



RED HAT
FORUM
Europe, Middle East & Africa



DevOps – from hype to reality

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Red Hat Nordics

THE CHANGING ROLE OF IT

“IT does not matter.”

Nicolas G. Carr

Harvard Business Review, May 2003

“Every company is now a technology company.”

Joe McKendrick

Forbes.com, April 2015

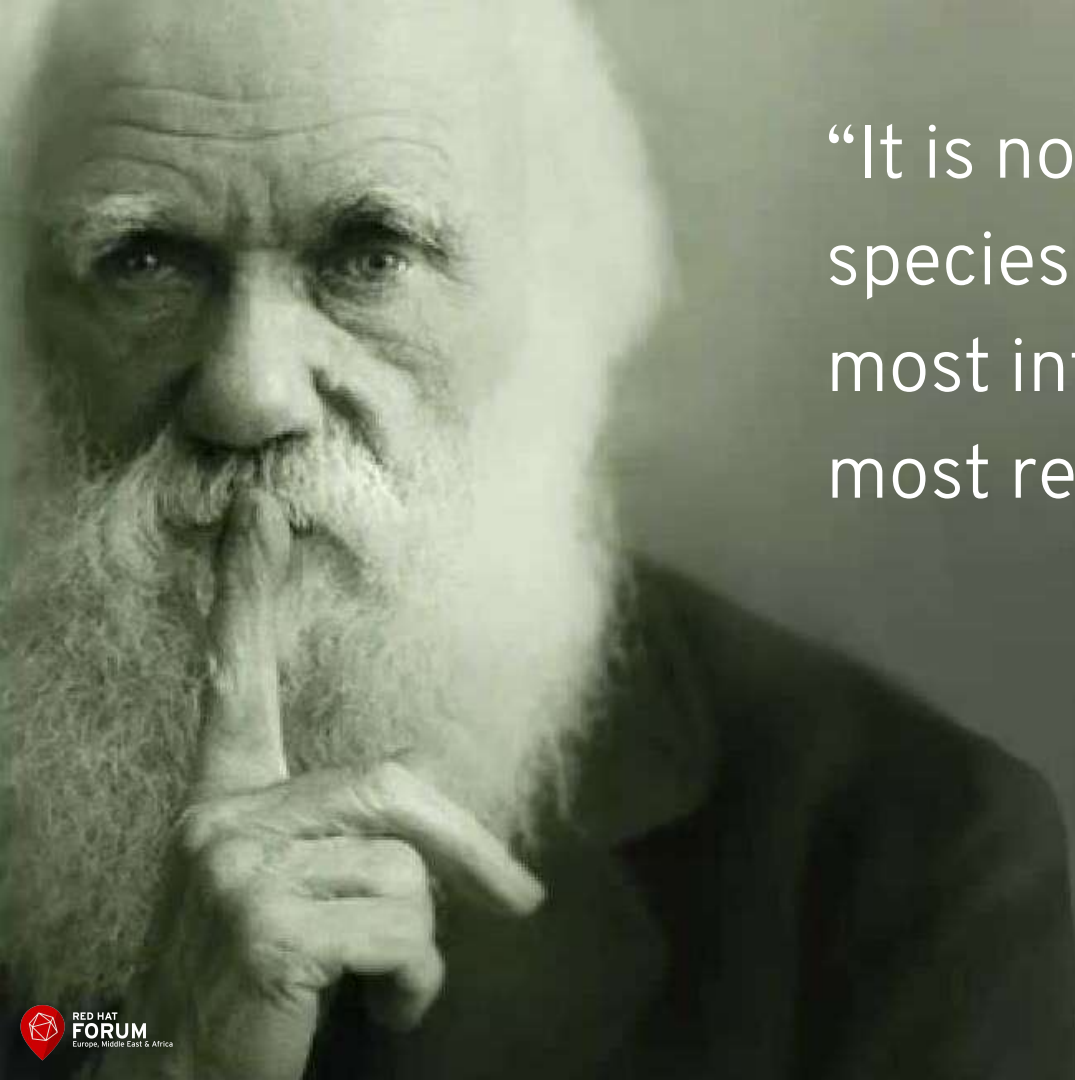
“Every company is now a software company.”

U. C Irvine

Harvard Business Review, April 2016

”In the digital era, the new *status quo* is
CONSTANT CHANGE”





“It is not the strongest of the species that survive, nor the most intelligent, but the one most responsive to change.”

Charles Darwin, 1809 - 1882

IT NEEDS TO EVOLVE IN THE DIGITAL ERA

Development Process

Waterfall



Agile



DevOps



Application Architecture

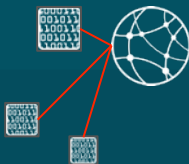
Monolithic



N-Tier



Microservices



Deployment & Packaging

Physical



Virtual



Containers



Application Infrastructure

Datacenter



Hosted



Cloud



IT NEEDS TO EVOLVE IN THE DIGITAL ERA

Development Process

Waterfall



Agile

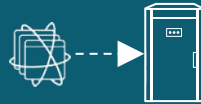


DevOps



Application Architecture

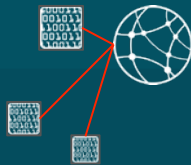
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Application Infrastructure

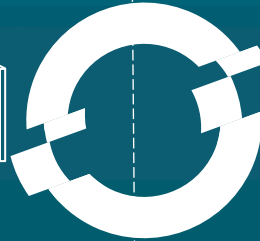
Datacenter



Hosted



Cloud



RED HAT®
OPENSHIFT

OpenShift: from buzzword & hype to reality

- A complete, integrated, hybrid, application platform (PaaS) meeting Developer and Operations team needs. **DEVOPS**
- Built for traditional applications and next generation mobile and **CLOUD**-native **MICROSERVICES**
- Develop, build, test, manage, run, orchestrate and scale **CONTAINER**-based services – fast and easy in a production ready, turn key solution



*Technology Of The Year
InfoWorld 2015 & 2016*

OpenShift: the integrated power of Open source innovation



 **RED HAT®**
OPENSHIFT
Online

 **RED HAT®**
OPENSHIFT
Dedicated

 **RED HAT®**
OPENSHIFT
Container Platform

+10 Open Source projects
integrated into one powerful turn key solution

OpenShift: built on Open Container Standards

(CONTAINER FORMAT)

docker



Red Hat is top contributor
along with Docker Inc

(CONTAINER ORCHESTRATION)

kubernetes



Red Hat is top contributor
along with Google

"Red Hat is best placed to take advantage of growing container adoption."

Cowen, May 30, 2017

CONTAINER ADOPTION CHALLENGES

CONTAINERIZING THE DATACENTER REQUIRES A COMPLETE PLATFORM



Organizations need a secure and reliable integrated platform on which they can run and orchestrate multi-container based applications at scale

TOP CHALLENGES

OF RUNNING CONTAINERS AT SCALE



**OPERATIONAL
EFFICIENCY**



**SERVICE
HEALTH**



**SECURITY
& COMPLIANCE**



**FINANCIAL
MANAGEMENT**



RED HAT®
OPENSSHIFT
Container Platform

RED HAT®
CLOUDFORMS



Operational Management across the entire stack.

- Real-time discovery
 - Visualize relationships
 - Monitoring and alerts
 - Vulnerability scanning
- Security compliance
 - Workflow and policy
 - Automation
 - Chargeback

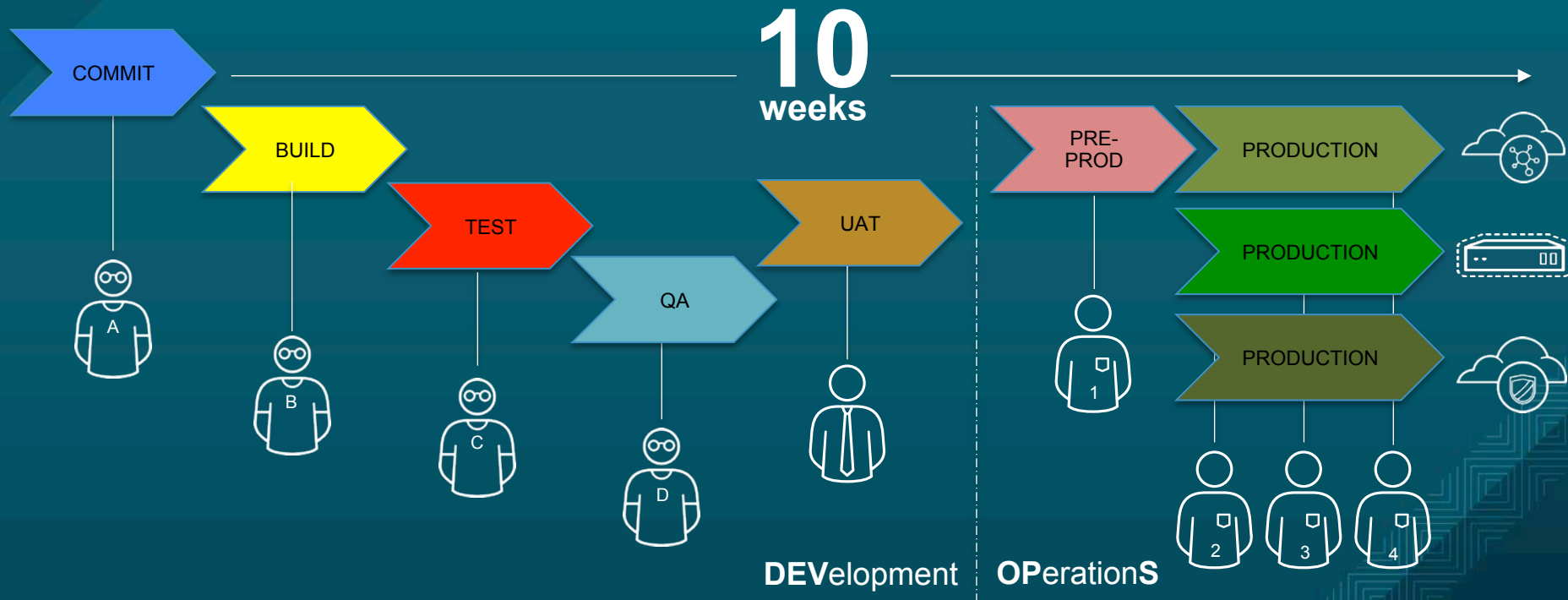
A COMPLETE CONTAINER PLATFORM

YOU NEED A COMPLETE AND INTEGRATED CONTAINER PLATFORM TO SCALE



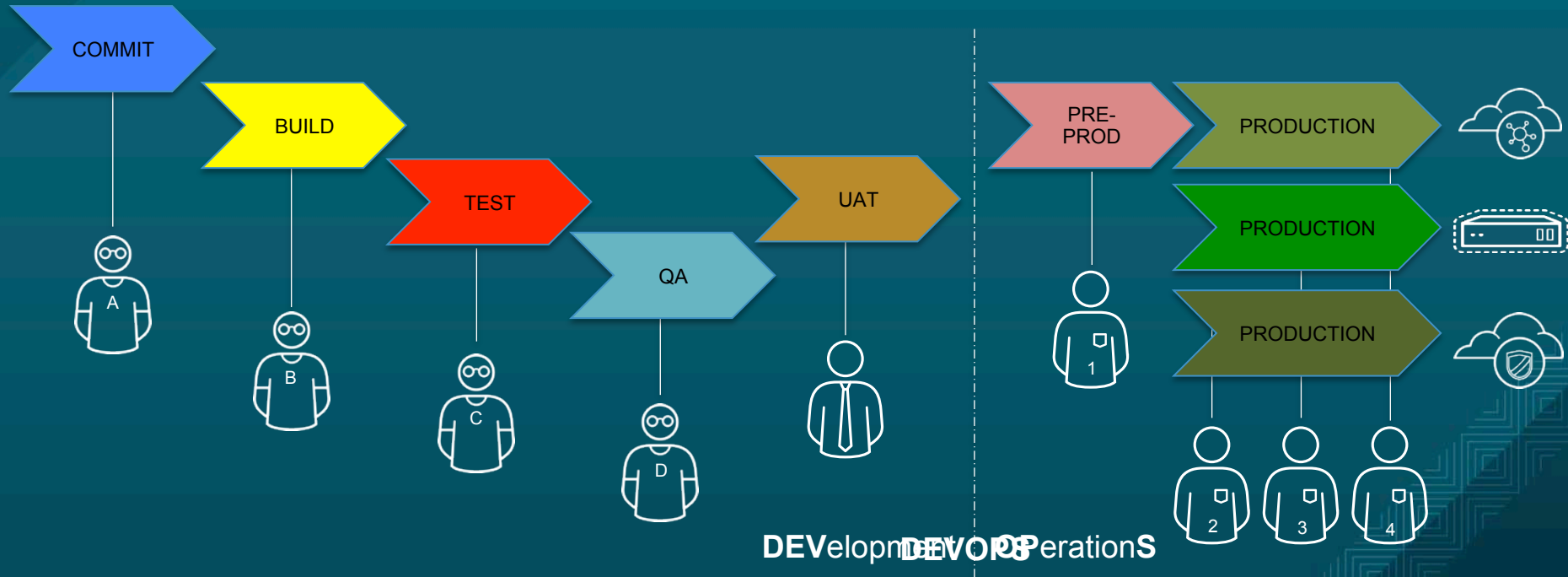
TRADITIONAL DEVELOPMENT PIPELINE

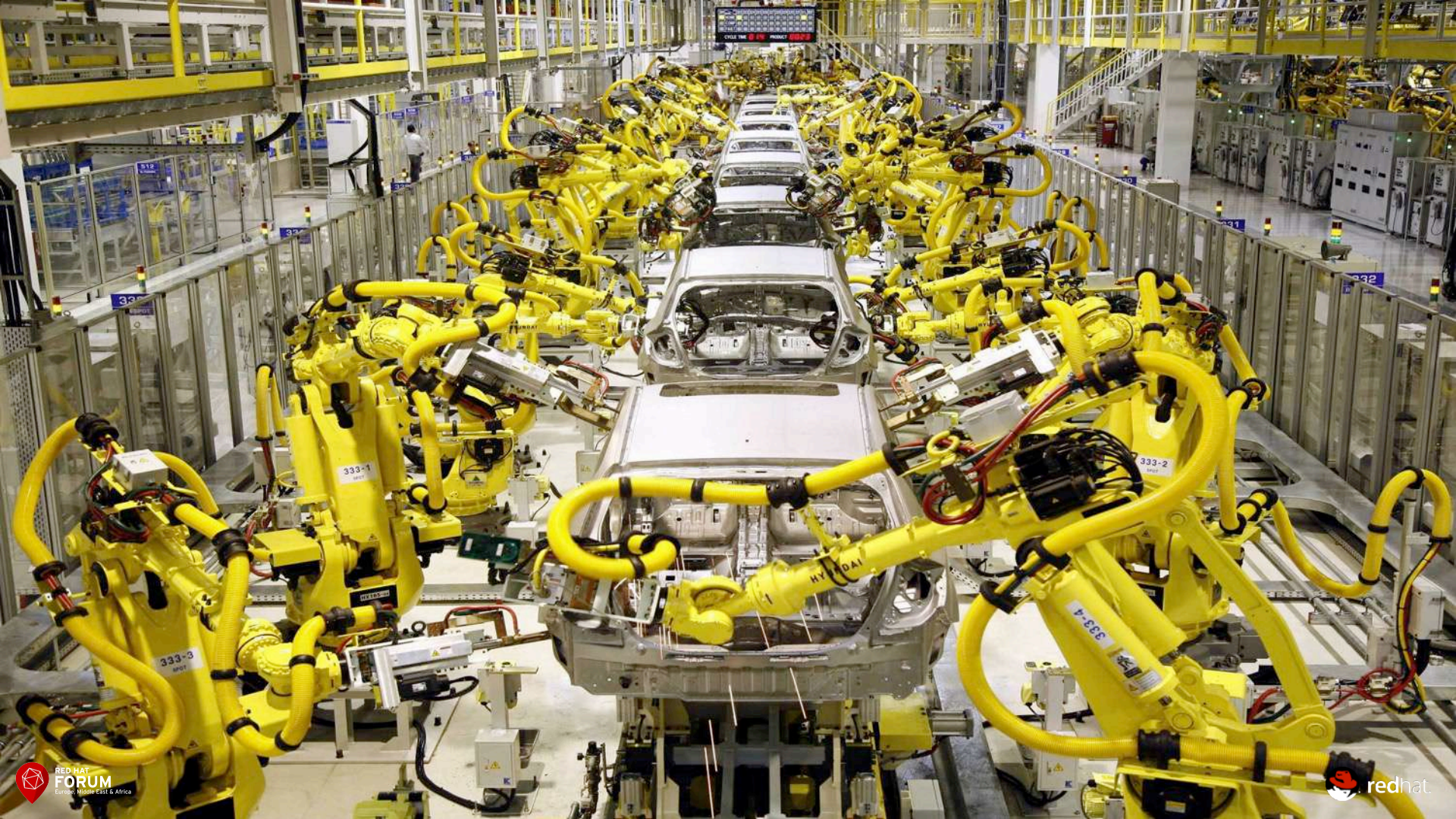
MULTIPLE MANUAL STEPS IN MULTIPLE HETROGENOUS ENVIRONMENTS



TIME FOR CHANGE!

WHAT IF WE COULD INTEGRATE AND AUTOMATE SOME OF THOSE STEPS?





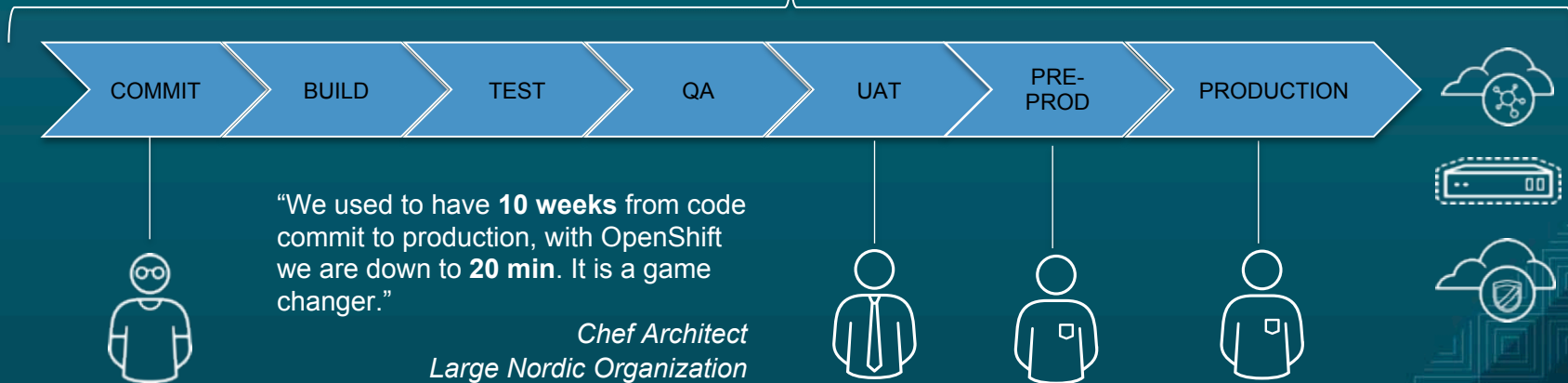
Large Nordic Organization

OPENSIFT DEVELOPMENT PIPELINE

AN AUTOMATED AND INTEGRATED DEVELOPMENT PIPELINE



RED HAT
OPENSIFT



WHAT IS THE BUSINESS VALUE?

A FOUNDATION FOR SUCCESSFUL DIGITAL TRANSFORMATION



**Expedite
Innovation To Market**



**Accelerate
Application Development**



**Increase
Operational Efficiency**



**Enable
DevOps**

66%

faster application delivery*



35%

higher developer productivity*



38%

reduction in infrastructure costs*



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*IDC Real World Customer Study 2017



RED HAT OPEN HYBRID CLOUD. OPENSIFT 4.10



ANSIBLE
by Red Hat

RED HAT JBOSS
MIDDLEWARE



RED HAT
OPENSIFT
Container Platform



RED HAT
MOBILE APPLICATION
PLATFORM



RED HAT
ENTERPRISE LINUX



VMWARE
RED HAT VIRTUALIZATION
HYPER-V



RED HAT
OPENSTACK PLATFORM



amazon
web services



Microsoft Azure



Google Cloud Platform



OTHER
PUBLIC CLOUDS



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