



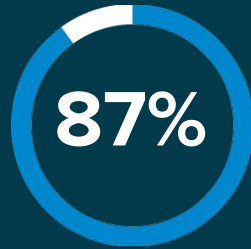
DIGITAL TRANSFORMATION WITH OPEN SOURCE TECHNOLOGY

Luke, Sejoon Park
AppDev Business Development Senior Manager
Red Hat Korea

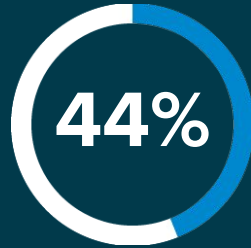
WHY CHANGE?

I.T. LEADERS SAY CHANGE IS COMING

IS YOUR ORGANIZATION ALSO SEEING DIGITAL DISRUPTION?



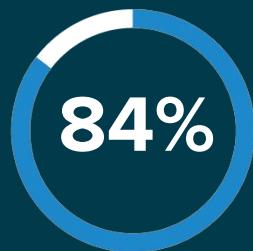
anticipate that their industries will be disrupted by digital trends to a great or moderate extent.



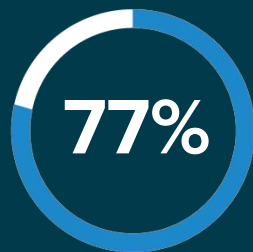
say their organizations are adequately preparing for the disruptions to come.

A NEW COMPETITIVE ENVIRONMENT

BIGGER EXPECTATIONS FROM CUSTOMERS, USERS, AND THE BUSINESS



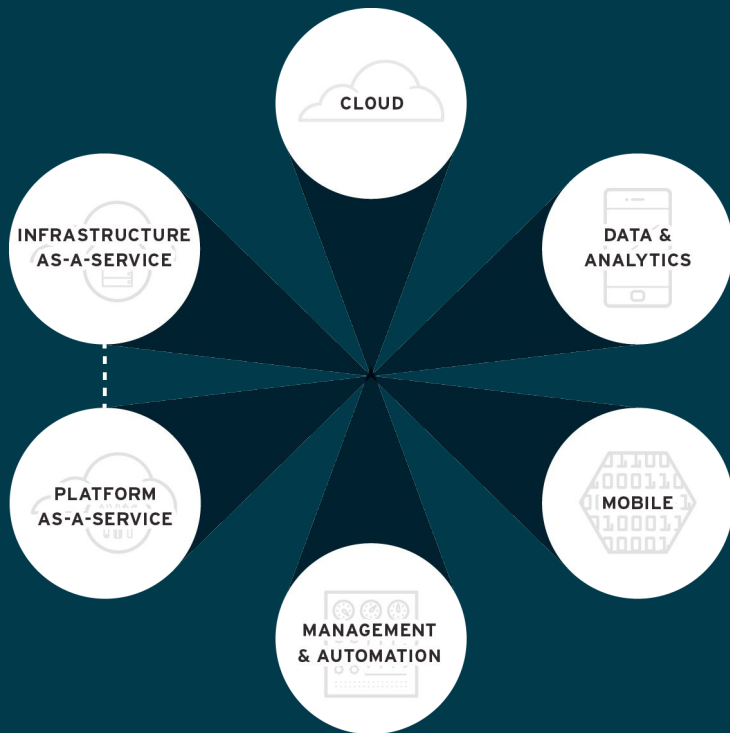
feel they are expected to address wider stakeholder needs.



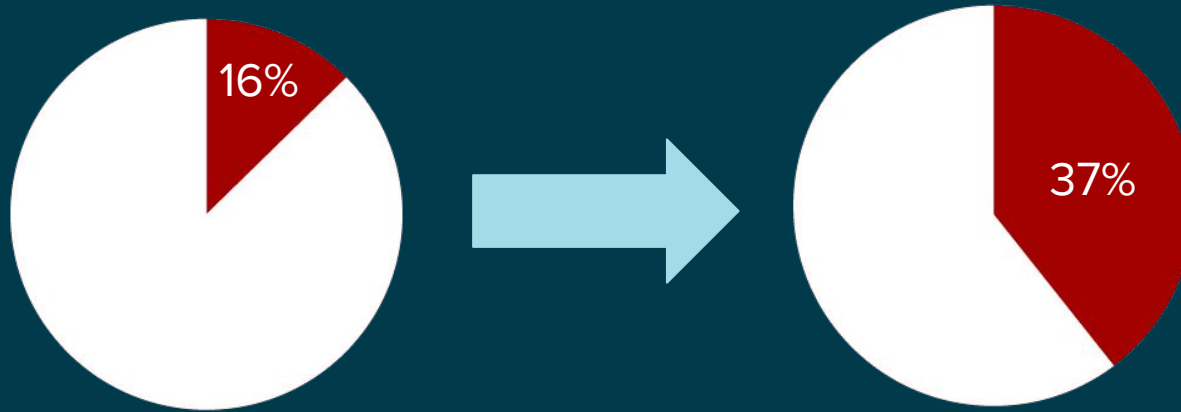
say that technology is one of the top 3 influencers transforming stakeholder expectations for the business

TECHNOLOGY IS MAKING A DIFFERENCE

BUSINESS TRENDS ARE MAKING I.T. MORE RELEVANT THAN EVER



TECHNOLOGY IS DELIVERING DIGITAL REVENUE



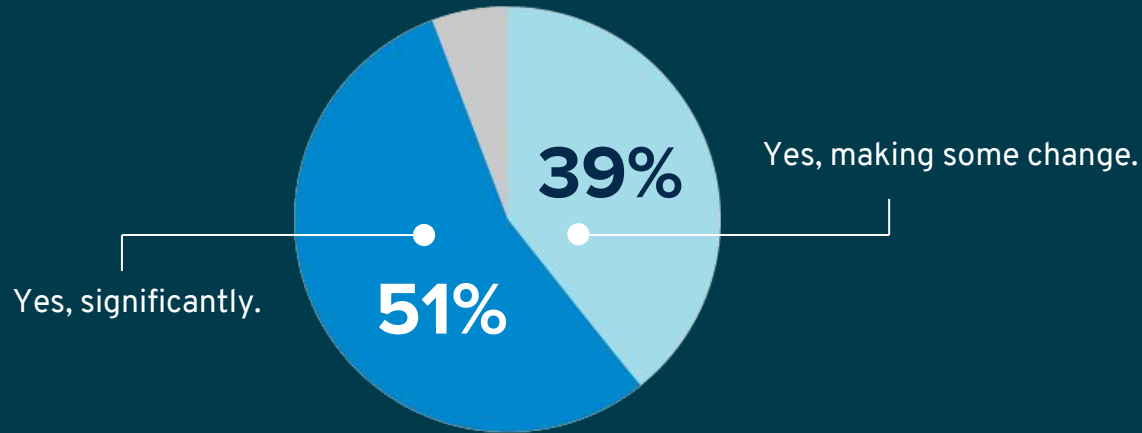
In the private sector, CIOs expect digital revenue to grow from 16% to 37% in the next 5 years.

Source: CIO Survey (n=609), 2,944 CIOs in 84 countries. Graphic created by Red Hat based on Gartner research.
Building the Digital Platform: The 2016 CIO Agenda, Published: 02 October 2015. http://www.gartner.com/imagesrv/cio/pdf/cio_agenda_insights_2016.pdf

90% OF CEOS ARE CHANGING HOW THEY USE TECHNOLOGY

QUESTION

Are you changing how you use technology to assess and deliver on wider stakeholder expectations?



Source: Survey of 1,409 CEOs in 83 countries by PricewaterhouseCooper, [19th Annual Global CEO Survey](http://www.pwc.com/gx/en/ceo-survey/2016/landing-page/pwc-19th-annual-global-ceo-survey.pdf), January 2016.
<http://www.pwc.com/gx/en/ceo-survey/2016/landing-page/pwc-19th-annual-global-ceo-survey.pdf>

BEYOND TECHNOLOGY

INVOLVES TRANSFORMING I.T. AND BUSINESS



NEXT-GENERATION ARCHITECTURE

New ways of developing,
delivering, and integrating
applications



CLOUD-NATIVE PLATFORMS

Modernize existing and
build new cloud-based
infrastructure



DEVOPS & CULTURAL CHANGES

More agile process
across both IT and
the business

WHY NOW?

ARE YOU A DIGITAL BUSINESS TODAY?

IF YOU'RE NOT THERE YET, YOU'RE NOT ALONE



of the surveyed IT professionals are in no doubt that they have a role to play in their organization's digital transformation. However...



added that their IT organization is unprepared for the digital business of the next 2 years.

Source: Survey of 948 clients across 30 countries. Gartner Newsroom, [Gartner Survey Finds That Two-Fifths of IT Professionals Consider Their IT Organisation Ready for Digital Business](http://www.gartner.com/newsroom/id/3375817), July 2016.
<http://www.gartner.com/newsroom/id/3375817>

BALANCING INNOVATION AND OPTIMIZATION

YOUR PEERS SAY THESE ARE THEIR TOP PRIORITIES AND CHALLENGES



Optimize the IT
you have



Integrate apps, data,
and processes



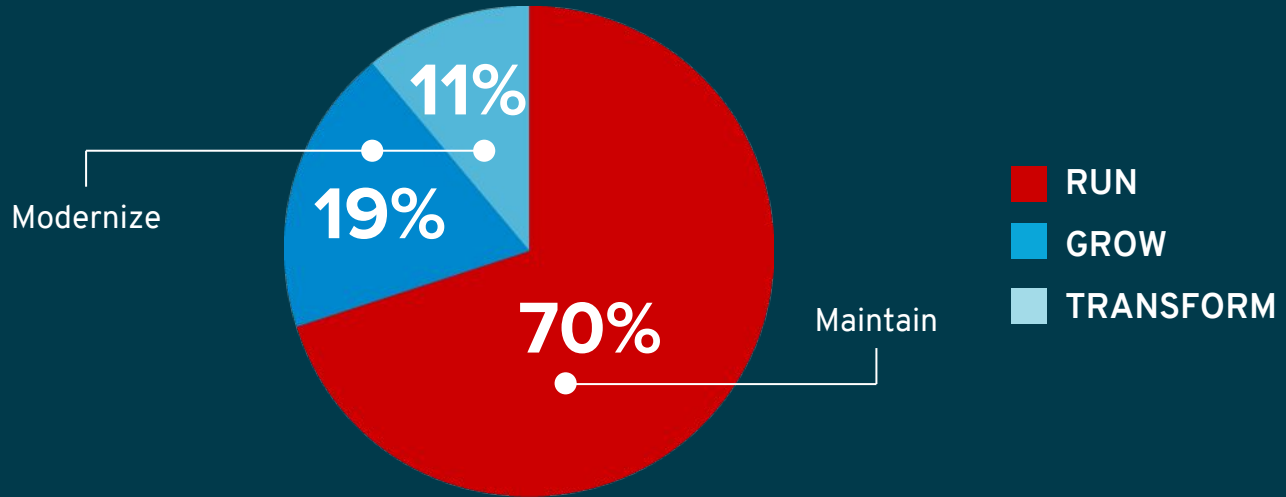
Add and manage cloud
infrastructure



Build more modern
applications

MAINTAIN AND MODERNIZE

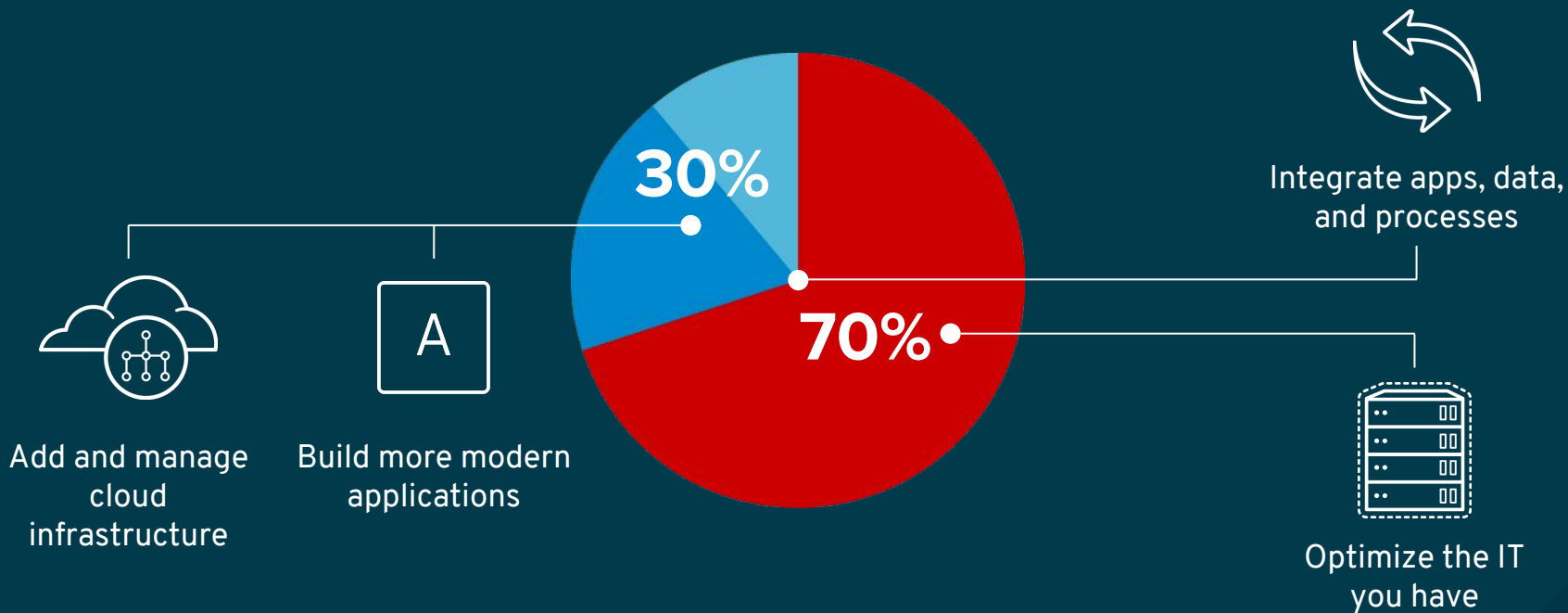
I.T. SPENDING TO RUN, GROW, AND TRANSFORM THE BUSINESS, CROSS-INDUSTRY



Source: Graph created by Red Hat based on Gartner research. Potter, Kurt, Sanil Solanki, and Ken McGee, *Run, Grow and Transform the Business IT Spending: Approaches to Categorization and Interpretation*. Gartner G00308477, 27 June 2016

INNOVATION VS. OPTIMIZATION

THIS IS THE REALITY FOR MOST ORGANIZATIONS



Source: Graph created by Red Hat based on Gartner research. Potter, Kurt, Sanil Solanki, and Ken McGee, *Run, Grow and Transform the Business IT Spending: Approaches to Categorization and Interpretation*. Gartner G00308477, 27 June 2016

THE CIO DILEMMA

Business Expectations become IT Challenges



Resources



Time



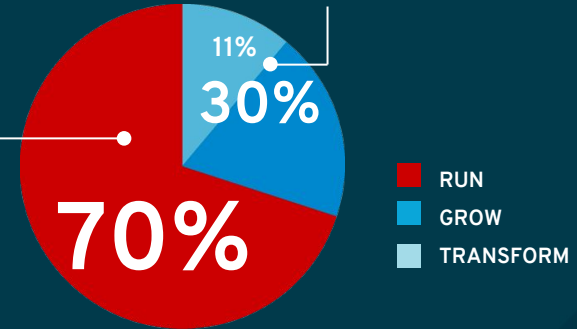
Budgets



Maintain current portfolio



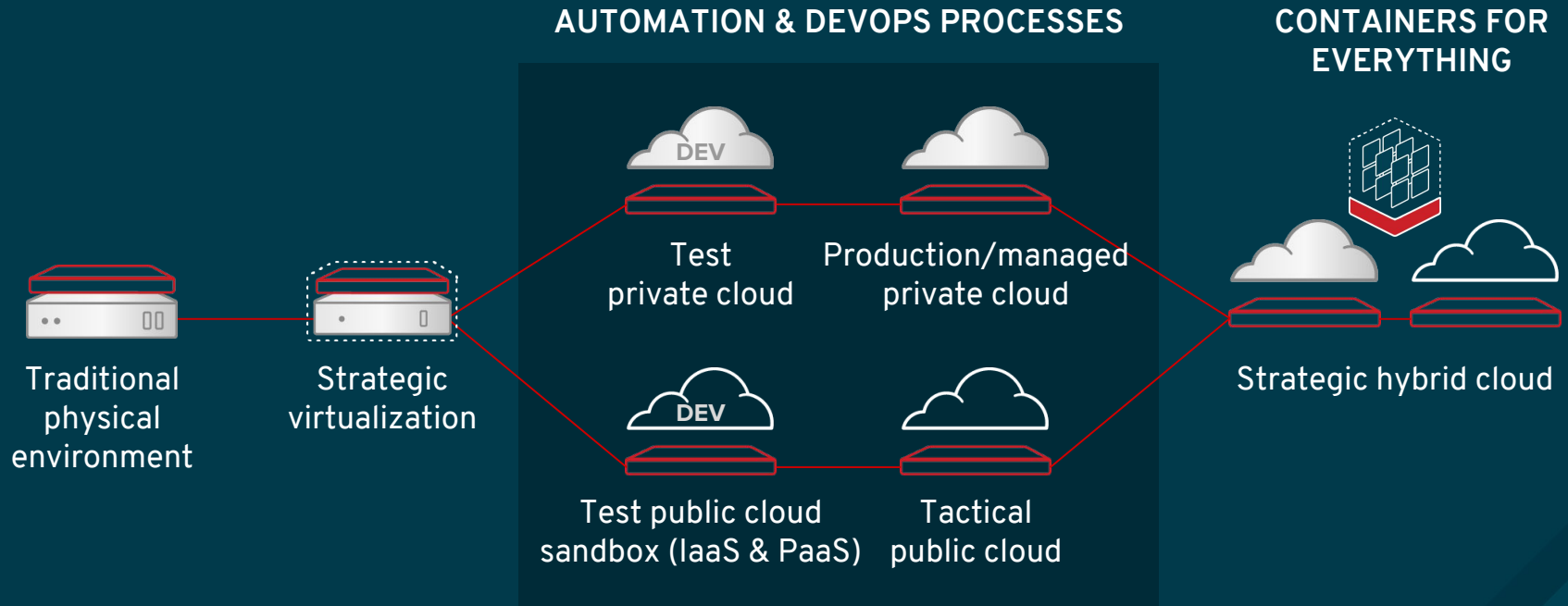
Innovation, Differentiation, Growth



Source: Graph created by Red Hat based on Gartner research. Potter, Kurt, Sanil Solanki, and Ken McGee, *Run, Grow and Transform the Business IT Spending: Approaches to Categorization and Interpretation*. Gartner G00308477, 27 June 2016

IT'S A DIFFERENT JOURNEY FOR EVERYONE

BUT HERE'S WHAT IT LOOKS LIKE FOR ONE FINANCIAL SERVICES CUSTOMER



BALANCING INNOVATION AND OPTIMIZATION

HERE'S WHAT YOUR PEERS SAY ARE THEIR TOP PRIORITIES AND CHALLENGES



Optimize the IT
you have



**GAIN
EFFICIENCY**



Integrate apps, data,
and processes



**IMPROVE
PRODUCTIVITY**



Add and manage cloud
infrastructure



**INCREASE
AGILITY**



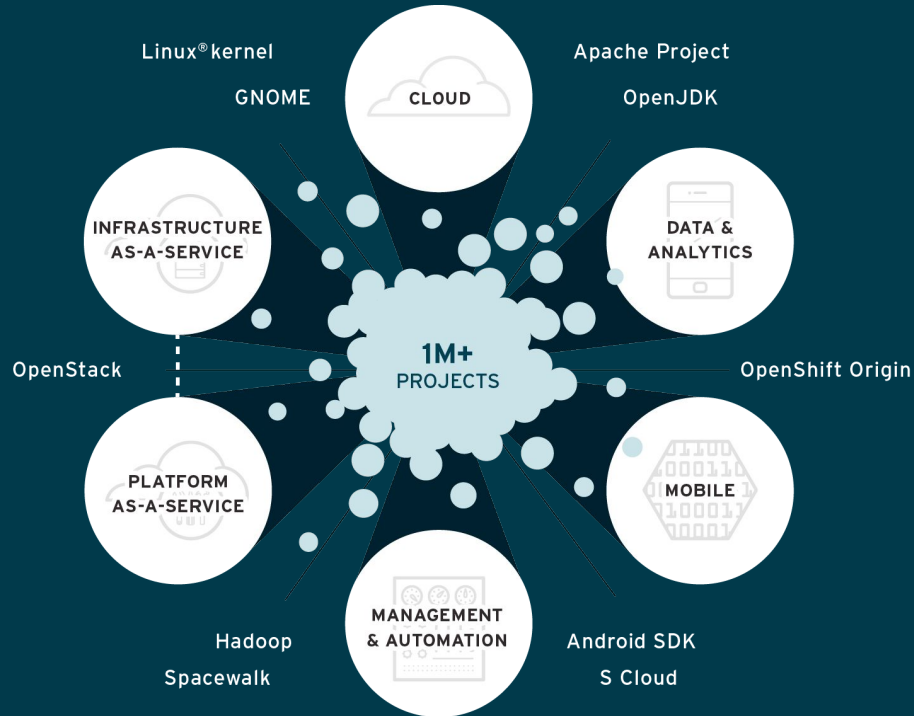
Build more modern
applications



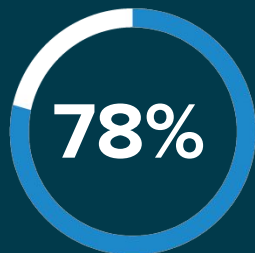
**MOVE
FASTER**

WHY OPEN SOURCE?

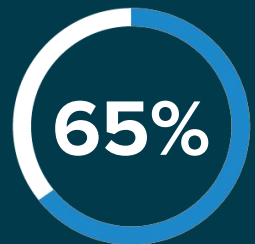
OPEN SOURCE DEVELOPMENT DRIVES RAPID INNOVATION



OPEN SOURCE ADOPTION



of enterprises run open source.^[1]

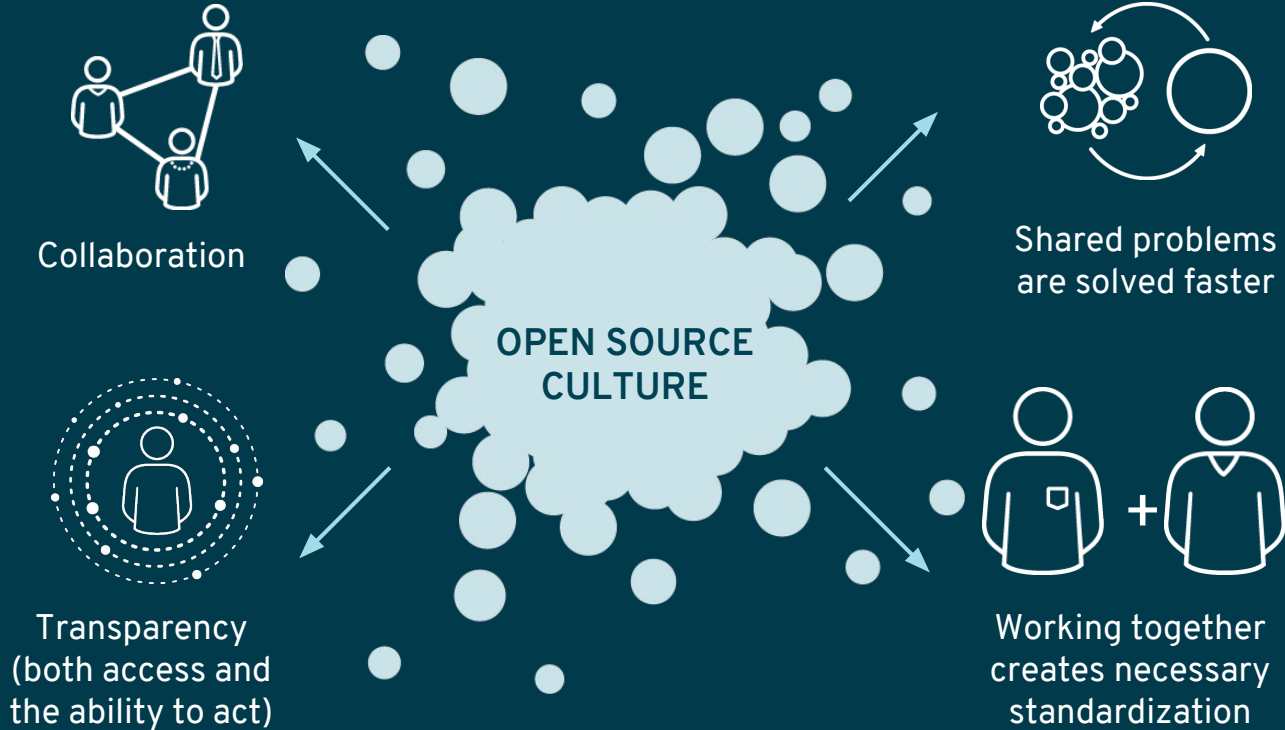


of companies are contributing to open software.^[2]

[1] Black Duck Software, [9th Annual Future of Open Source survey](http://www.blackducksoftware.com/2015-future-of-open-source), 2015. www.blackducksoftware.com/2015-future-of-open-source

[2] Black Duck Software, [10th Annual Future of Open Source survey](http://www.blackducksoftware.com/2016-future-of-open-source), 2016. www.blackducksoftware.com/2016-future-of-open-source

IT'S NOT JUST CODE, IT'S CULTURE



OPEN SOURCE ADOPTION

"Open-source software (OSS) industry saturation is complete: Today, 95% of mainstream IT organizations leverage nontrivial open-source software assets within their mission-critical IT portfolios – whether they know it or not."

Gartner, Hype Cycle for Open Source Software 2016

WHY RED HAT?

FROM COMMUNITY TO ENTERPRISE



RH0064-3

IT'S ABOUT MORE THAN OPEN SOURCE



RED HAT'S VISION: OPEN HYBRID CLOUD

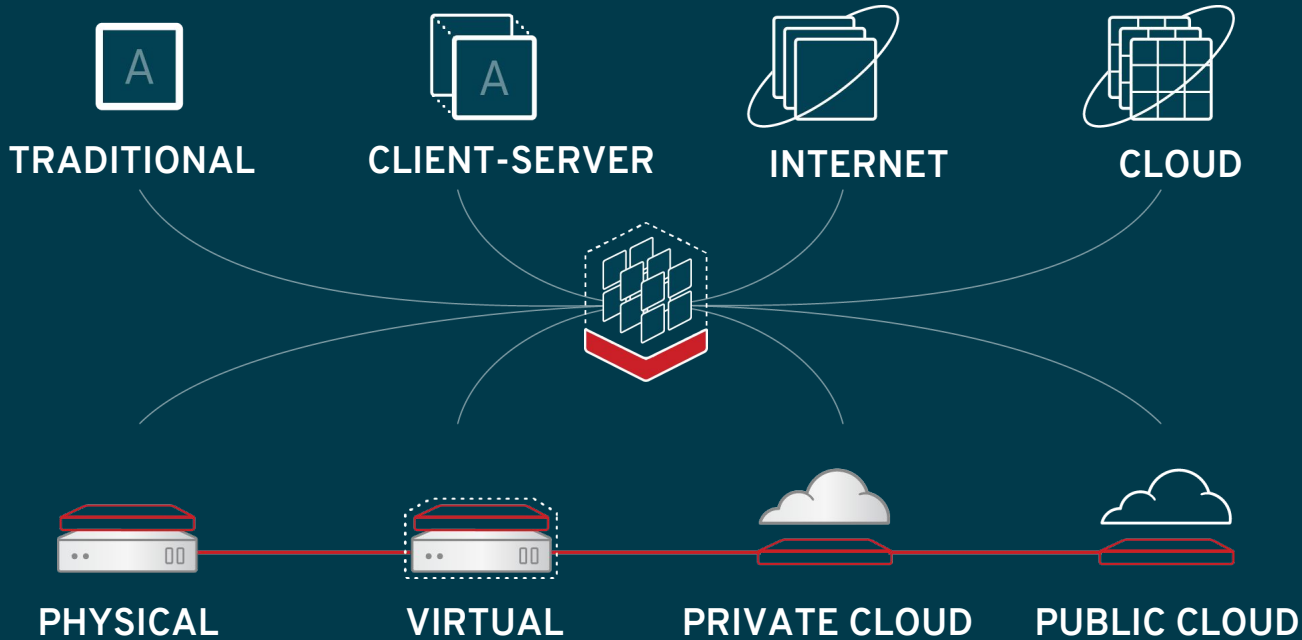
EFFICIENT, STABLE TECHNOLOGY FOUNDATION ACROSS ALL 4 FOOTPRINTS

RED HAT®
ENTERPRISE LINUX®



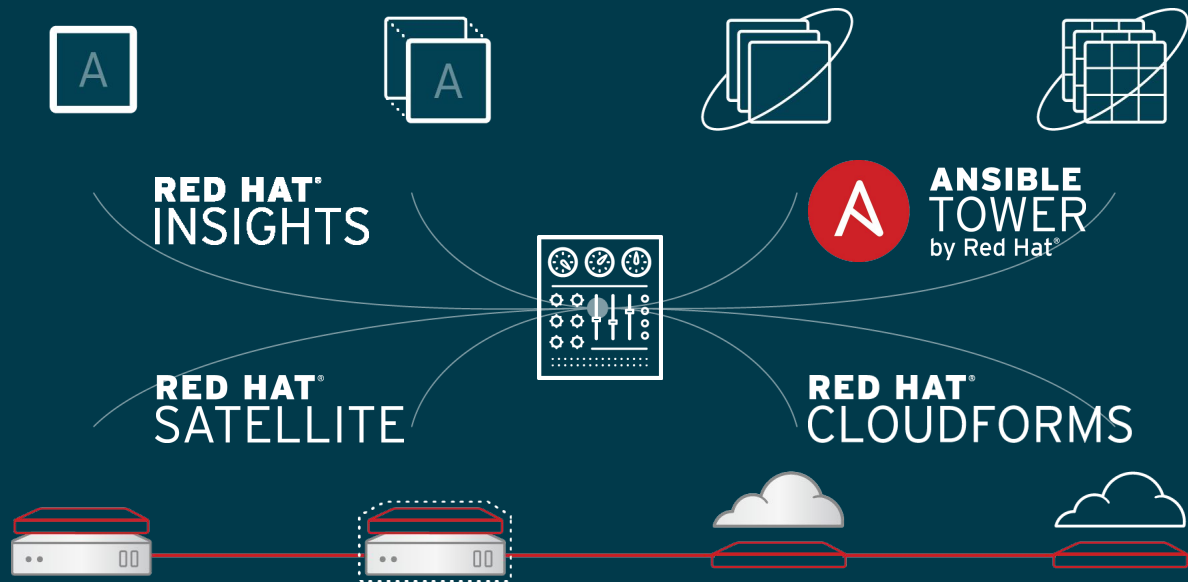
RED HAT'S VISION: OPEN HYBRID CLOUD

ALL KINDS OF APPS AND ENVIRONMENTS, INCLUDING CONTAINERS

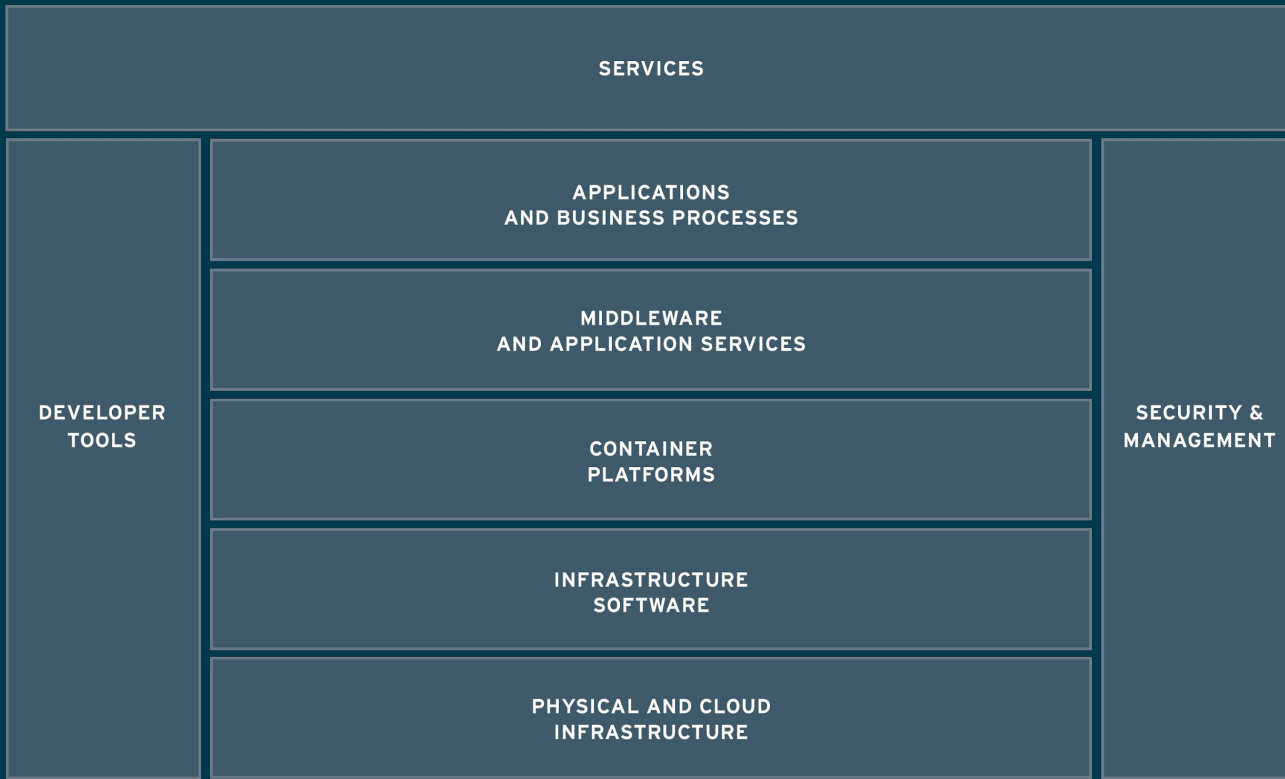


RED HAT'S VISION: OPEN HYBRID CLOUD

COMMON MANAGEMENT, INTEGRATION, AND AUTOMATION TO KEEP IT ALL GOING

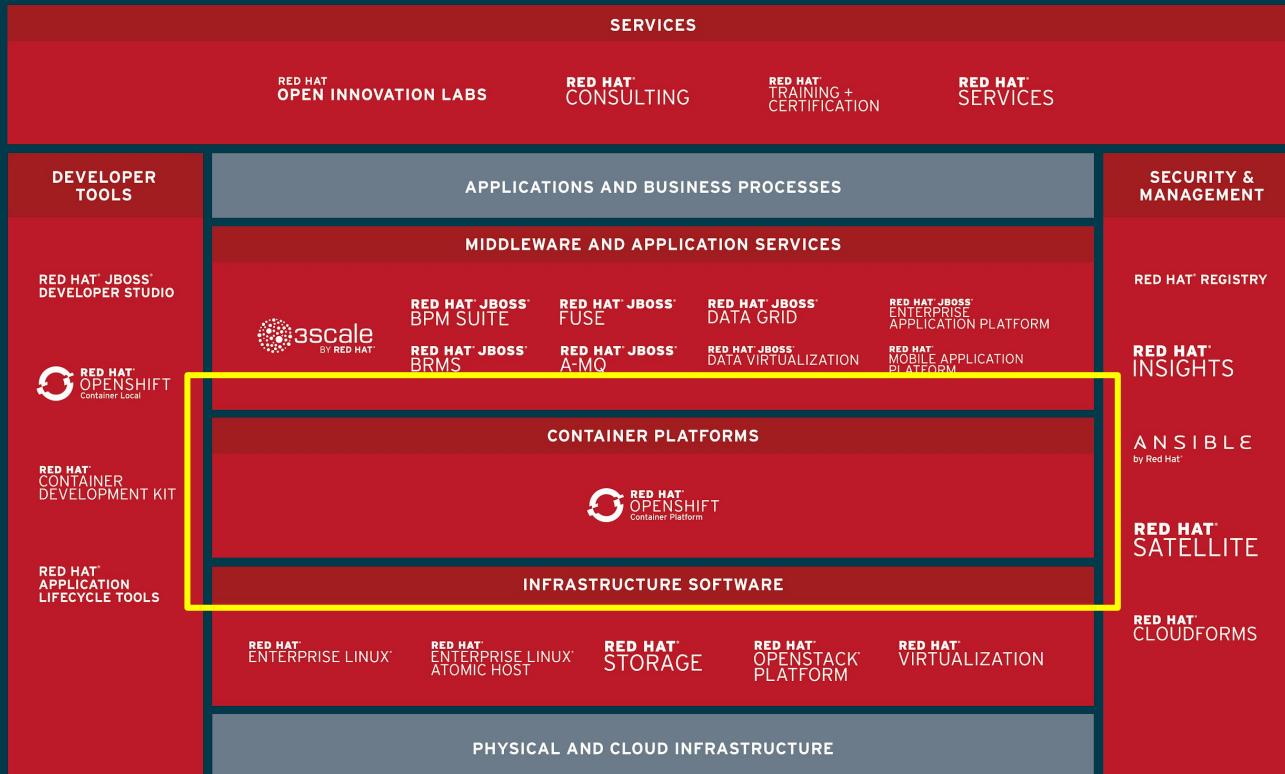


A COMPLETE TECHNOLOGY STACK



RH0075-02

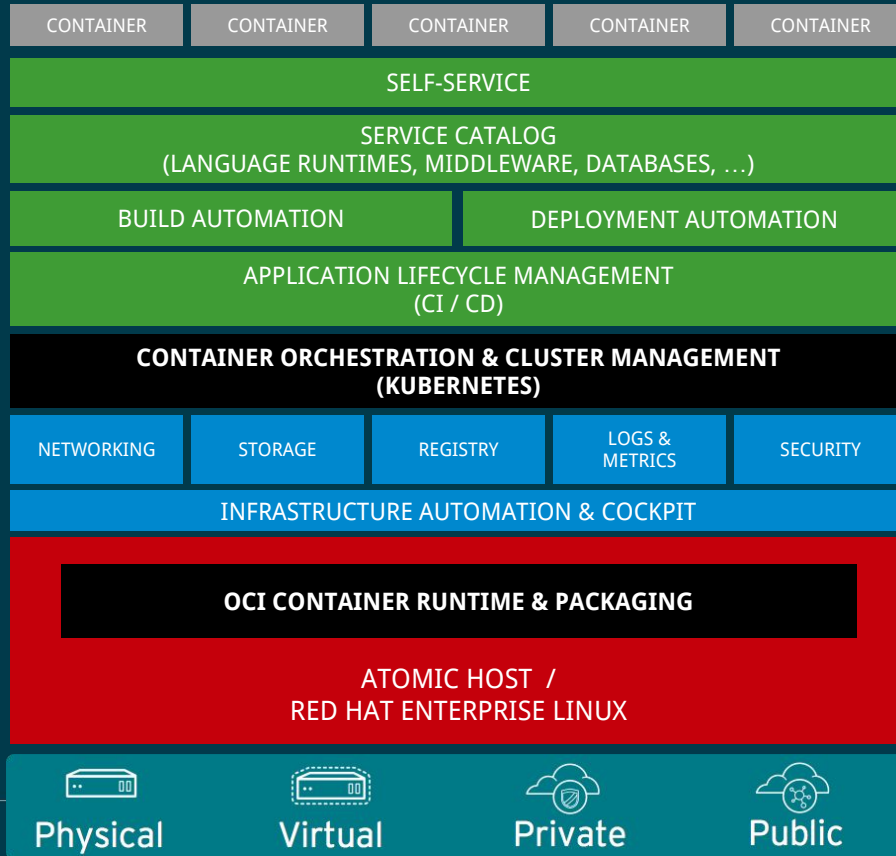
IT'S ALL HERE



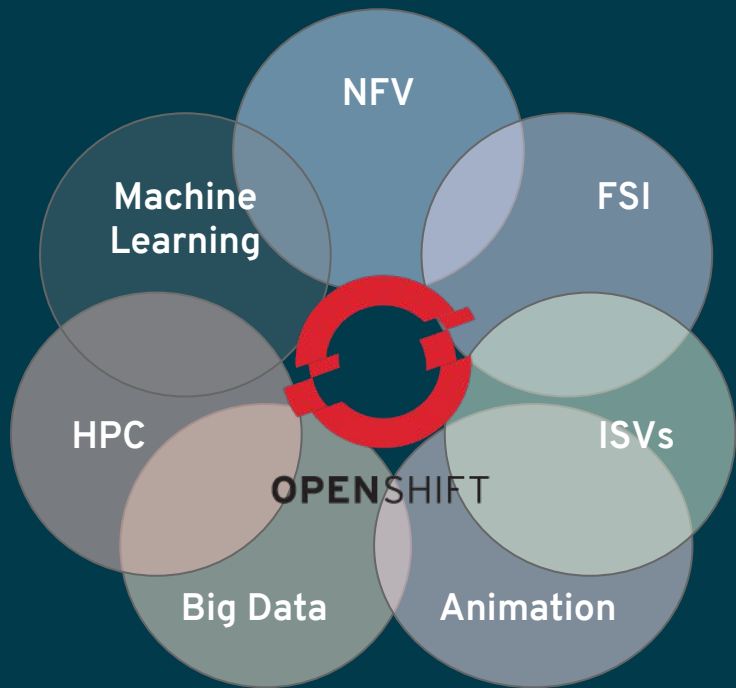
RH0075-02

OPENS SHIFT = ENTERPRISE KUBERNETES+

Build, Deploy and Manage Containerized Apps

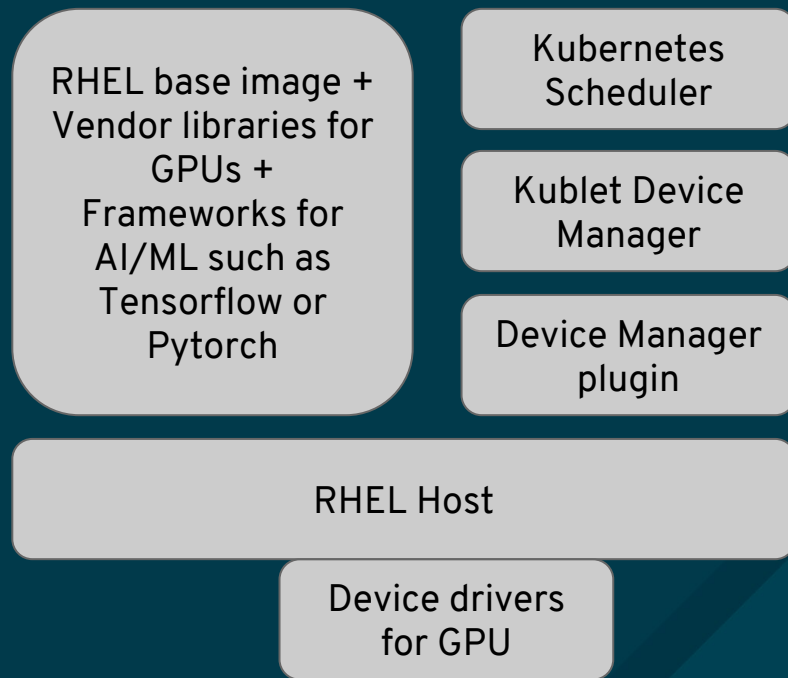


Performance Sensitive Applications (P-SAP)

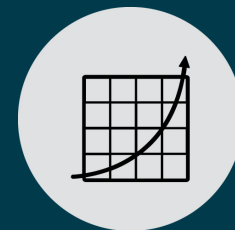


GPU support in OpenShift

- Joint collaboration with strategic partners for drivers, plugins and container images
- Device Manager GA
- Scheduler: Priority and preemption
- Seamless install experience of drivers, plugins and dependencies
- Container images in RHCC/ISV Registry
- Certifications and support

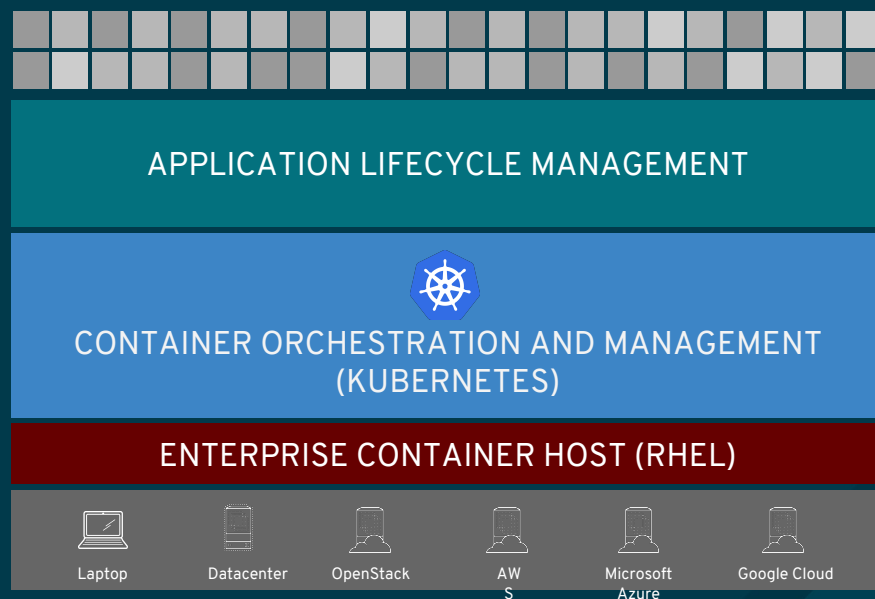


AI AS A WORKLOAD



Enabling Analytics and Machine Learning workloads on Red Hat platforms.

- Requires enablement from the HW up: Storage, IaaS, OS, Container Platform.
- Pushes limits for performance at scale.
- Kubernetes and containers are quickly becoming the default.
- AI workflows resemble other DevOps models - OpenShift.
- Business-critical decisions taken by AI depend on stability and security.
- Auditability increasingly important.
- Heterogeneous ISV landscape: benefit from common platform and Service Catalog



**HELPING YOU ON
YOUR JOURNEY**

WHERE ARE YOU TODAY?

MORE IMPORTANTLY, WHERE DO YOU WANT TO BE TOMORROW?



Optimize the IT
you have



Integrate apps, data,
and processes



Add and manage cloud
infrastructure



Build more modern
applications

Digital Transformation with Open Source Technology !!



THANK YOU



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