enterprises plan to more than double public cloud spend in 2018.¹

Red Hat Enterprise Linux is the top commercial Linux distribution in the public cloud.²

PRIVATE CLOUD

26% of organizations have **already deployed a private cloud** while 20% are **researching private cloud adoption.**³

CONTAINERS

Containers support interoperability between different cloud environments, a situation that a third of organizations face today and 45% will face in 2 years.⁴

HYBRID CLOUD

38% of organizations are planning for hybrid cloud adoption while **33% are implementing them.**⁴

Sources: [1] RightScale, [2018 State of the Cloud Report](#), January 2018. [2] (n=372) Management Insight Technologies, sponsored by Red Hat, [State of Linux Kernel Development](#), 2017. [3] (n=205) Gary Chen, sponsored by Red Hat, [Preparing for Private Cloud and Hybrid IT with Red Hat Cloud Infrastructure](#), September 2017. [4] (n=1,057) Red Hat, Cloud Technology Research, May 2018

WHY CUSTOMERS MIGRATE TO HYBRID CLOUDS

INNOVATION IS REQUIRED TO KEEP UP WITH THE COMPETITION



IMPROVE BUSINESS AGILITY¹

“Red Hat technology has helped us to work in a more efficient way, with speed and agility as the biggest outcomes.”

- *Luis Uguina, Macquarie*²



REDUCE TOTAL COST OF OWNERSHIP¹

“...our operating costs have significantly decreased.”

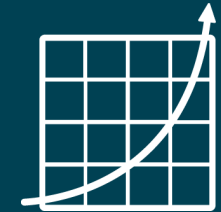
- *Yui Onodera, C.A. Mobile*³



SUPPORT INNOVATION¹

“We can deliver products to market more quickly than our competitors. It’s a game-changer.”

- *Paul Cutter, CTO, Betfair*⁴



GROW THE BUSINESS¹

“We are keen to spearhead development for technology platforms that can power our future networks, like OpenStack...”

- *Christian Gacon, Orange*⁵

Sources: [1] (n=1,057) Red Hat, Cloud Technologies Research Survey, May 2018

[2] Red Hat case study, [Macquarie transforms its digital banking experience for customers](#), May, 2017. [3] Red Hat case study, [C.A. Mobile meets traffic demands with a modern infrastructure](#), April 2016. [4] Red Hat case study, [Paddy Power Betfair upgrades systems to improve online betting](#), June 2016. [5] Red Hat press release, [Orange and Red Hat join forces to spearhead network virtualization innovation](#), November 2017.



**What approaches
can you consider?**

Where are you today?

BALANCING INNOVATION AND OPTIMIZATION

FOCUS ON OUTCOMES THAT IMPACT THE BUSINESS



Optimize the IT
you have



Integrate apps, data,
& processes



**Add & manage cloud
infrastructure**



Build more modern
applications



Automate &
manage IT

BUILD WITH THE FUTURE IN MIND

INVESTMENTS YOU MAKE TODAY WILL AFFECT THE NEXT 5-10 YEARS



- Build on open standards to ensure **interoperability** across current & future infrastructure investments
- Modern cloud infrastructure must support workload **portability** so you can move or run business functions across environments, as needed
- Choose infrastructure that will **scale and grow** at the speed your business & users demand
- Establish a unified **management strategy** so you can maintain policies & keep control
- Free resources for innovation by controlling **costs**

OPEN SOURCE IS KEY

BY AN OVERWHELMING MARGIN

“The vast majority of public cloud infrastructure in the market depends on open source software for basic enablement, and especially for delivery of full functionality. We also see the use of open source software as being fundamental to a substantial portion of private cloud infrastructure in use, and certainly for supporting the run-time environment.”

AL GILLEN

Group Vice President, Software Development & Open Source, IDC,
September 2017

WHAT IS AN OPEN HYBRID CLOUD PLATFORM?

A MODERN PLATFORM THAT TAKES BEST ADVANTAGE OF ALL ENVIRONMENTS

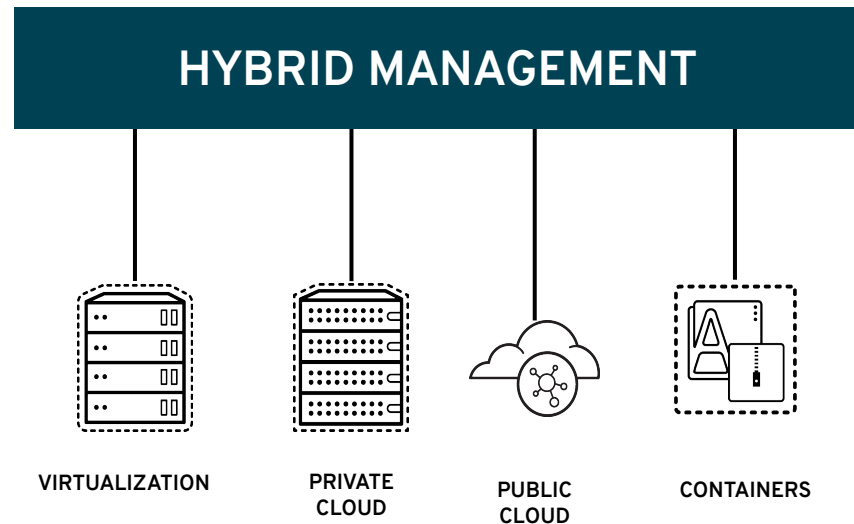
- ✓ Uses both private and public cloud infrastructure
- ✓ Unifies management across all environments
- ✓ Provides seamless experience and interoperability across all environments
- ✓ Provides a container environment with orchestration
- ✓ Adheres to open, common industry standards and APIs

UNIFIED HYBRID MANAGEMENT

DEFINE AND IMPLEMENT POLICY CONSISTENTLY



- One management system
- Consistent automation & policies



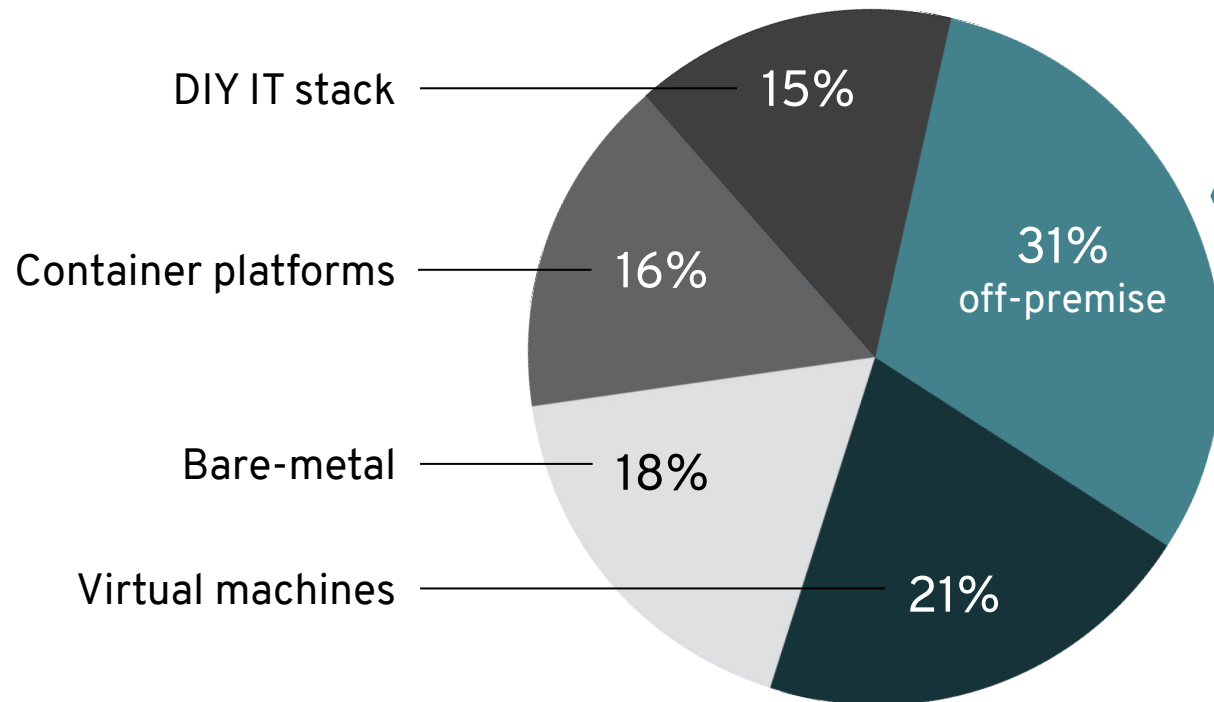
- Deliver services faster and reduce operational costs through self-service capabilities and life-cycle management
- Improve operational visibility and control, which helps reduce risk
- Ensure compliance and governance through automated policy control
- Deploy composite applications to your choice of infrastructure in the same way, every time

WHERE CONTAINERS ARE BEING USED

ORGANIZATIONS START ON-PREMISE, THEN MOVE TO THE CLOUD

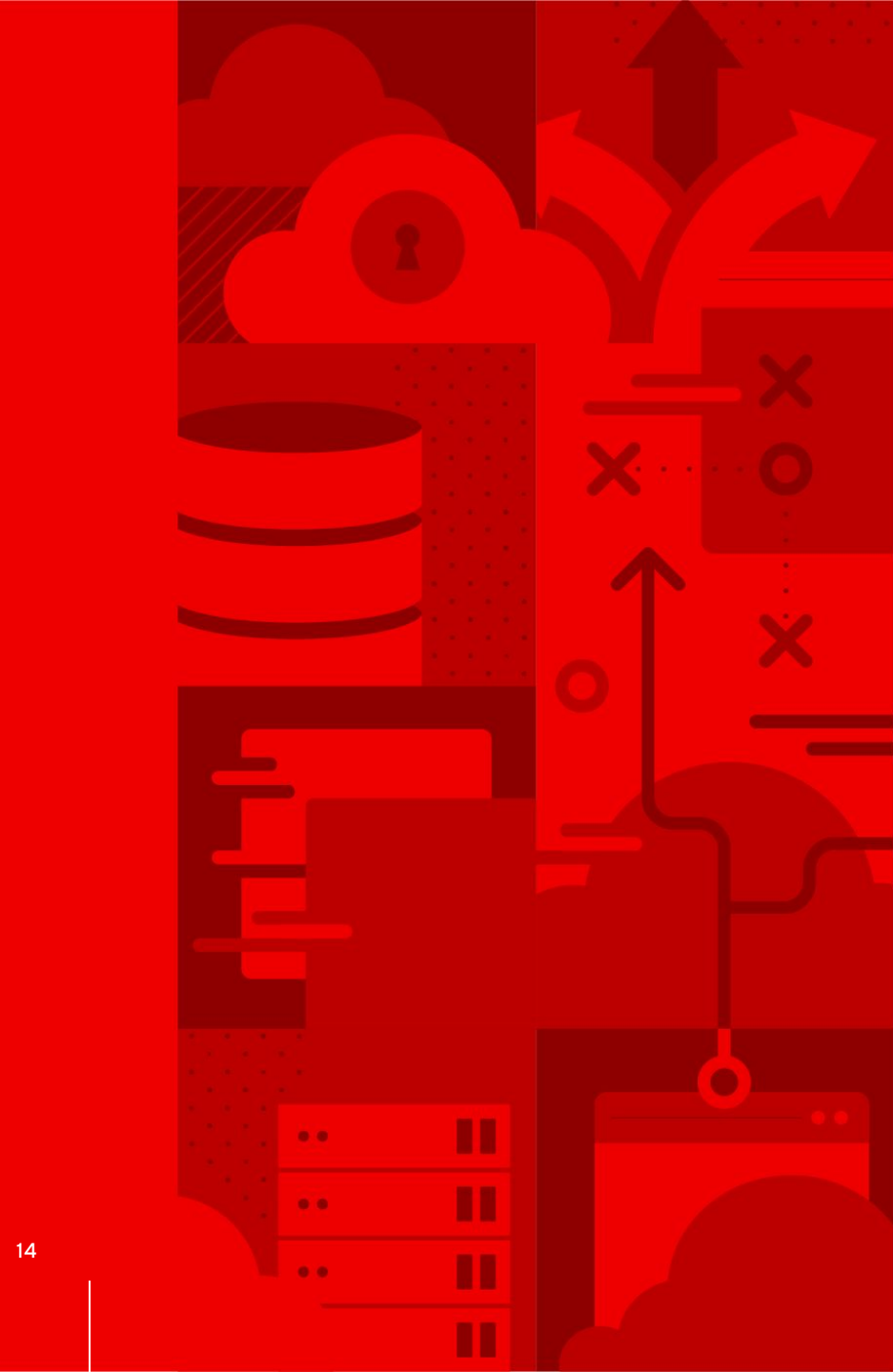
Question: How much of your organization's containers are built and run in the following environments?

WHEN ON-PREMISE:



WHEN OFF-PREMISE:





Red Hat can help



RED HAT PORTFOLIO



RED HAT CONSULTING



Hybrid cloud infrastructure



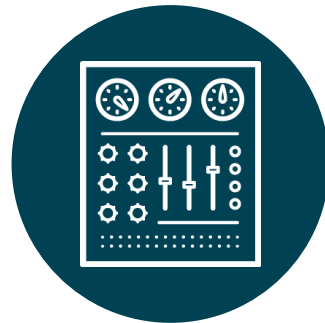
Cloud migration



Containers on cloud



NFV adoption




Virtualization management




Cloud storage


Thank you

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