RED HAT
OPEN SOURCE DAY
Europe, Middle East & Africa

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FAST, FLEXIBLE FUTURE

WERNER KNOBLICH
SVP and General Manager
Red Hat EMEA

#redhatosd

THE CHANGING ROLE OF I.T. IN THE ENTERPRISE

“IT doesn’t matter.”

Nicolas G. Carr
Harvard Business Review, May 2003

THE CHANGING ROLE OF I.T. IN THE ENTERPRISE

"IT doesn't matter."

Nicolas G. Carr
Harvard Business Review, May 2003

"Every organization - whether services, manufacturing or healthcare – is becoming a technology company."

Joe McKendrick
Forbes.com, April, 2015

DIGITAL TRANSFORMATION IS A CEO PRIORITY

‘We’re also taking advantage of the immense business opportunities offered by digitalization’

Joe Kaeser,
CEO Siemens

‘The possibilities of the digital revolution must be put to good use’

Tom Enders,
CEO Airbus

‘We will lead the digital revolution sweeping through the world’

Jes Stanley,
CEO Barclays

‘We felt we have to go digital in a much more proactive way’

Paul Bulcke,
CEO Nestle

Phil Carter – IDC, January 2016

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DIGITAL TRANSFORMATION

Changing enterprises and entire industries in fundamental ways

New ways of developing, delivering, and integrating applications

Modernize existing and build new cloud-based infrastructure

More agile process across both IT and the business

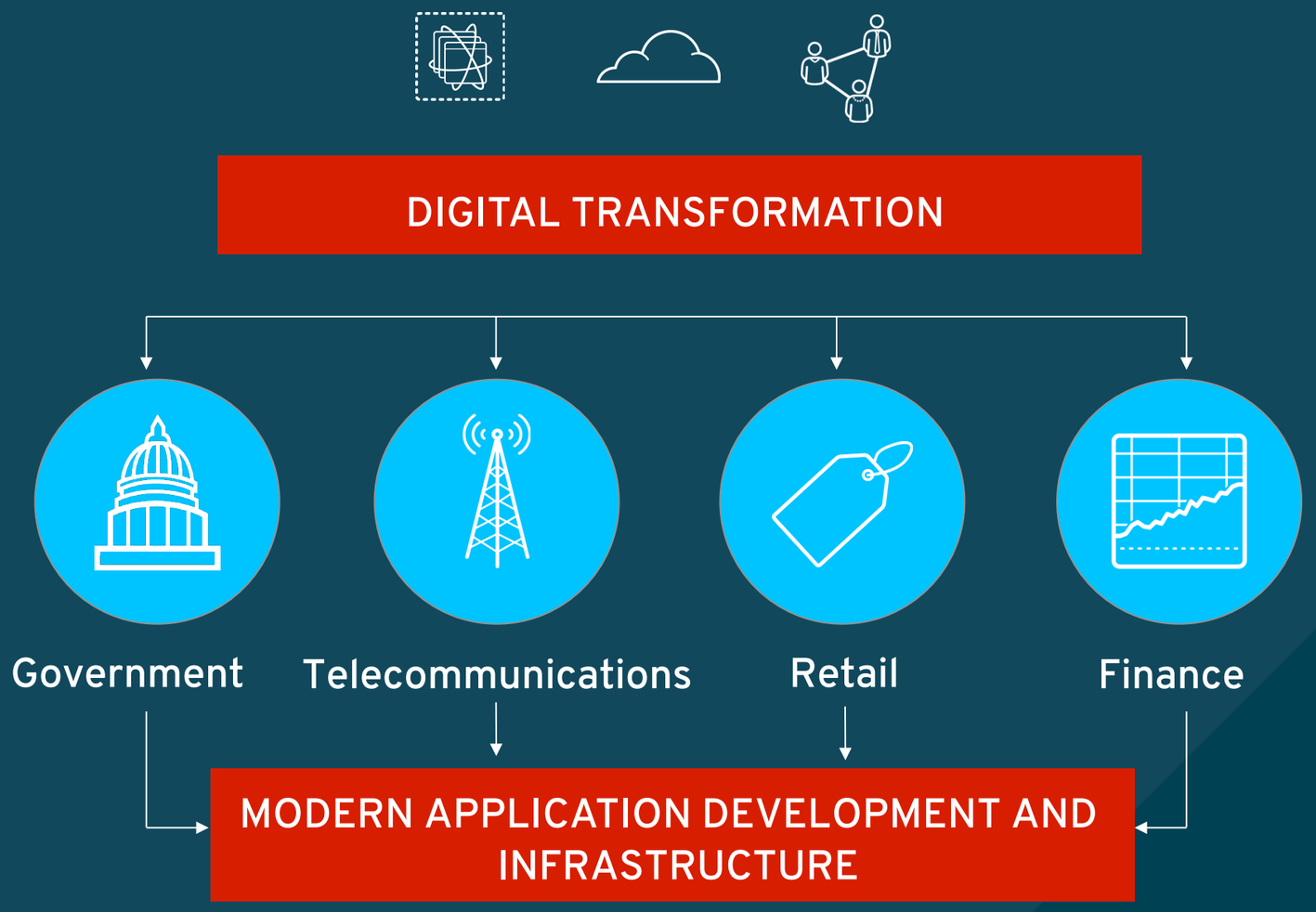
By 2018, 67% of Global 2000 CEO's will have Digital Transformation at the center of their corporate strategy – IDC, 2016

DIFFERENT DRIVERS, SAME JOURNEY

Economic drivers

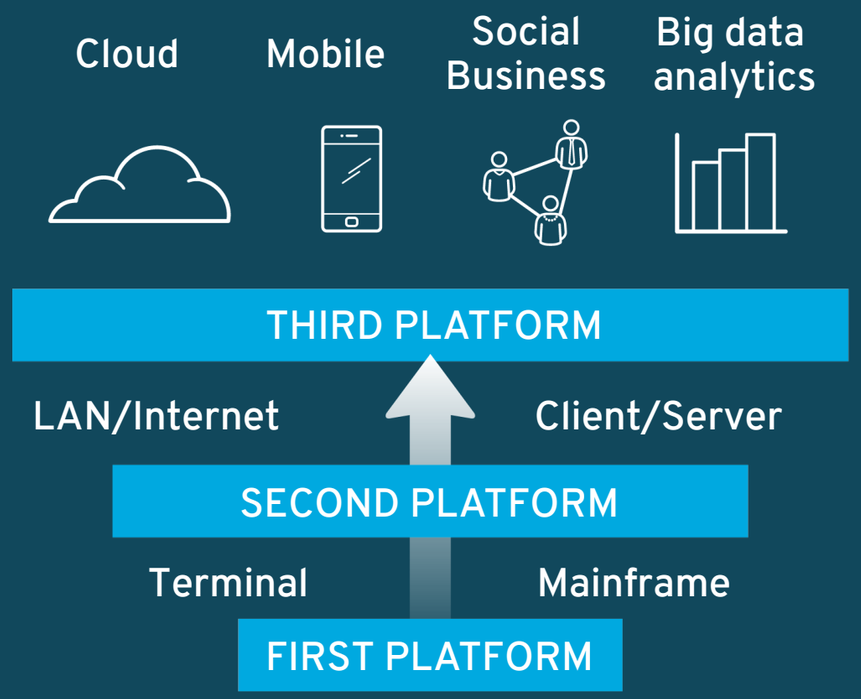
Specific industry needs

What organizations require to transform

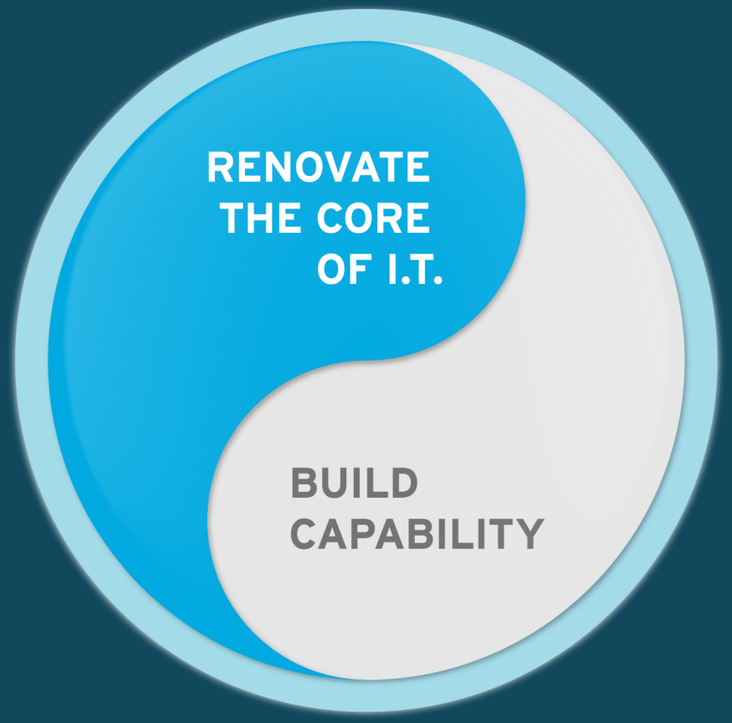


THE JOURNEY FROM TRADITIONAL TO CLOUD-NATIVE I.T.

THIRD PLATFORM OF I.T. INNOVATION & GROWTH



IDC
Analyze the Future



Gartner

REQUIREMENTS FOR THE DIGITAL ENTERPRISE

STREAMLINED AND AUTOMATED

PROVISIONING, CONFIGURATION MANAGEMENT

ELASTIC AND SCALABLE

HYBRID CLOUD AND CLOUD BURSTING

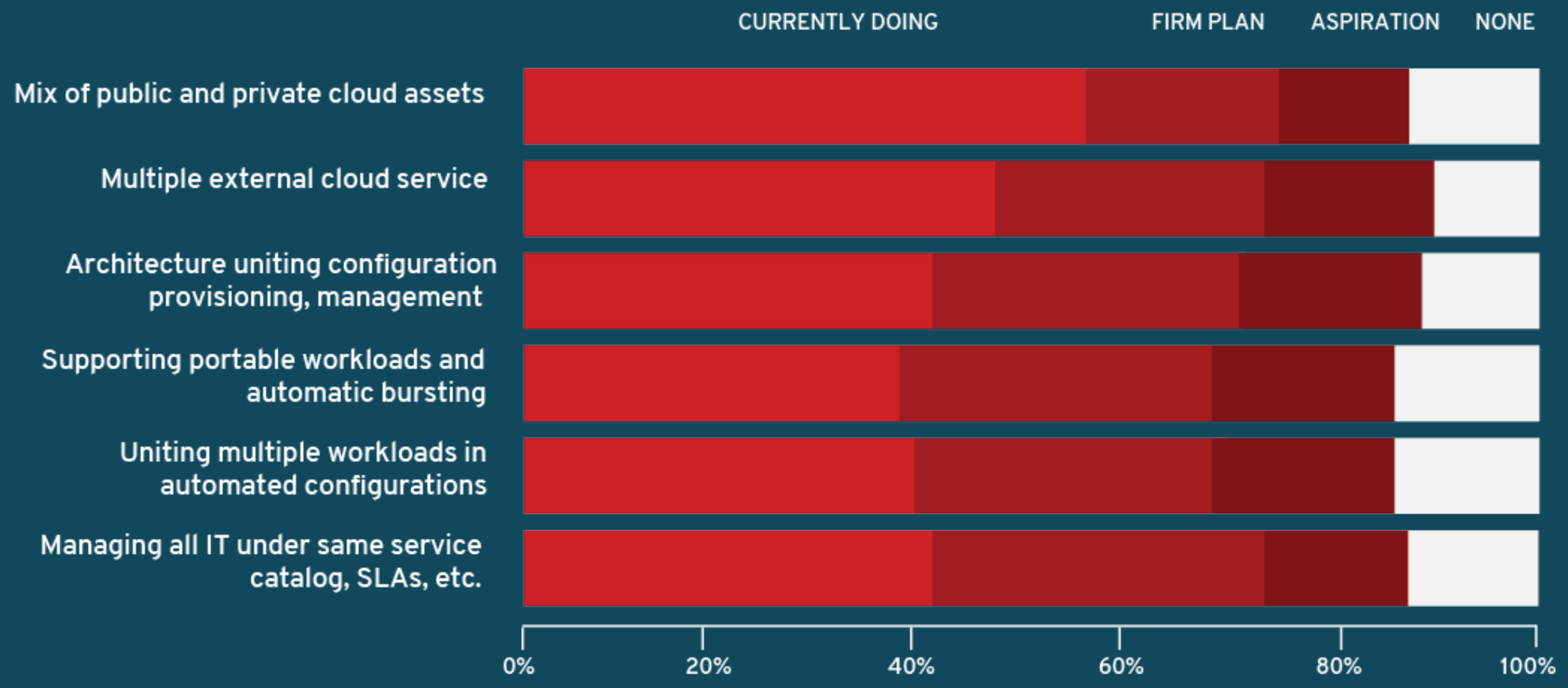
AGILE AND RESPONSIVE

RAPID APPLICATION DEPLOYMENT

UTILITY-LIKE

MANAGED, POLICY DRIVEN, AND ALWAYS ON

HYBRID CLOUD IS A REALITY



Source:
IDC Multiclient Survey of 6,159 respondents from 31 countries, IDC CloudView 2016 Survey, Jan 2016. http://www.idc.com/getdoc.jsp?containerId=prUS41039416

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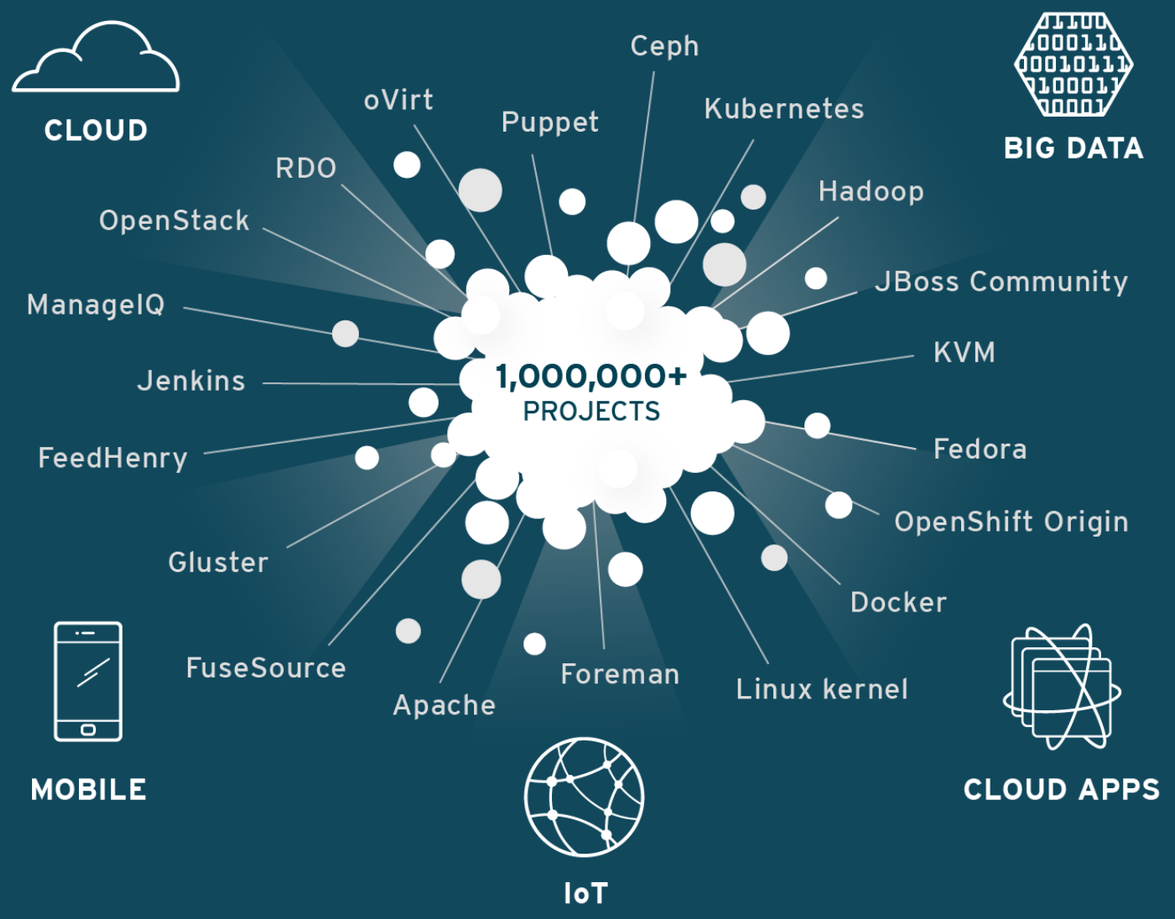
TECHNOLOGY EVOLUTION

Deliver new, agile workloads while modernizing current applications

	TRADITIONAL	EMERGING
HOW	Waterfall	Agile and DevOps
WHAT	Monolithic	Microservices and APIs
WHERE	Datacenter	Containers, cloud, and mobile

OPEN SOURCE COLLABORATIVE DEVELOPMENT

Driving today's software innovation



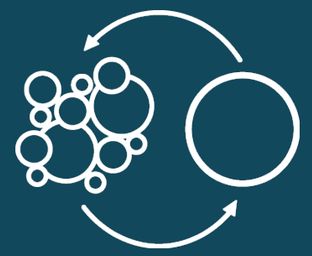
IT'S NOT JUST CODE, IT'S CULTURE

REQUIREMENTS

Collaboration

Transparency
(both access and the ability to act)

BENEFITS

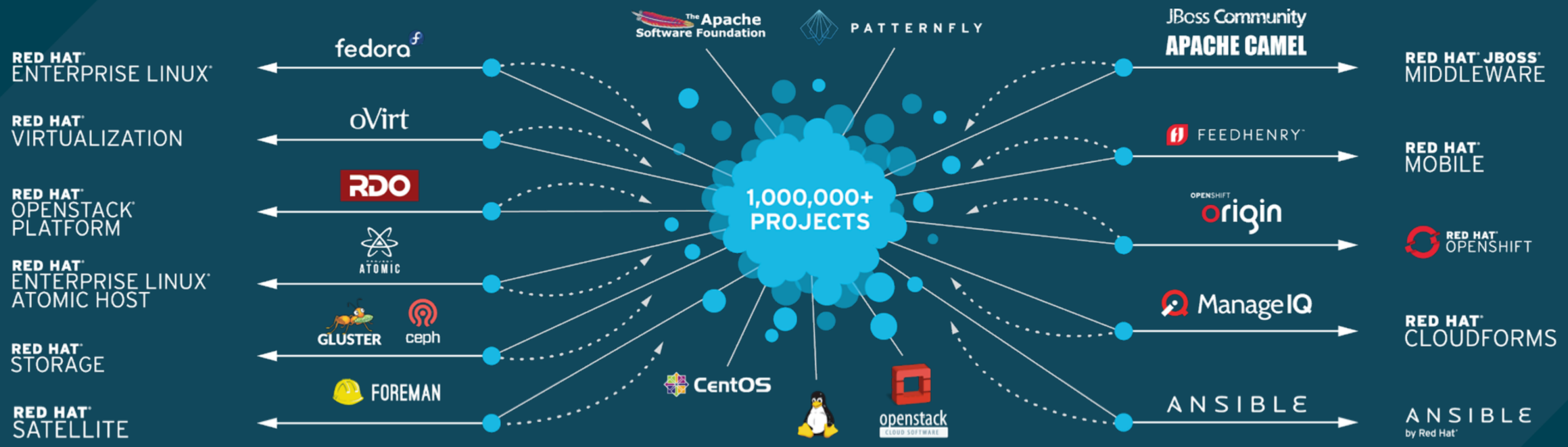


Shared problems are solved faster

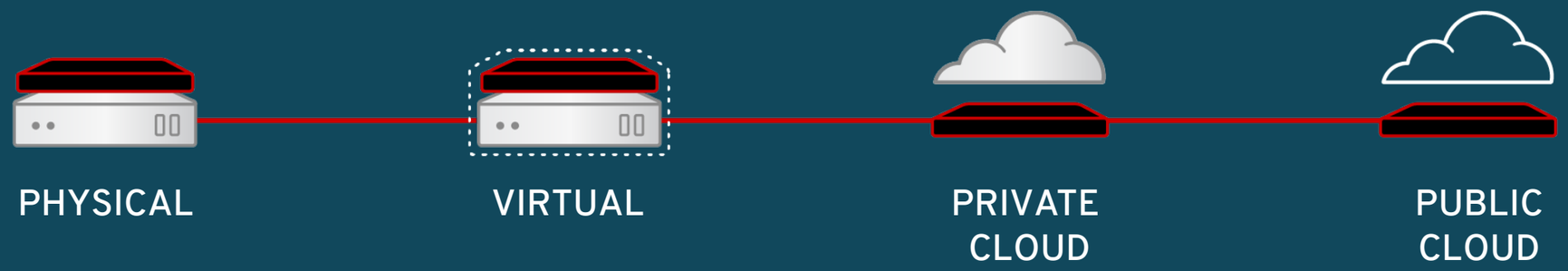
Working together creates necessary standardization

RED HAT'S UNIQUE APPROACH

Harness Open Source innovation & deliver mission-critical IT solutions



EVOLUTION OF THE TECHNOLOGY
Infrastructure



EVOLUTION OF THE TECHNOLOGY
Development

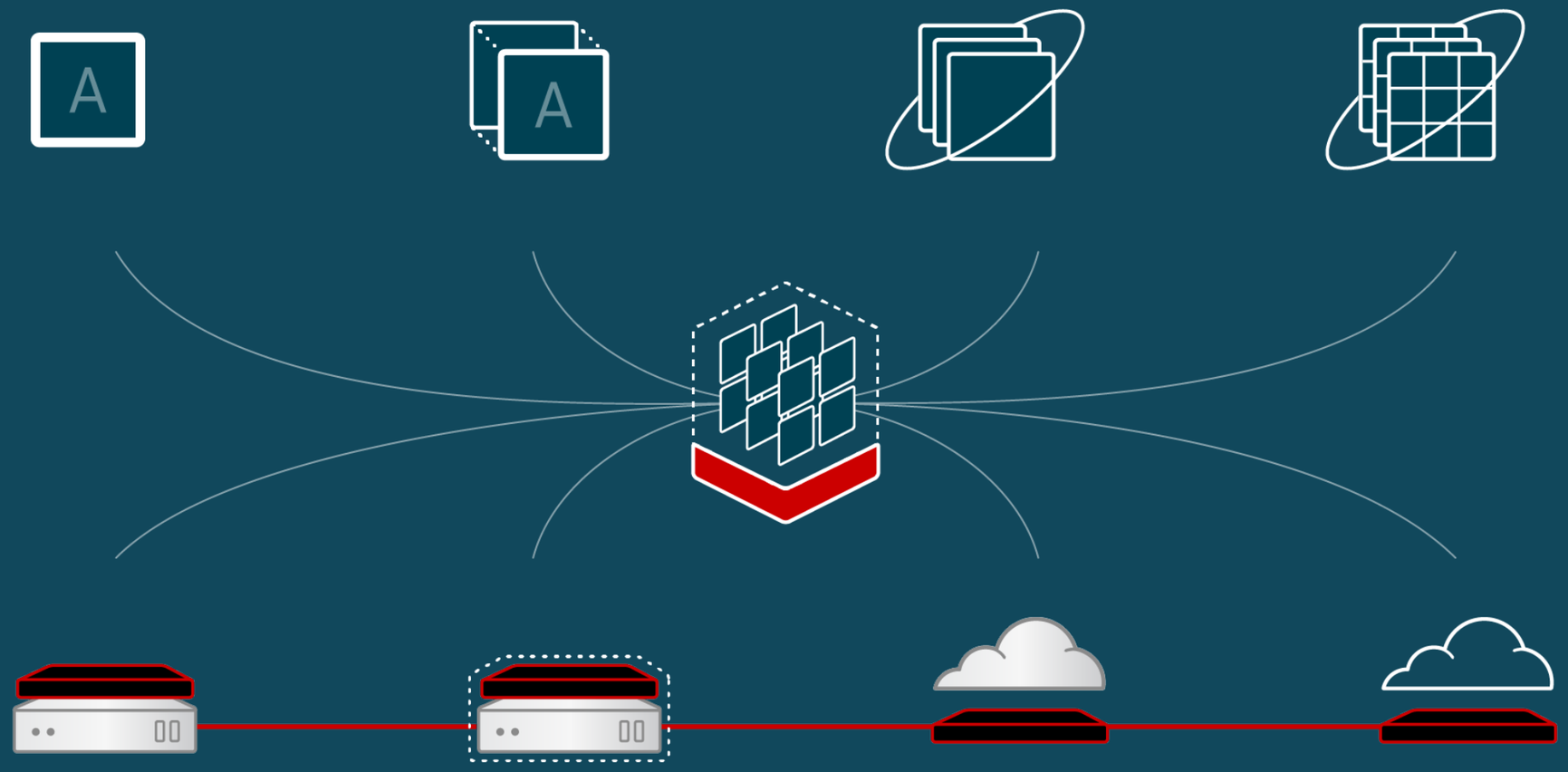
MONOLITHIC

CONNECTED

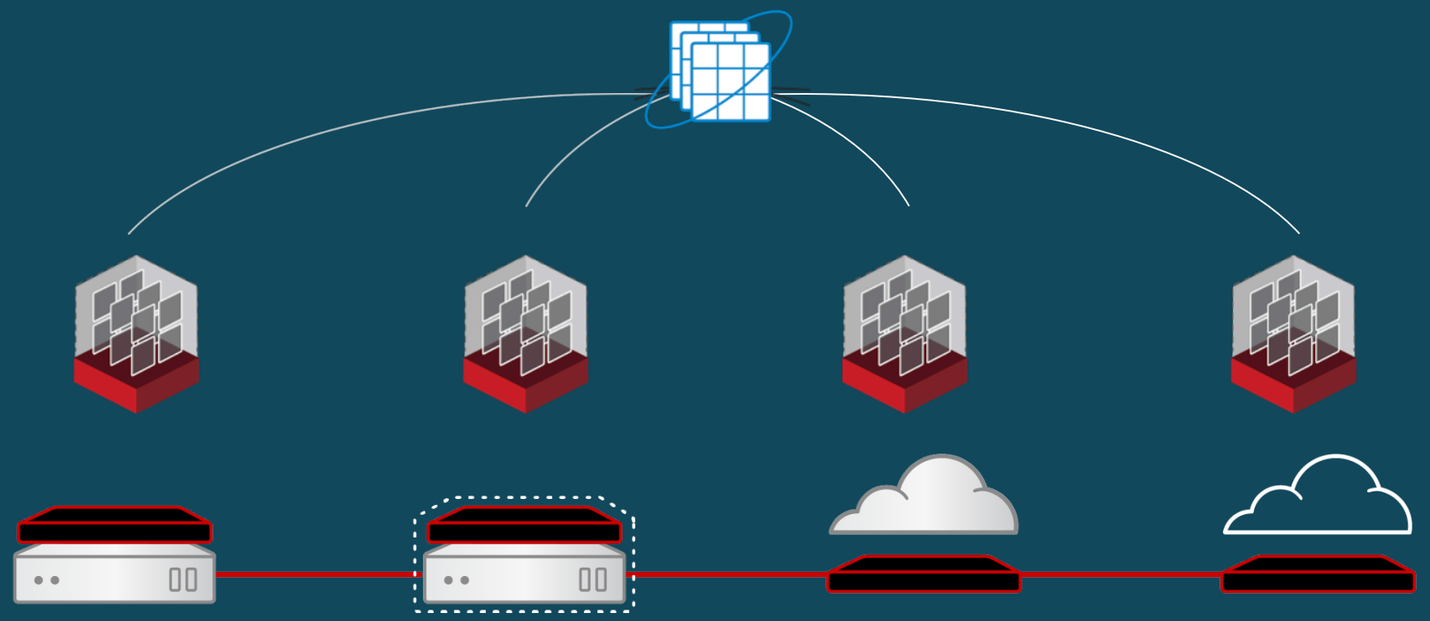
MODERN WEB

MICROSERVICES

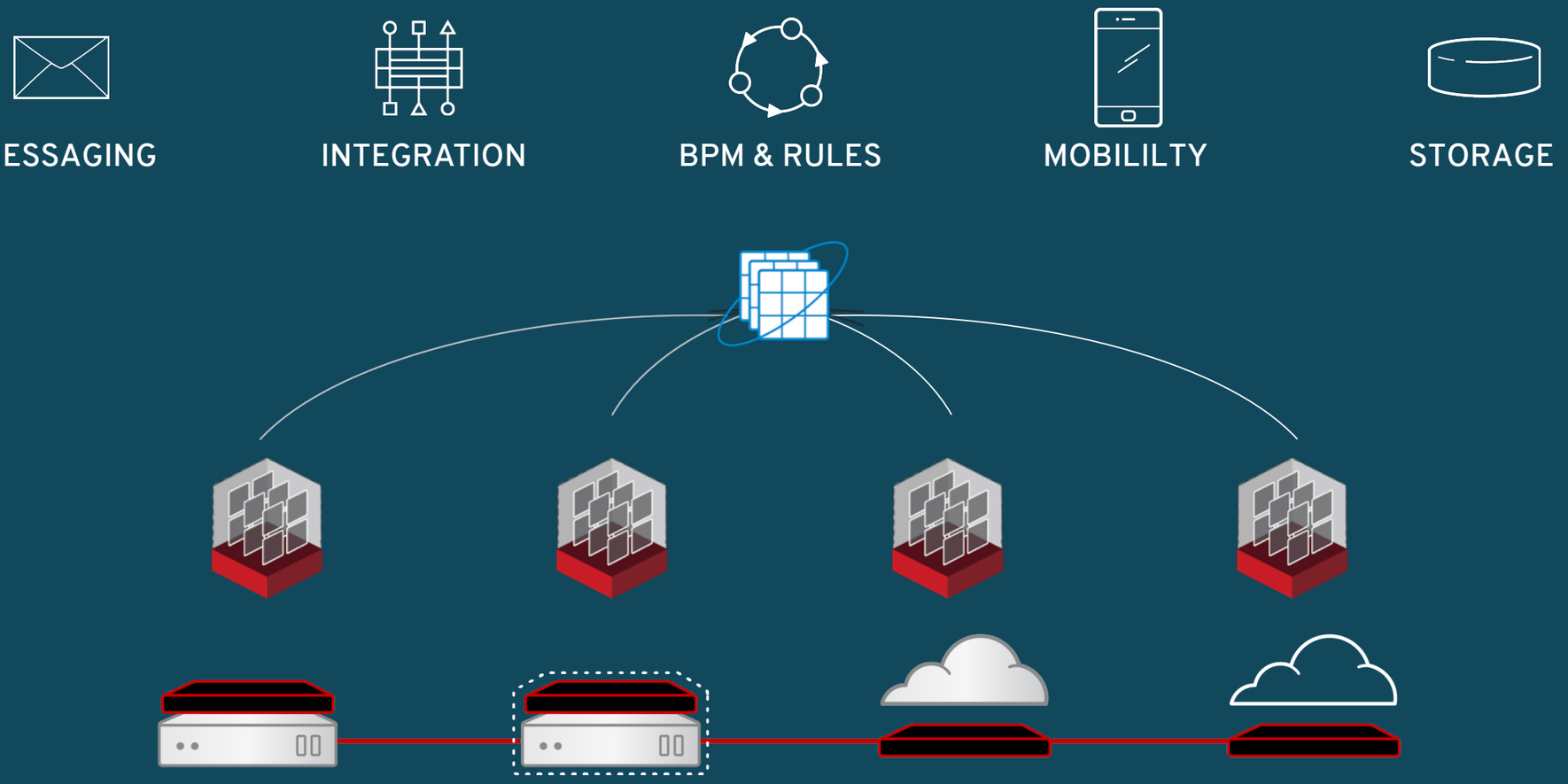
CONTAINERS CONNECT APPLICATIONS TO INFRASTRUCTURE



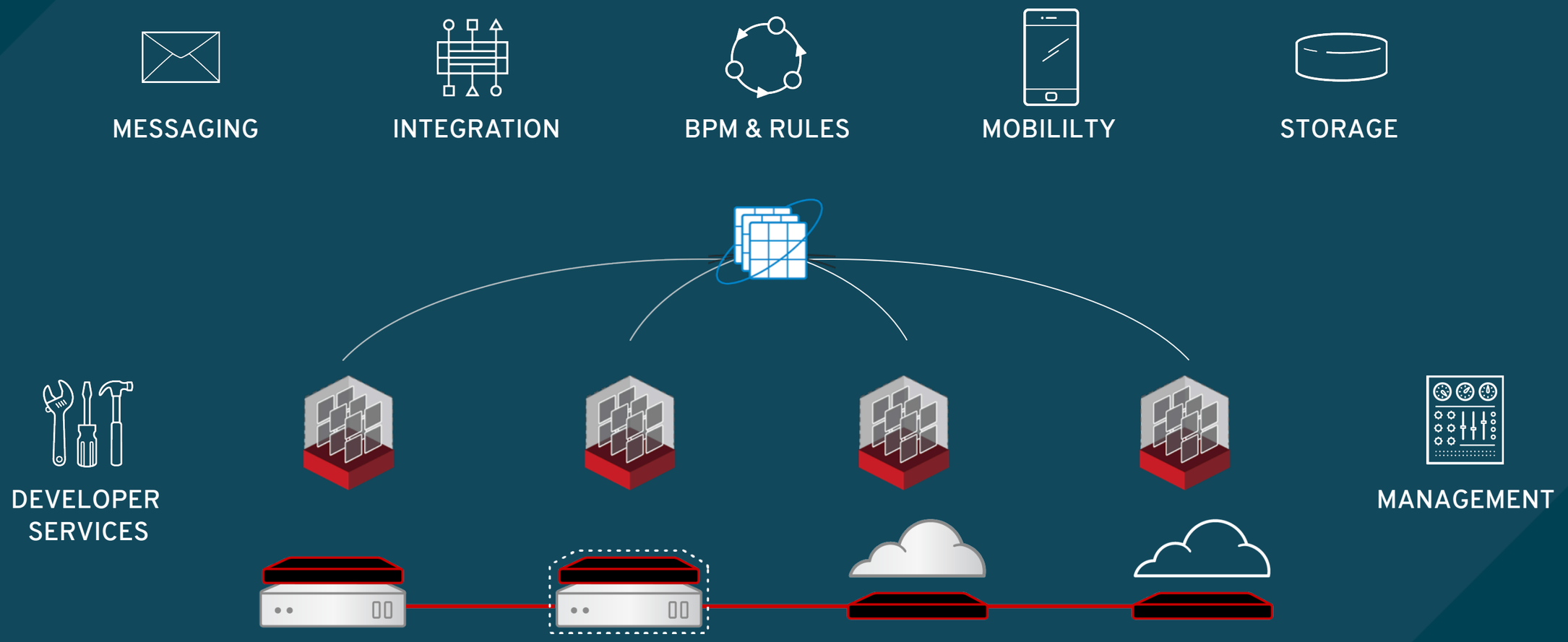
SERVICES FOR ANY APPLICATION



SERVICES FOR ANY APPLICATION
Containers + Microservices



MANAGEMENT ACROSS THE STACK
Manage complex environments – old and new



THE BUSINESS VALUE OF RED HAT OPENSHIFT

RED HAT® OPENSHIFT Container Platform

531% Average 5 year ROI

$1.29 Million average annual benefits per 100 developers per year

66% Faster application development life cycles

35% Less IT staff time required per application developed

$7.42 Million higher revenue per organization

38% Lower IT infrastructure and development platform costs per application

Larry Carvalho, Matthew Marden – IDC, October 2016

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PUTTING IT ALL TOGETHER

Integrated, Hybrid DevOps platform for the Digital Enterprise

SERVICES

- RED HAT OPEN INNOVATION LABS
- RED HAT CONSULTING
- RED HAT TRAINING + CERTIFICATION
- RED HAT SERVICES

DEVELOPER TOOLS

- RED HAT JBOSS DEVELOPER STUDIO
- RED HAT OPENSHIFT Container Local
- RED HAT CONTAINER DEVELOPMENT KIT
- RED HAT APPLICATION LIFECYCLE TOOLS

APPLICATIONS AND BUSINESS PROCESSES

MIDDLEWARE AND APPLICATION SERVICES

- 3scale
- RED HAT JBOSS BPM SUITE
- RED HAT JBOSS FUSE
- RED HAT JBOSS DATA GRID
- RED HAT JBOSS BRMS
- RED HAT JBOSS A-MQ
- RED HAT JBOSS DATA VIRTUALIZATION

APPLICATION PLATFORMS

- RED HAT OPENSHIFT Container Platform
- RED HAT JBOSS ENTERPRISE APPLICATION PLATFORM
- RED HAT MOBILE APPLICATION PLATFORM

INFRASTRUCTURE SOFTWARE

- RED HAT ENTERPRISE LINUX
- RED HAT ENTERPRISE LINUX ATOMIC HOST
- RED HAT STORAGE
- RED HAT OPENSTACK PLATFORM
- RED HAT VIRTUALIZATION

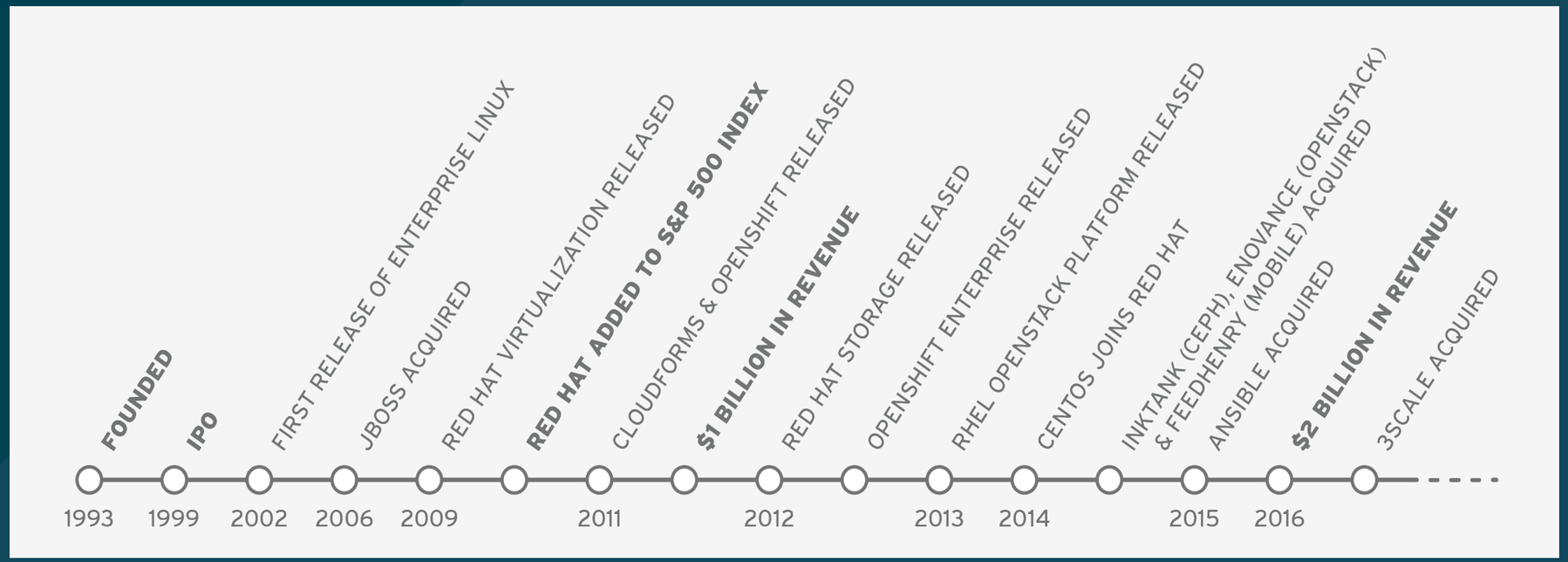
PHYSICAL AND CLOUD INFRASTRUCTURE

SECURITY & MANAGEMENT

- RED HAT REGISTRY
- RED HAT INSIGHTS
- ANSIBLE by Red Hat
- RED HAT SATELLITE
- RED HAT CLOUDFORMS

THE CIO's ALTERNATIVE

Operating system	Microsoft Windows Server, Oracle Linux, Oracle Solaris, IBM AIX, Hewlett Packard Unix (HP-UX), SUSE Linux Enterprise Server, Canonical Ubuntu	**Red Hat Enterprise Linux**
PaaS and CaaS	Pivotal Cloud Foundry, IBM Bluemix, Docker Datacenter, Mesosphere Enterprise DC/OS, Heroku, Microsoft Azure, Amazon Web Services, Google Cloud Platform	**Red Hat OpenShift**
Cloud orchestration	VMware vRealize Suite, IBM Cloud Ochestrator, HPE Cloud Service Automation, RightScale Cloud Management, BMC Cloud Lifecycle Management, Scalr, Cloudify	**Red Hat CloudForms**
Infrastructure-as-a-Service (IaaS)	HPE Helion, VMware Integrated OpenStack (VIO), Mirantis OpenStack, Ubuntu OpenStack	**Red Hat Cloud Infrastructure, Red Hat OpenStack Platform, Red Hat Satellite**
Virtualization	VMware vSphere, Microsoft Hyper-V Server 2012	**Red Hat Virtualization**
Storage	NetApp, EMC (Isilon, ScaleIO, Elastic Cloud Storage [ECS]), VMware Virtual SAN, Scality, IBM Cloud Object Storage	**Red Hat Gluster Storage, Red Hat Ceph Storage**
Application server	IBM WebSphere Application Server (Liberty Core, Network Deployment, Liberty), Pivotal tc Server, Oracle WebLogic Server Enterprise	**Red Hat JBoss Enterprise Application Platform, Red Hat JBoss Web Server**
In-memory data grid	IBM WebSphere eXtreme Scale, Oracle Coherence, Hazelcast, Software AG Terracotta	**Red Hat JBoss Data Grid**
ESB and application integration	IBM Integration Bus, Oracle SOA Suite and Enterprise Service Bus, MuleSoft AnyPoint Platform, TIBCO ActiveMatrix, Software AG webMethods, WSO2 Enterprise Service Bus	**Red Hat JBoss Fuse**
Data virtualization and data services	IBM InfoSphere Federation Server, Cisco Information Server, Denodo	**Red Hat JBoss Data Virtualization**
Business rules and process automation	IBM (Operational Decision Manager and Business Process Manager), Appian, Pega, FICO Blaze Advisor, Progress Corticon	**Red Hat JBoss BRMS, Red Hat JBoss BPM Suite**
Messaging	IBM WebSphere MQ, Pivotal RabbitMQ, TIBCO Enterprise Message Service, Solace Systems	**Red Hat JBoss A-MQ**
System management	HPE Server Automation, BMC BladeLogic, Microsoft System Center Configuration Manager, Puppet Enterprise	**Red Hat Satellite**
Mobile	IBM MobileFirst, SAP Mobile Platform (SMP), Kony Mobility Platform, Telerik Platform, OutSystems Platform	**Red Hat Mobile Application Platform**
IT automation	HPE Server Automation, HPE Operations Orchestration, BMC BladeLogic, Capistrano, Juju	**Ansible Tower by Red Hat**
API management	Apigee, MuleSoft API Manager, TIBCO Mashery, WSO2 API Manager	**3scale API Management Platform by Red Hat**



#1 OPEN SOURCE LEADER

MORE THAN
90%
of the
FORTUNE 500
use
RED HAT
PRODUCTS & SOLUTIONS. *

~9,300
EMPLOYEES

85
OFFICES

35
COUNTRIES

S&P
500
COMPANY

NYSE:
RHT

AWARD-WINNING
SOLUTIONS

* Red Hat client data, 2015

redhat.

I.T. MUST EVOLVE TO ENABLE THE DIGITAL ENTERPRISE
CULTURE AND PROCESS ARE AS IMPORTANT AS TECHNOLOGY

MINDSET

CULTURE

PROCESS

TECHNOLOGY

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Grazie

WERNER KNOBLICH
SVP and General Manager
Red Hat EMEA

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