Rozwiązania Open Source w sektorze finansowym

IT@Bank 2018

Wojciech Furmankiewicz
Regional Manager, Solution Architecture
Red Hat CEE
wfurmank@redhat.com

MOBILE
EDUCATION
BANKING
TECHNOLOGY IS PART OF EVERYTHING
MEDICINE
RETAIL
SOCIAL MEDIA
CARS

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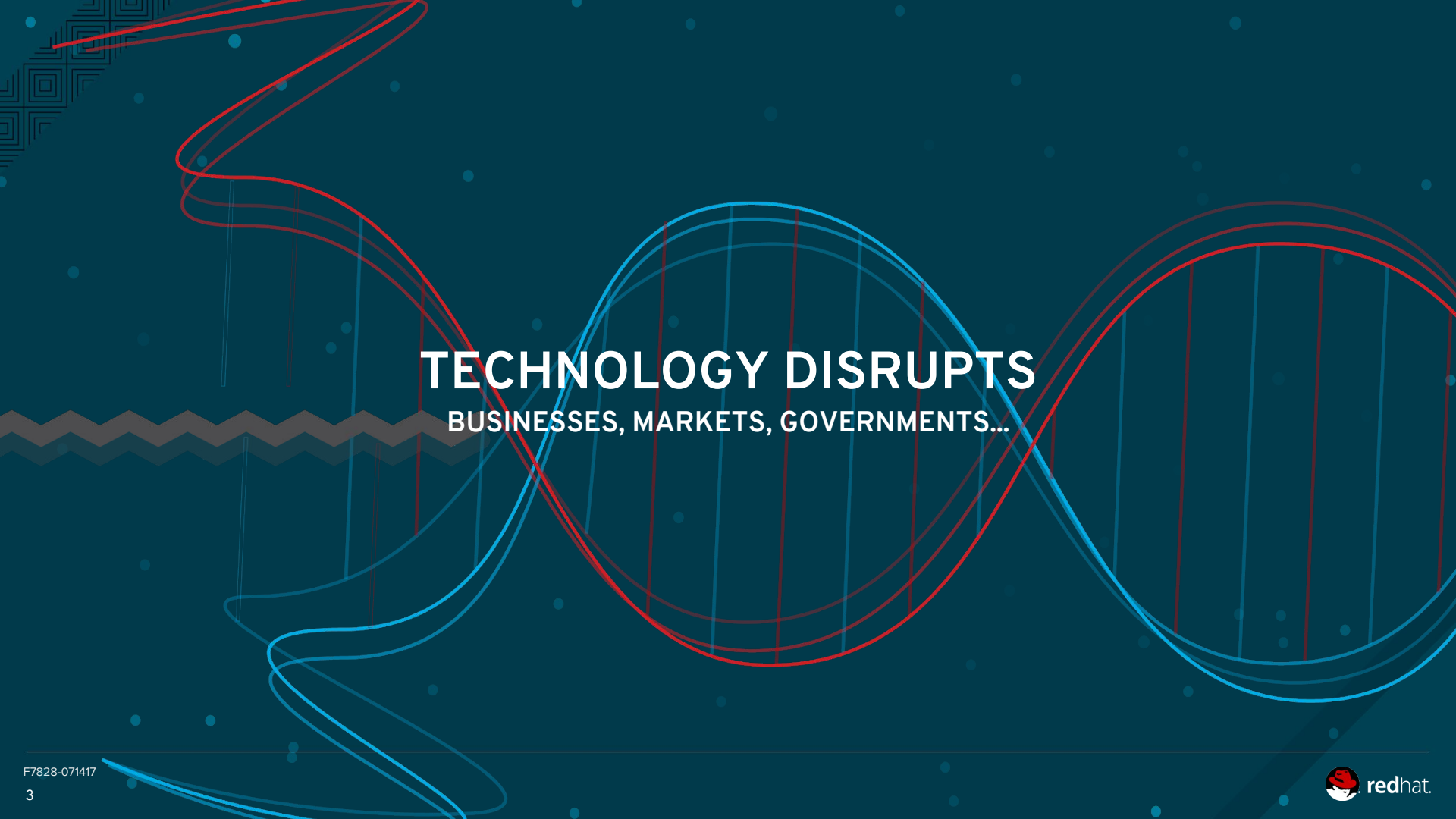
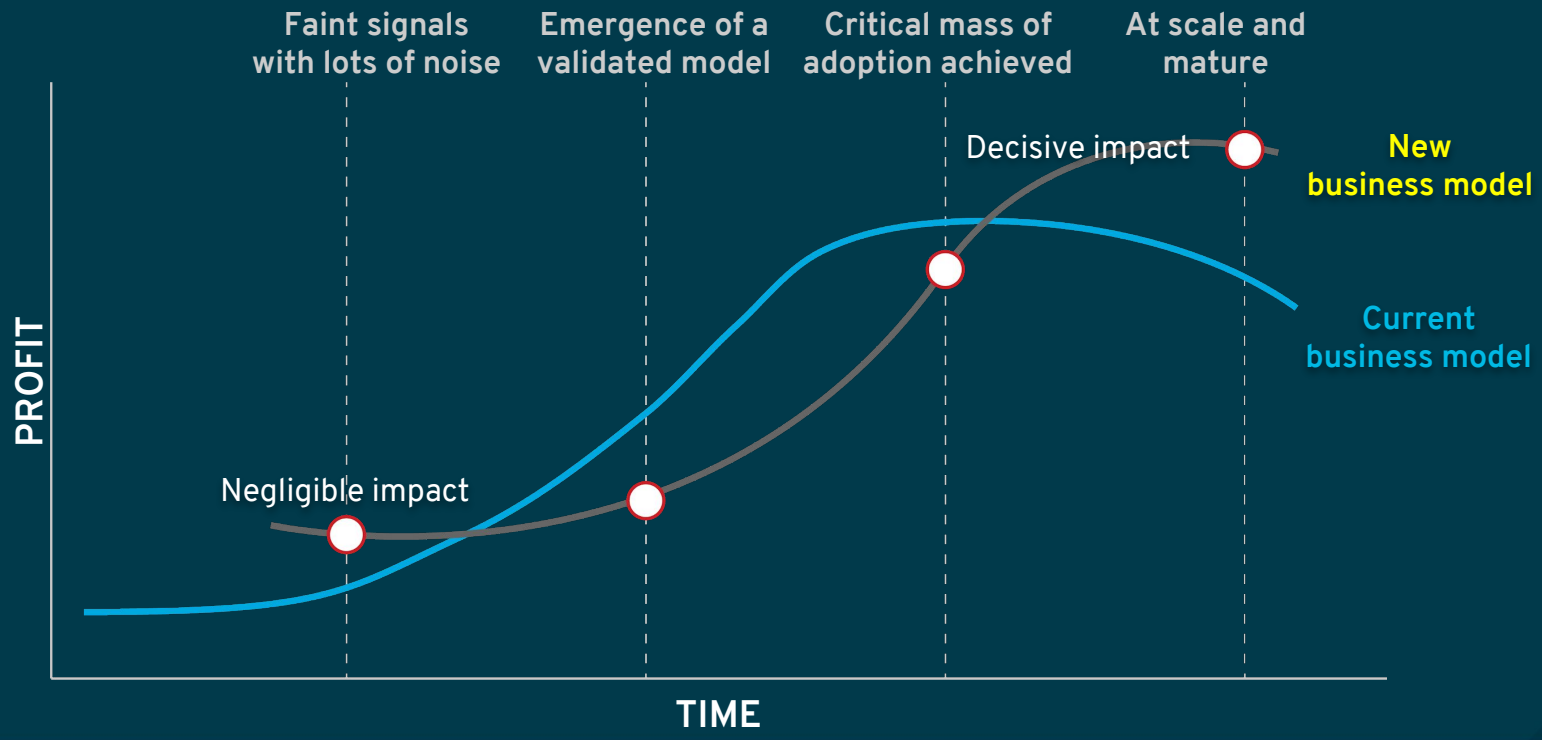

TECHNOLOGY DISRUPTS
BUSINESSES, MARKETS, GOVERNMENTS...

AND YOU MAY NOT REALIZE IT

UNTIL IT'S TOO LATE



Source: Chris Bradley & Clayton O'Toole. *An Incumbent's Guide to Digital Disruption*. McKinsey Quarterly, May 2016.
http://www.mckinsey.com/business-functions/strategy-and-corporate-finance/our-insights/an-incumbents-guide-to-digital-disruption

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DIGITAL LEADERS ARE HIGH PERFORMERS

I.T. THROUGHPUT MEANS MOVING QUICKLY TO ANSWER DEMAND

High-performing organizations deploy

200x

more frequently than low-performing ones

Source: Puppet + DORA, *2016 State of DevOps Report*, March 2016.
http://www.ciosummits.com/Online_Assets_Puppet_2016_State_of_DevOps_Report.pdf

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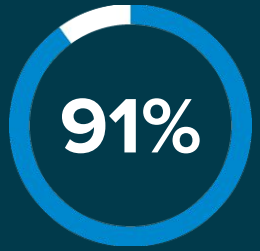
WHERE ARE YOU IN YOUR DIGITAL JOURNEY?

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



of respondents indicate they have a role for themselves in their organization's digital innovation over the next 2 years, with 29% saying it will be a significant role or their primary role

indicate their organization is either not ready or aren't sure whether they're ready, which highlights a real concern that cannot be ignored

Source: John Hagerty for Gartner, ***Top Skills for IT's Future: Cloud, Analytics, Mobility, and Security*, 21 Jun** 2016. G00297698

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ARE THESE YOUR CHALLENGES?

TOP DIGITAL TOPICS FOR RED HAT CUSTOMERS

52%

1. DEVELOPING A CLOUD STRATEGY

42%

2. BUILDING NEW APPS QUICKLY

39%

3. OPTIMIZING AND MODERNIZING EXISTING I.T.

Source: Red Hat Global Customer Tech Outlook 2017, Dec 2016.
https://www.redhat.com/en/red-hat-global-customer-tech-outlook-2017

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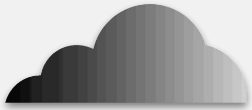
Top 3 Spending Priorities

CUSTOMER ORGANIZATIONS HAVE IN 2017

70%

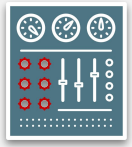


1. CLOUD INFRASTRUCTURE

50%

2. SECURITY AND COMPLIANCE

48%



3. IT MANAGEMENT, AUTOMATION, ORCHESTRATION

Source: *Red Hat Global Customer Tech Outlook 2017*
https://www.redhat.com/en/red-hat-global-customer-tech-outlook-2017

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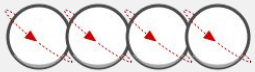
Key Technology Trends

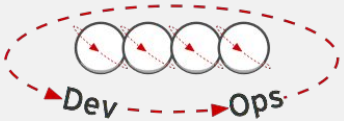
Development Process

Waterfall



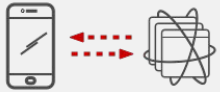
Agile

DevOps

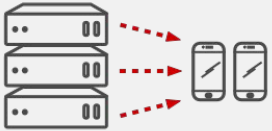


Application Architecture

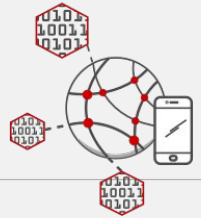
Monolithic



N-Tier



Microservices



Deployment & Packaging

Physical Servers

Virtual Servers

Containers

Application Infrastructure

Datacenter

Hosted

Cloud

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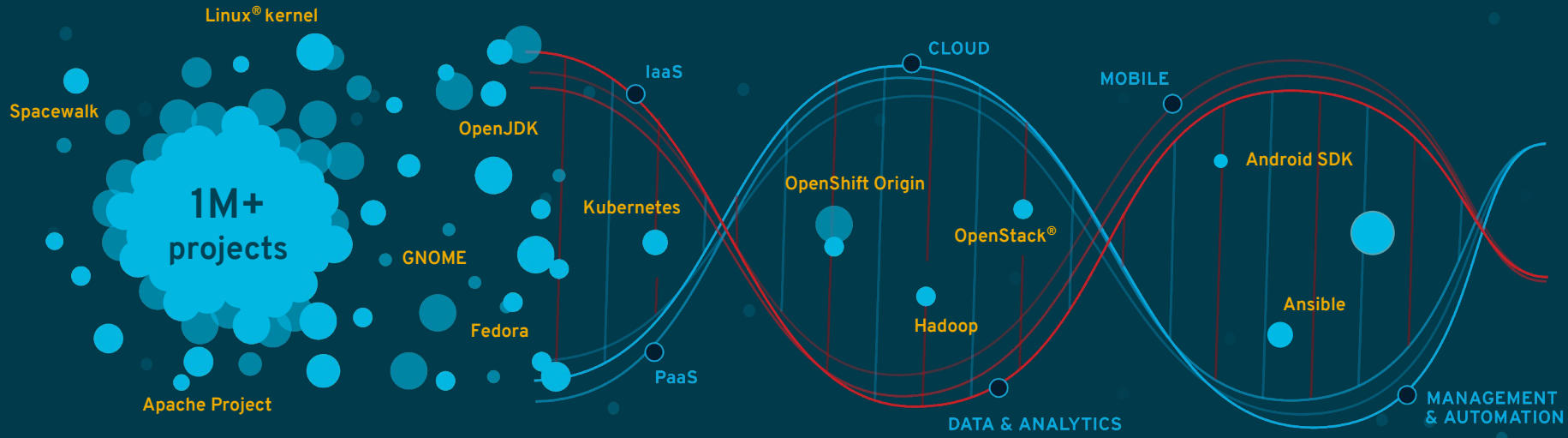
OPEN SOURCE IS THE SOURCE

OF TECHNOLOGICAL INNOVATION



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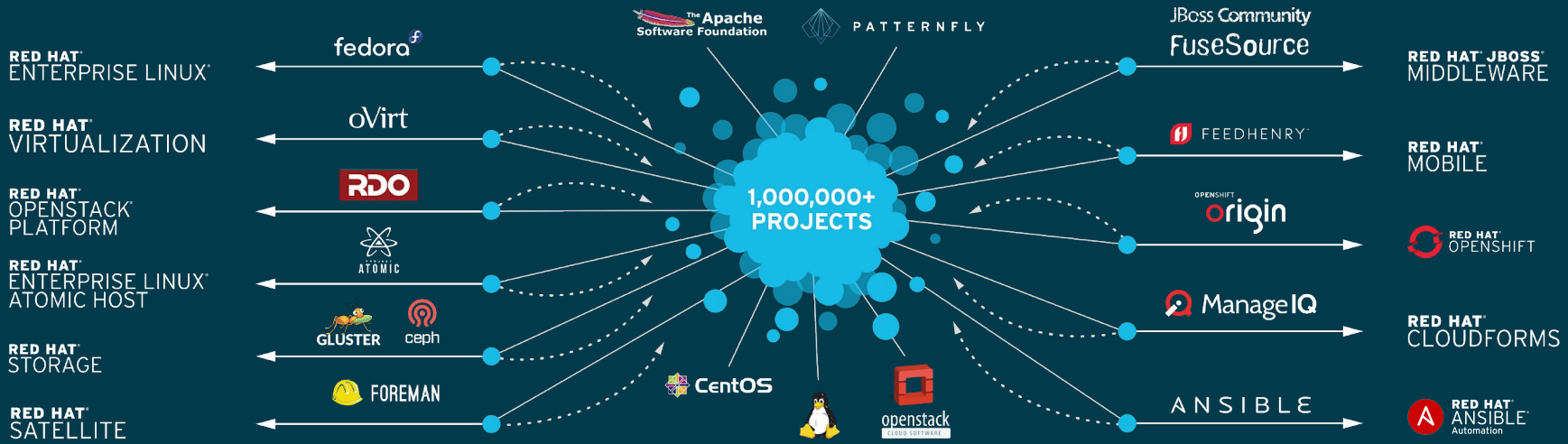
FROM COMMUNITY TO ENTERPRISE

WE ARE BUILDING MODERN I.T. SOLUTIONS

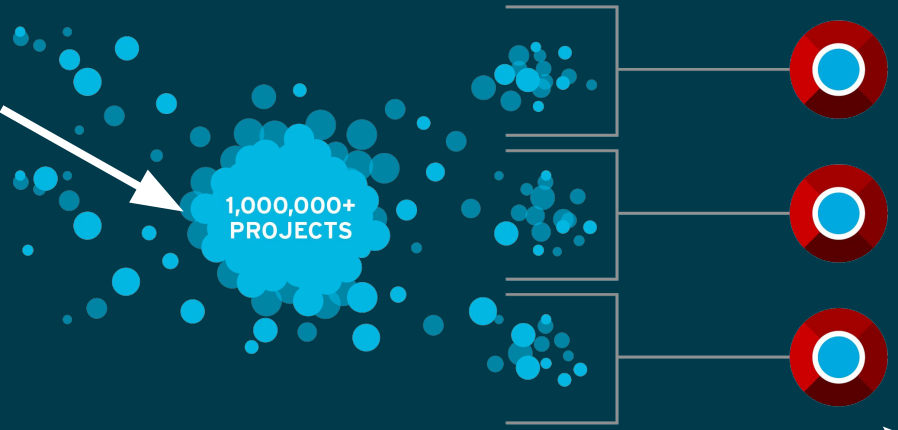


HOW WE DEVELOP PRODUCTS

FROM COMMUNITY TO COMMERCIAL

PARTICIPATE

We join (and sometimes create) community upstream projects



INTEGRATE

We integrate upstream projects, fostering open community platforms

- QA and Integration
- Stable Release
- HW&SW Certifications
- Long Lifecycle
- Support

STABILIZE

We commercialize these platforms with a rich ecosystem of services & certifications

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OUR TECHNOLOGY VISION IS OPEN, HYBRID CLOUD

APPS & ENVIRONMENTS ARE INTEROPERABLE & FLEXIBLE

DEVELOPER TOOLING

APPLICATION PLATFORMS

BARE METAL

VIRTUALIZED

INFRASTRUCTURE PLATFORMS

PRIVATE CLOUD

PUBLIC CLOUD

SOFTWARE-DEFINED STORAGE

MANAGEMENT & AUTOMATION

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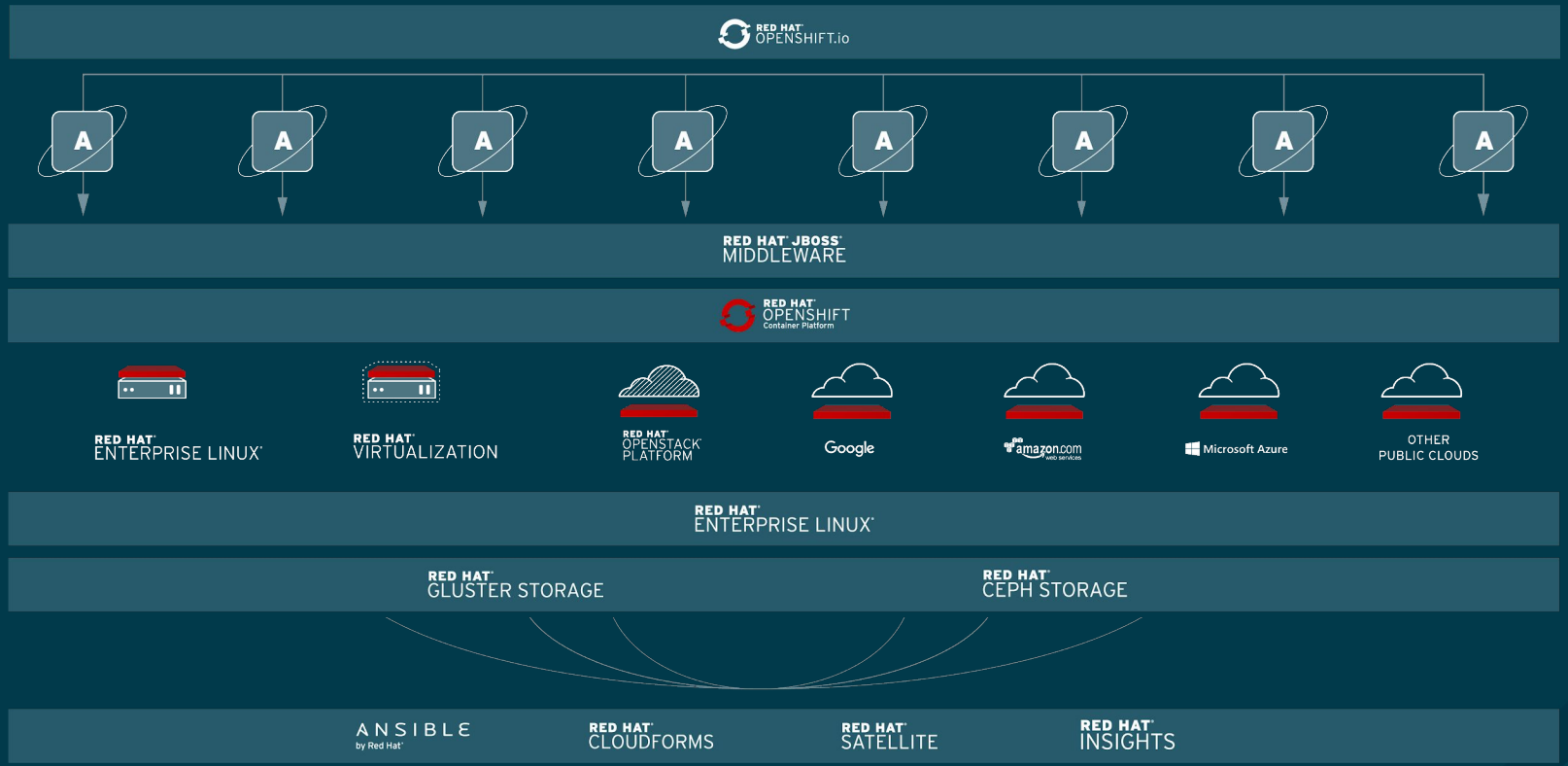
THE RED HAT PORTFOLIO



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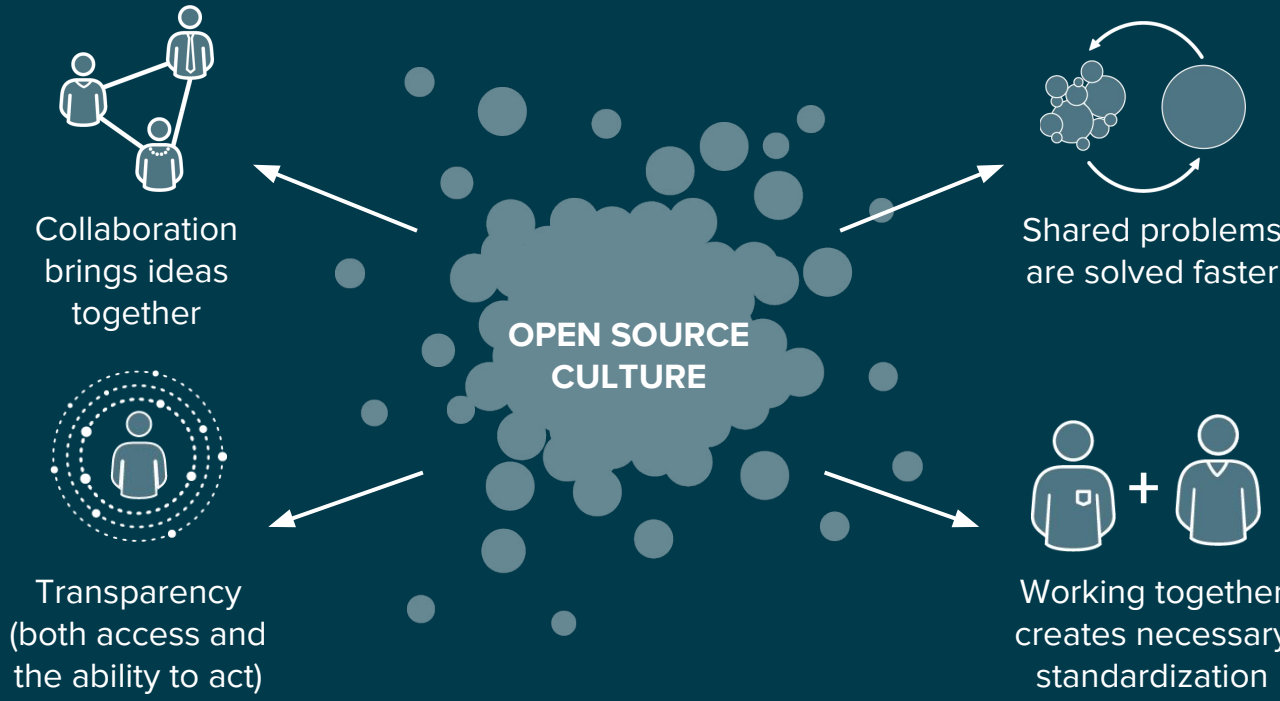
IT'S NOT JUST CODE

CULTURE IS CRITICAL



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AMADEUS

"Red Hat's commitment to us, from the top executives to the engineers and developers, has been a key contributor to our success."

CHRISTOPHE DEFAYET
DIRECTOR OF SOFTWARE DEVELOPMENT, SECURITY, AND COMMUNICATION SYSTEMS
AMADEUS

CHALLENGE

Establish a computing platform to help customers improve business performance

SOLUTION

Amadeus used Red Hat technologies to create a flexible application infrastructure that delivers significant business value to its customers.

WHY RED HAT

Amadeus wanted expert support on emerging technologies to focus on its operating system and orchestration.

RESULTS

- Reduced system latency and improved platform availability
- Increased operational efficiency
- Accelerated time to market for new applications

PRODUCTS & SERVICES

Red Hat OpenShift Container Platform
Red Hat JBoss Middleware
Red Hat OpenStack Platform
Red Hat Consulting

Source: Red Hat case study, *Amadeus innovates customer service with Red Hat OpenShift Container Platform*, June 2016.

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Schiphol
Amsterdam Airport

Launched a new cloud platform in

10 days

and cut development time for new services and APIs by

50%

CHALLENGE

Improve its passenger experience and become the best digital airport

SOLUTION

Amsterdam Airport Schiphol migrated several of its IT systems to the cloud to become more flexible, secure, and efficient.

WHY RED HAT

The airport wanted open source software, backed by support from a trusted vendor.

RESULTS

- Achieved faster development and deployment
- Gained support for more agile processes and workflows through self-service capabilities
- Avoided cloud vendor lock-in

PRODUCTS & SERVICES

Red Hat JBoss Enterprise Application Platform
Red Hat 3scale API Management
Red Hat OpenShift Container Platform
Red Hat Satellite
Red Hat OpenShift Dedicated
Red Hat Gluster Storage
Red Hat Fuse
Red Hat Consulting

Source: Red Hat case study, *Amsterdam Airport Schiphol builds agile cloud with Red Hat*, August, 2017.

BMW GROUP LOOKS TO SERVICES FOR SPEED

PROCESS STORY: MICROSERVICES, CONTAINERS, DEVOPS

Built a container-centric hybrid cloud platform using agile DevOps methodologies

- Point scaling handles fluctuating demand for BMW ConnectedDrive
- Reliable, continuous service for drivers

Source: Red Hat press release, *Red Hat OpenShift Container Platform Takes Digital Innovation into the Fast Lane with Major European Automaker*, May 2017. https://www.redhat.com/en/about/press-releases/red-hat-openshift-container-platform-takes-digital-innovation-fast-lane-major-european-automaker

VORWERK

Vorwerk used Red Hat solutions to create multicloud support for more than

1.5 million

IoT devices

CHALLENGE

Implement a new Internet of Things (IoT) environment

SOLUTION

Vorwerk has implemented an IoT environment with multicloud support, as well as an infrastructure based on Red Hat solutions.

WHY RED HAT

Red Hat's hybrid cloud solutions provide a flexible, scalable architecture for Vorwerk to expand device connectivity and processing power.

RESULTS

- Automated application deployment and scaling across its hybrid cloud
- Created cluster-based, software-defined storage
- Improved cost tracking to ensure compliance across its infrastructure

PRODUCTS & SERVICES

Red Hat OpenShift Container Platform
Red Hat CloudForms
Red Hat Gluster Storage
Red Hat Consulting
Red Hat Technical Account Management

Source: Red Hat press release, *Red Hat, Vorwerk Bake the Hybrid Cloud and Internet of Things into Leading Cooking Appliance*, May 2018.

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OPEN INNOVATION LABS

A HANDS-ON ENVIRONMENT FOR RAPID INNOVATION & REAL BUSINESS RESULTS

EXPERIMENT

Rapidly build prototypes, do DevOps, and be agile

IMMERSE YOUR TEAM

Work side-by-side with experts in a residency-style engagement

INNOVATE

Bring modern application development back to your team

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