Red Hat
Enterprise Linux

Use Cases for OpenShift

For the OpenShift Introduction Workshop in Milan

Red Hat

Big ideas drive business innovation

Cloud

DevOps **Digital** Containers

transformation

Artificial intelligence

Internet of things

Open source communities

Open organization

Kubernetes

Business innovation is all around us.

Every organization in every geography and in every industry can innovate and create more customer value and differentiation with open source technologies and an open culture.

Red Hat

Creating value depends on your ability to deliver applications faster

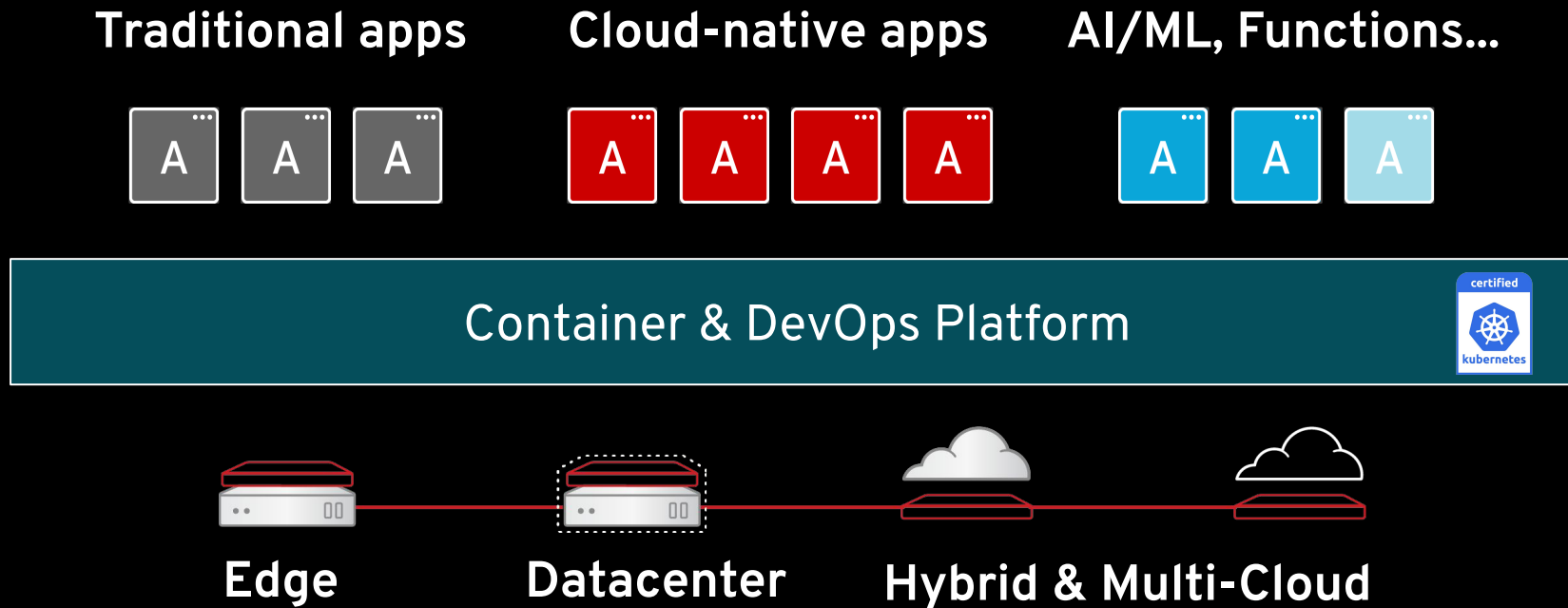| Cloud-native applications	AI & machine learning	Analytics	Internet of Things	Innovation culture

Containers, Kubernetes, and hybrid cloud are key ingredients.
OpenShift is the best platform to deliver container-based applications.

Red Hat

With OpenShift you can deliver all your applications in a whole new way

Traditional apps

Cloud-native apps

AI/ML, Functions...

Container & DevOps Platform

certified
kubernetes

Edge

Datacenter

Hybrid & Multi-Cloud

Red Hat

Workloads on OpenShift

SMARTBOW®
YOUR COWS. YOUR BUSINESS.

With Red Hat OpenShift Container Platform, Smartbow can now **handle an extra 3TB of data** in a single week.

CHALLENGE
Install scalable data routing and storage

SOLUTION
Smartbow deployed a cloud computing solution that could adapt flexibly to unique customer needs, offer 24×7 real-time data availability, and meet high security and quality standards.

WHY RED HAT
Smartbow chose Red Hat OpenShift because it integrates all the components and resources needed to support its agile work at enterprise scale.

RESULTS
- Gained scalability to accommodate rapid global growth in customers and data
- Increased development speed and efficiency with re-use of modular components
- Established support for continuous, iterative work on innovative services

PRODUCTS & SERVICES
Red Hat OpenShift Container Platform

Source: Red Hat case study, *Smartbow supports continuous service innovation with Red Hat OpenShift.* April 2018.

Red Hat

SMARTBOW®

YOUR COWS. YOUR BUSINESS.

*"Our new approach is to try, fail, and learn fast.
Red Hat OpenShift allows us to try new things easily,
make adjustments, and move on to the next idea."*

DAVID ANDLINGER
HEAD OF INFORMATION AND COMMUNICATIONS TECHNOLOGY
SMARTBOW

Red Hat

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Lufthansa Technik

CHALLENGE
Improve airlines' technical operations

Anticipates significant reductions in MRO costs for participating airlines—equating to

millions of euros per airline

SOLUTION
Lufthansa Technik built and operated AVIATAR using a hybrid cloud infrastructure based on enterprise open source software from Red Hat.

WHY RED HAT
Lufthansa Technik needed a flexible, scalable environment that could run multiple applications using a shared repository of industry data.

RESULTS
- Faster application workflows
- Greater flexibility through improved integration between internal infrastructure and third-party solutions
- Anticipates significant savings for participating airlines on maintenance, repair, and overhaul (MRO)

PRODUCTS & SERVICES
Red Hat OpenShift Container Platform   Red Hat JBoss Enterprise Application Platform
Red Hat Enterprise Linux   Red Hat Gluster Storage

Lufthansa Technik

"Relying on open source from Red Hat gave us the opportunity to increase speed and development, because behind open source technology there's always a big community evolving the product very fast compared to proprietary technology."

TOBIAS MOHR
HEAD OF TECHNOLOGY AND INFRASTRUCTURE, AVIATAR
LUFTHANSA TECHNIK

RED HAT INNOVATION AWARDS WINNER 2018

Red Hat

into this new platform. It is very interesting to work together with the team from AVIATAR.

Red Hat

PORSCHE INFORMATIK

"New applications that once took over a week are now up and running after just a few hours."

CHRISTIAN KOBERL & JOHANNES GRUMBOCK
SOFTWARE & INFRASTRUCTURE ARCHITECTS, PORSCHE INFORMATIK GmbH

CHALLENGE
Keep up with demanding competition and evolving automotive industry

SOLUTION
Porsche Informatik established a private cloud to evolve from focusing on distributor-based solutions to customer-focused solutions.

WHY RED HAT
"We use Red Hat OpenShift because it is one of the best enterprise solutions when it comes to authorization, authentication, logging, and metrics." –Christian Koberl, software architect, and Johannes Grumbock, infrastructure architect, Porsche Informatik

RESULTS
- Increased application development and deployment speed
- Enhanced continuous integration and delivery (CI/CD) pipeline
- Improved efficiency, resulting in financial savings

PRODUCTS & SERVICES
Red Hat® OpenShift® Container Platform

Source: Red Hat blog, Ready to adapt: Providing applications and services worldwide easily and quickly. August 2018.

Red Hat

PORSCHE
INFORMATIK

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SOFTWARE AND INFRASTRUCTURE ARCHITECTS
PORSCHE INFORMATIK GmbH

Red Hat

SBB CFF FFS

Reduced operating costs by about **50%**

CHALLENGE
Deploy a modern and flexible IT platform to better meet changing rail passenger expectations

SOLUTION
SBB created a scalable, agile platform for developing applications and delivering new services.

WHY RED HAT
SBB chose Red Hat OpenShift Container Platform because it increases flexibility and portability across architectures, as well as increased scalability to meet evolving business demands.

RESULTS
- Created foundation for developers and operations teams to act independently to achieve faster, more agile application development
- Created an innovative passenger mobile application
- Improved system stability to support modifications of individual elements on the live system without affecting availability

PRODUCTS & SERVICES
Red Hat OpenShift Container Platform

Source: Red Hat press release, *Swiss Federal Railways (SBB) Deploys Red Hat OpenShift Container Platform to Accelerate IT Modernization*, January 2017.

SBB CFF FFS

"Red Hat OpenShift Container Platform, with its container-based architecture, provided us with the innovation potential we required, in addition to operational stability and efficiency improvements across our infrastructure."

BALTISAR OSWALD
SOFTWARE ARCHITECT
SCHWEIZERISCHE BUNDESBAHNEN SBB

Red Hat

SBB Railways - Technology from Switzerland.

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

Red Hat

Schiphol
Amsterdam Airport

"Red Hat OpenShift Container Platform has truly stolen my heart. It is innovative and lets us deploy quickly and easily control our containers."

SENIOR TECHNICAL APPLICATION COORDINATOR
AMSTERDAM AIRPORT SCHIPHOL

Red Hat

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 Gluster Storage
	Red Hat Consulting
Red Hat CloudForms	Red Hat Technical Account Management

Red Hat

"With Red Hat as our partner, we have succeeded in creating an enhanced customer experience through improved device connectivity."

MICHAEL HOSSE
SENIOR MANAGER OF DIGITAL ARCHITECTURE
VORWERK

Thank you

Red Hat is the world's leading provider of enterprise open source software solutions. Award-winning support, training, and consulting services make Red Hat a trusted adviser to the Fortune 500.

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