RED HAT FORUM
Europe, Middle East & Africa

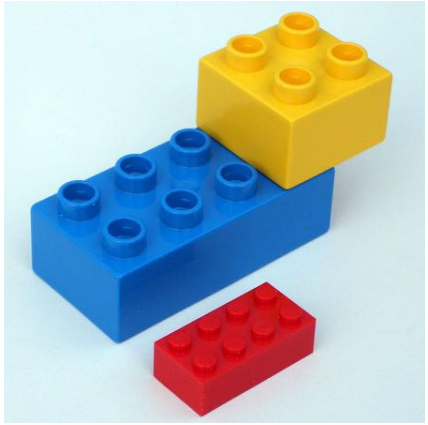
Enabling DevOps

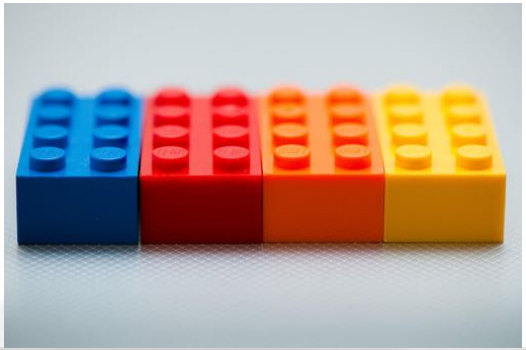
Using Containers as a Currency in OpenShift

Iain Boyle
Senior Solutions Architect
iboyle@redhat.com

Ian Lawson
Senior Solutions Architect
ilawson@redhat.com

Imagine Lego as a Currency?





Business Problem: Harmonise Dev and Ops

PartyCo

Monolithic application stacks
Large DB on dedicated hardware
Traditional waterfall **development**
Long **development** cycles

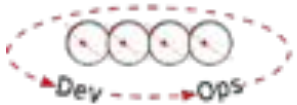
CosPlayUK

Some OpenStack
Primarily public cloud
Small **operations** team

Technology Challenges: PartyCo / CosPlayUK

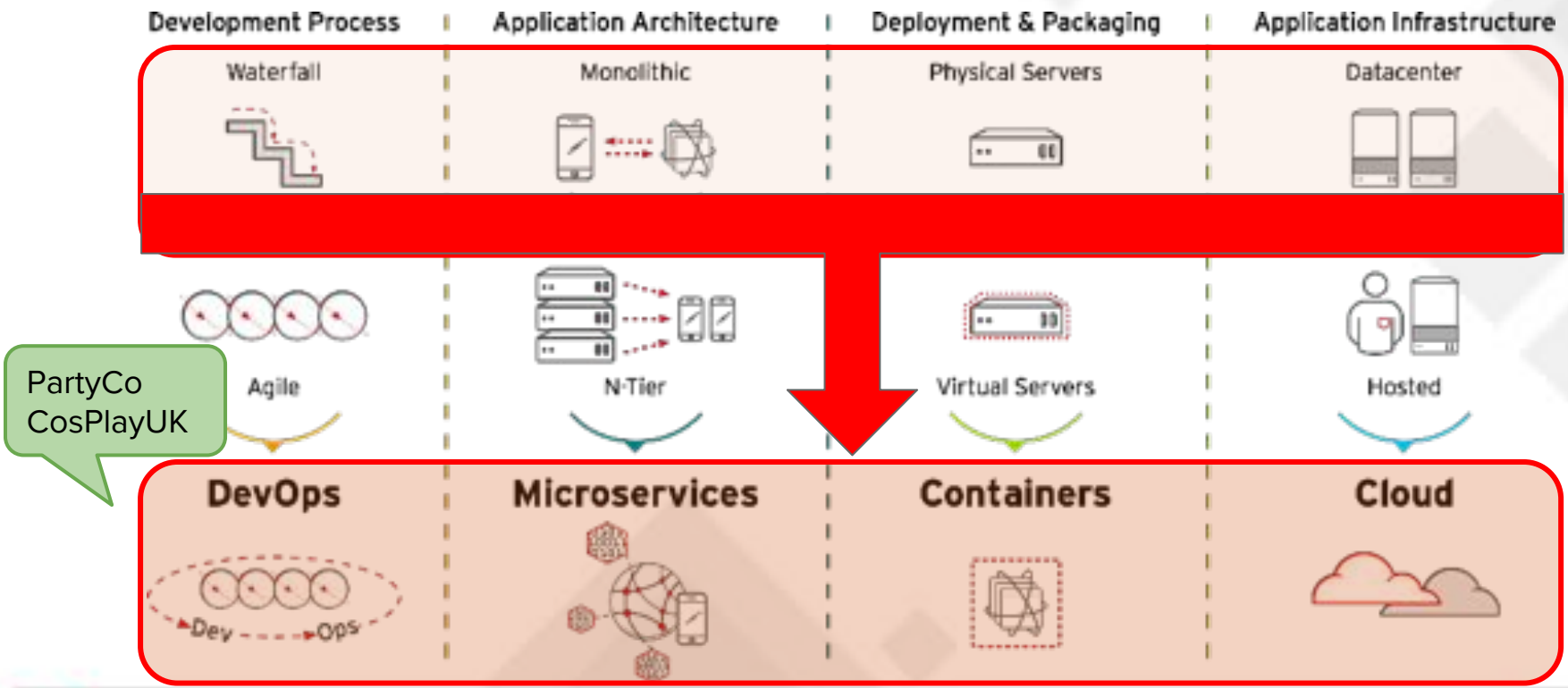
PartyCo

Development Process	Application Architecture	Deployment & Packaging	Application Infrastructure
Waterfall	Monolithic	Physical Servers	Datacenter
Agile	N-Tier	Virtual Servers	Hosted
DevOps	**Microservices**	**Containers**	**Cloud**



CosPlayUK

Transition Challenge



How to Transition: Which Problems to Solve?

an **INNOVATION** problem?

We need to deliver **more apps, more features, more value**. The business wants more out of IT.

a **THROUGHPUT** problem?

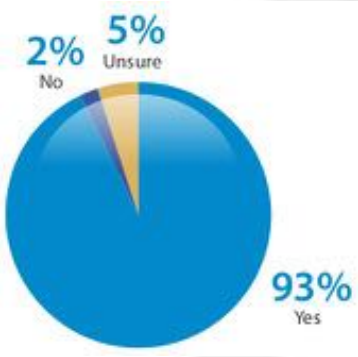
We need to deliver value to the organization **faster**. Our projects are always behind. My best people are always fighting fires instead of delivering value.

a **QUALITY** problem?

Our IT projects aren't as successful as we want them to be. The results **aren't satisfying the business**.

Solving Problem Requires: New Technology

Does your organization expect to make net new investments in DevOps enabling technologies over the next two years?

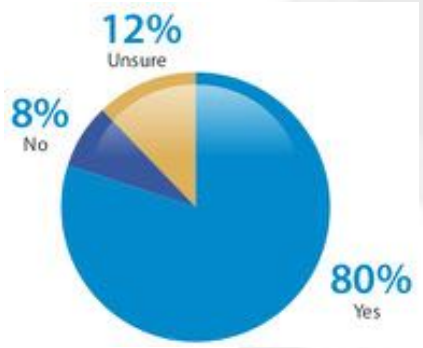


93% Believe New Enabling Technologies Are Required for DevOps Success

*IDC DevOps Thought Leadership Survey, IDC, May, 2015

Solving Problem Requires: PaaS

Plans to implement platform as a service (PaaS) solution(s) to enable DevOps over the next few years

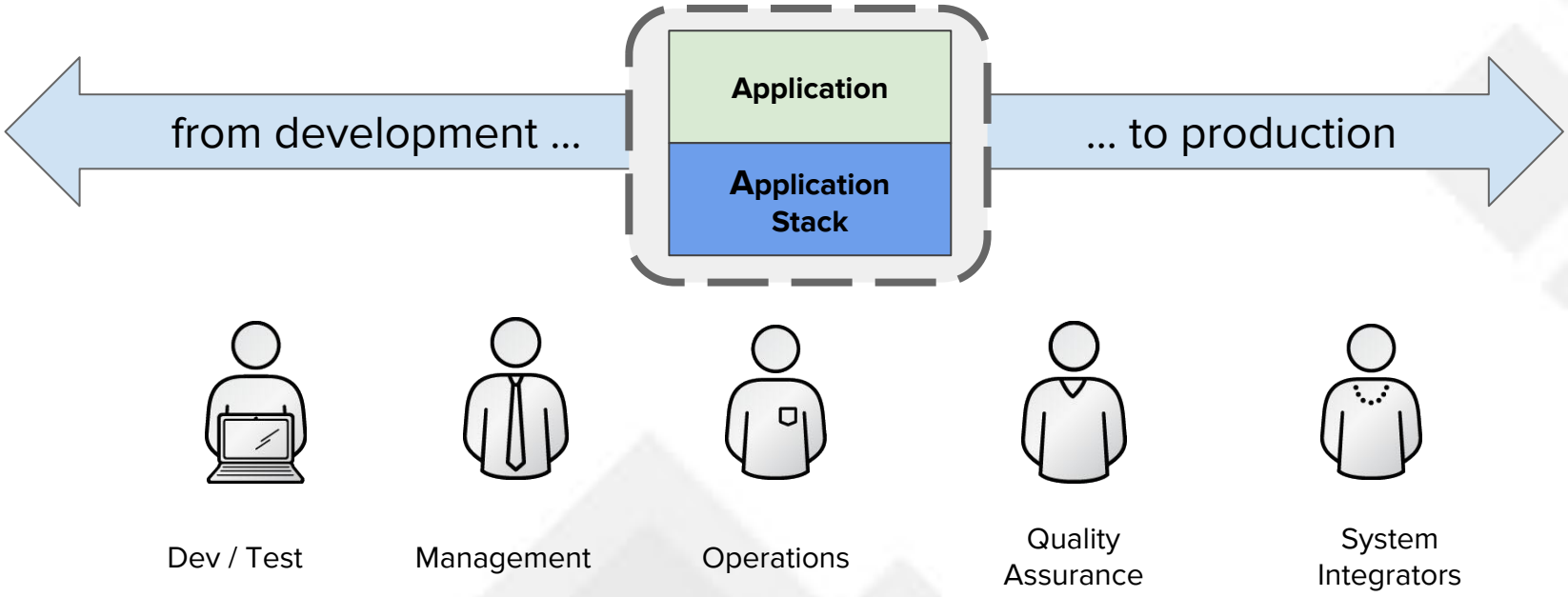


80% Expect PaaS To Have a Critical Role

*IDC DevOps Thought Leadership Survey, IDC, May, 2015

Red Hat Solution:
OpenShift Container Platform

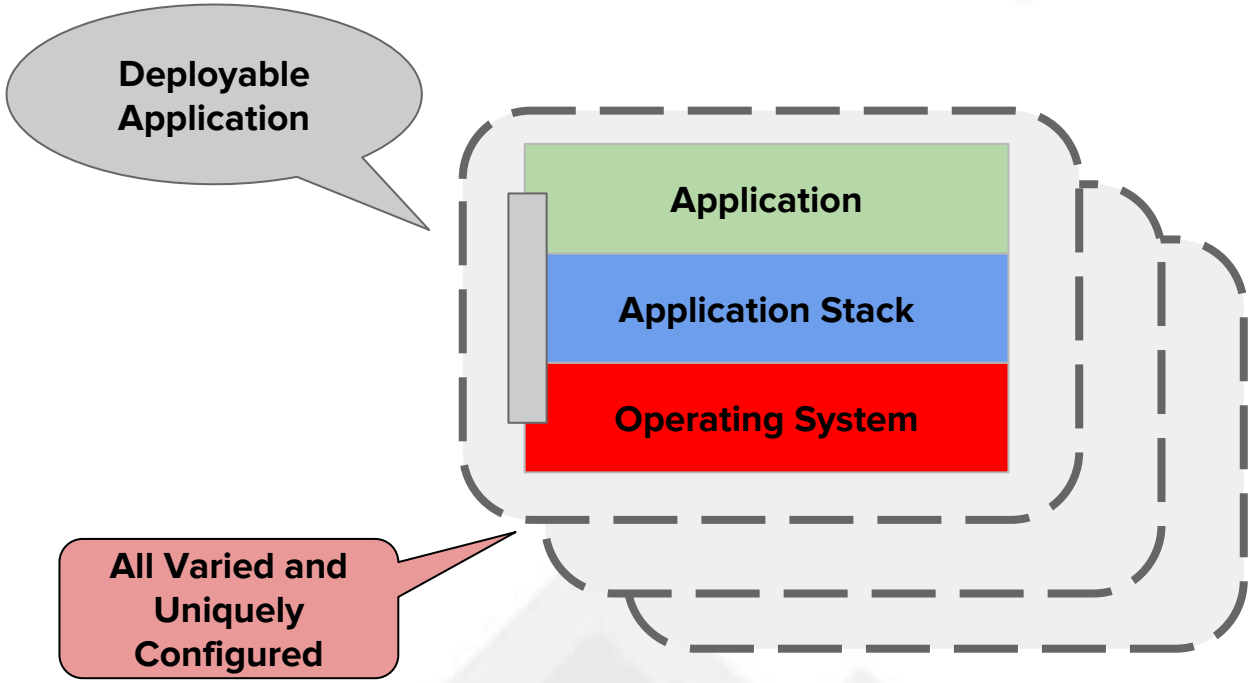
New Approach for Achieving DevOps: Container Currency



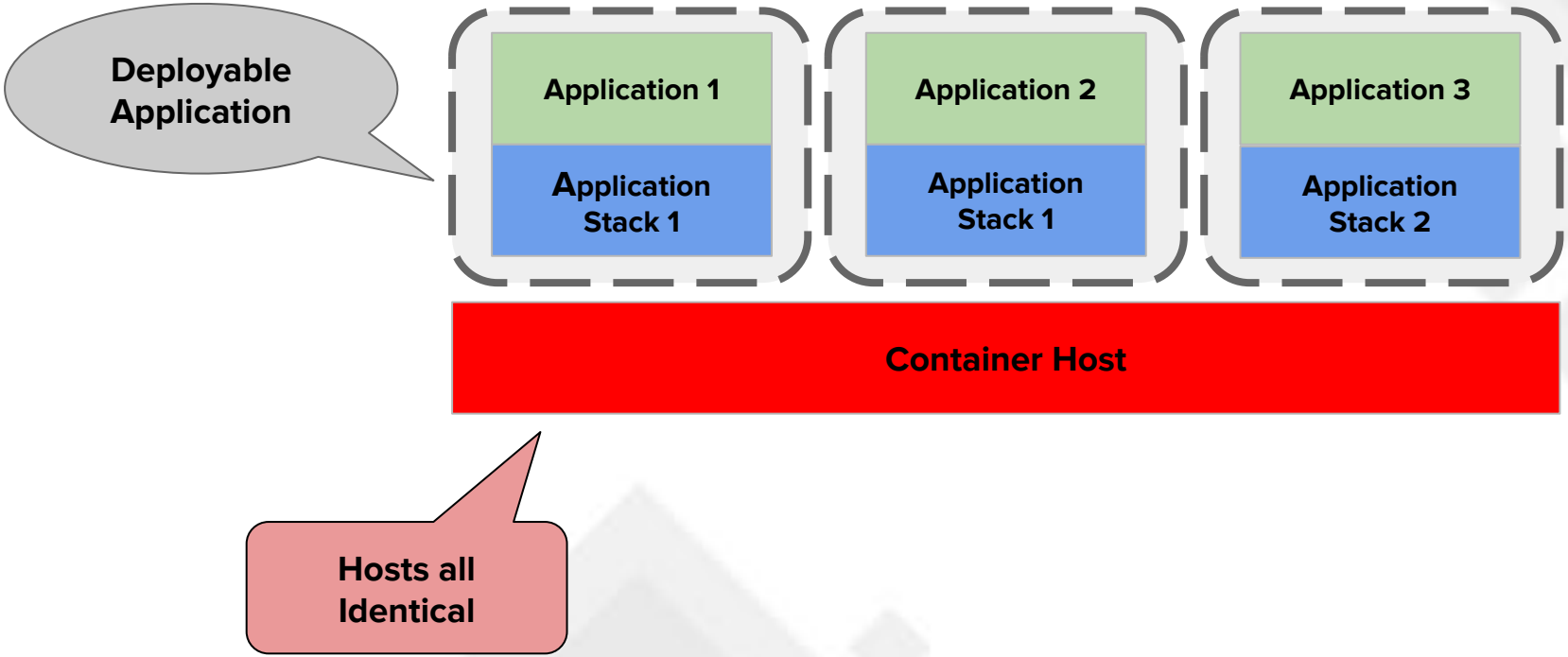
With the advent of Container technologies and the evolution of the Docker and Kubernetes Open Source projects, the industry now has a set of tools that will revolutionise the way in which Applications are created, maintained and distributed.

OpenShift Container Platform is the Enterprise strength solution from Red Hat that makes these new technologies usable in an Enterprise and Production situation.

Traditional



Future


Deployable Application
Application 1
Application Stack 1
Application 2
Application Stack 1
Application 3
Application Stack 2
Container Host
Hosts all Identical

The Traditional Development Cycle

Development

Operations

Develop Code

Functional Tests

Non-functional Tests

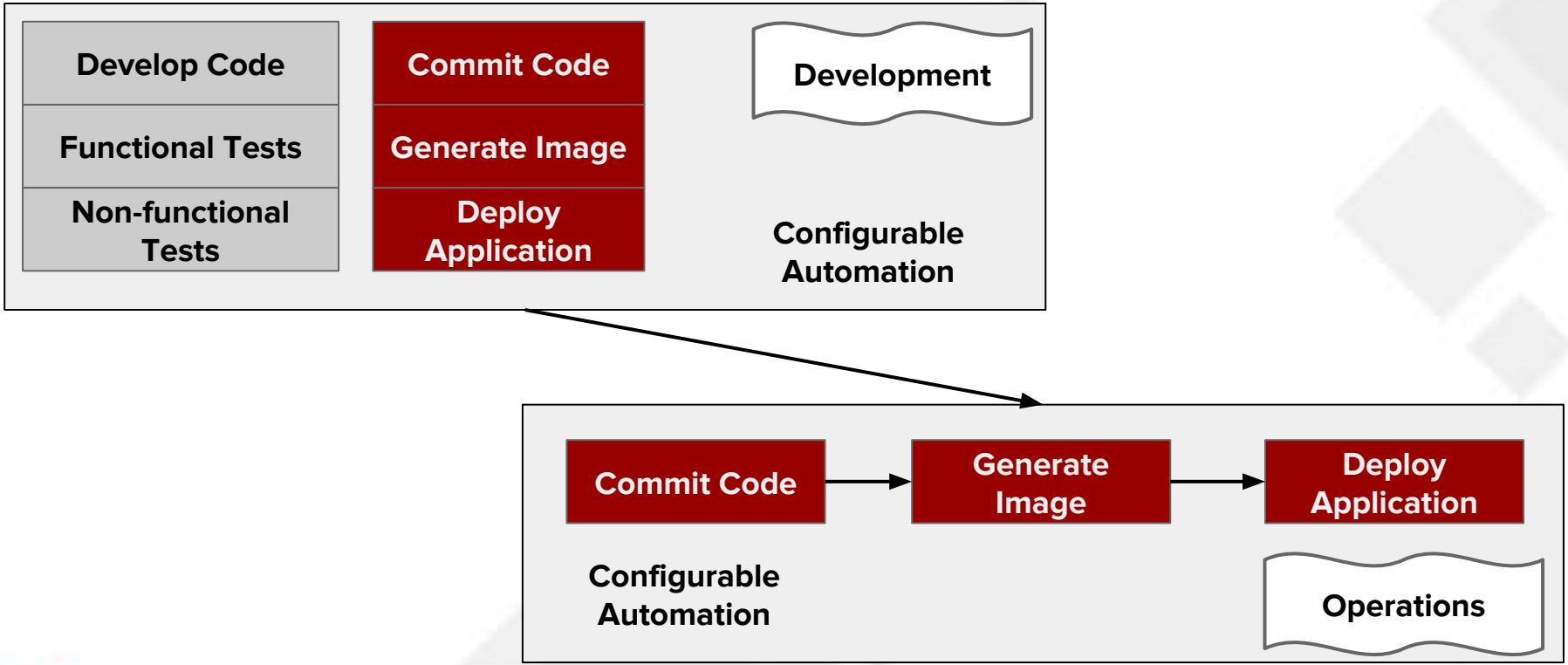
The Wall

Install OS

Install Stack

Install Application

The DevOps process using OpenShift



Configurable Automation

Automate as much or as little of the process as needed

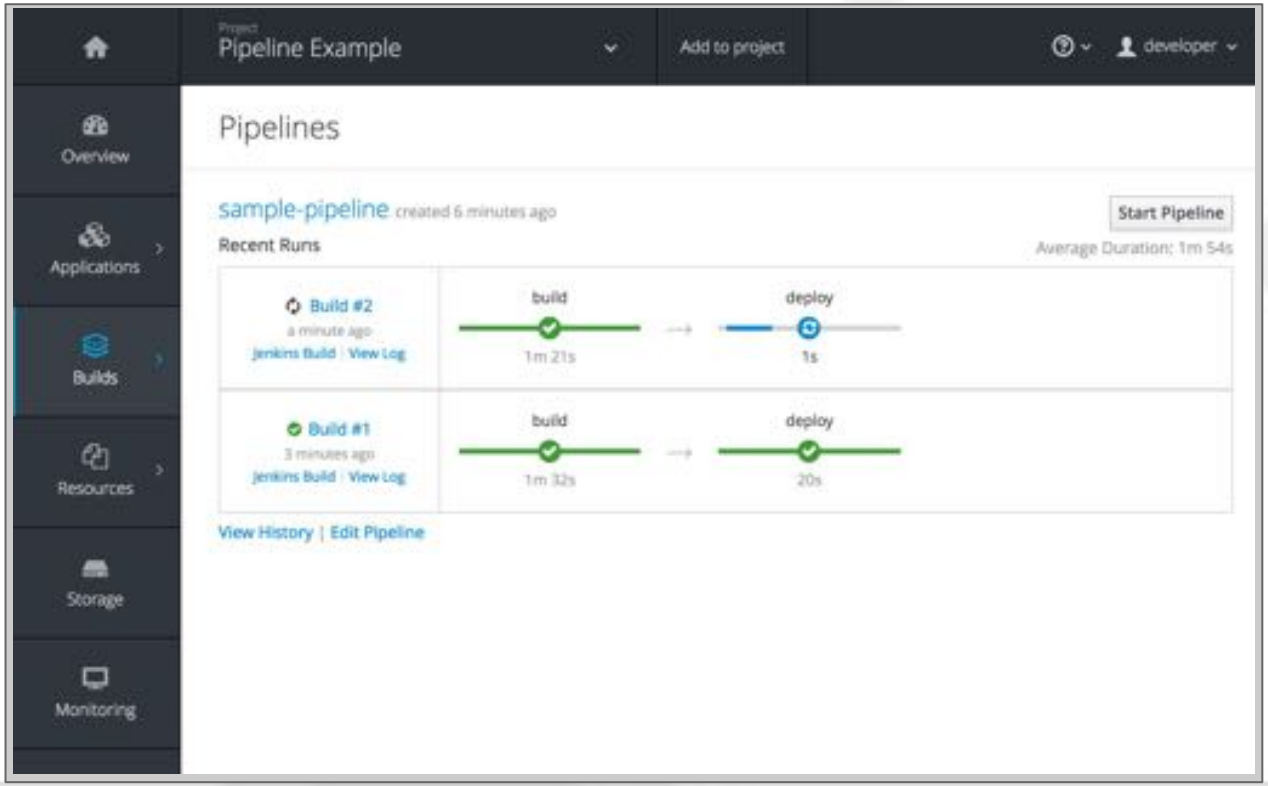
Implement Process Driven Pipelines

Allow for Stage-Gating within the Pipelines

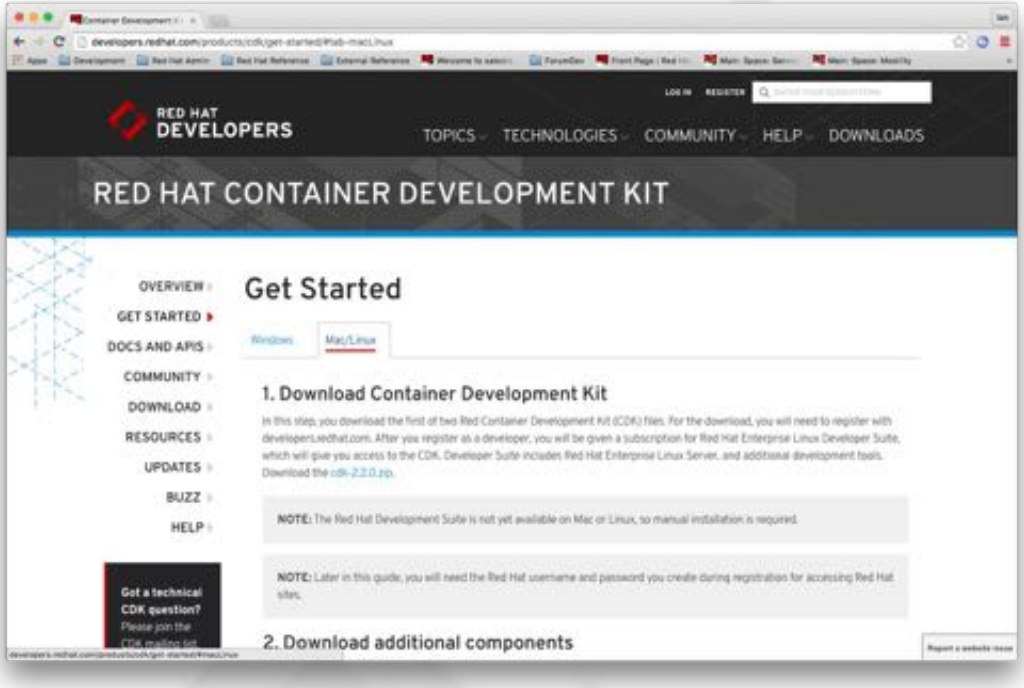
In the past, a manual process

With OpenShift, as automated as you need to be efficient

New in OpenShift - Pipelines



Don’t take my word for it: join the revolution *today*



http://developers.redhat.com/products/cdk/get-started

OpenShift Customers

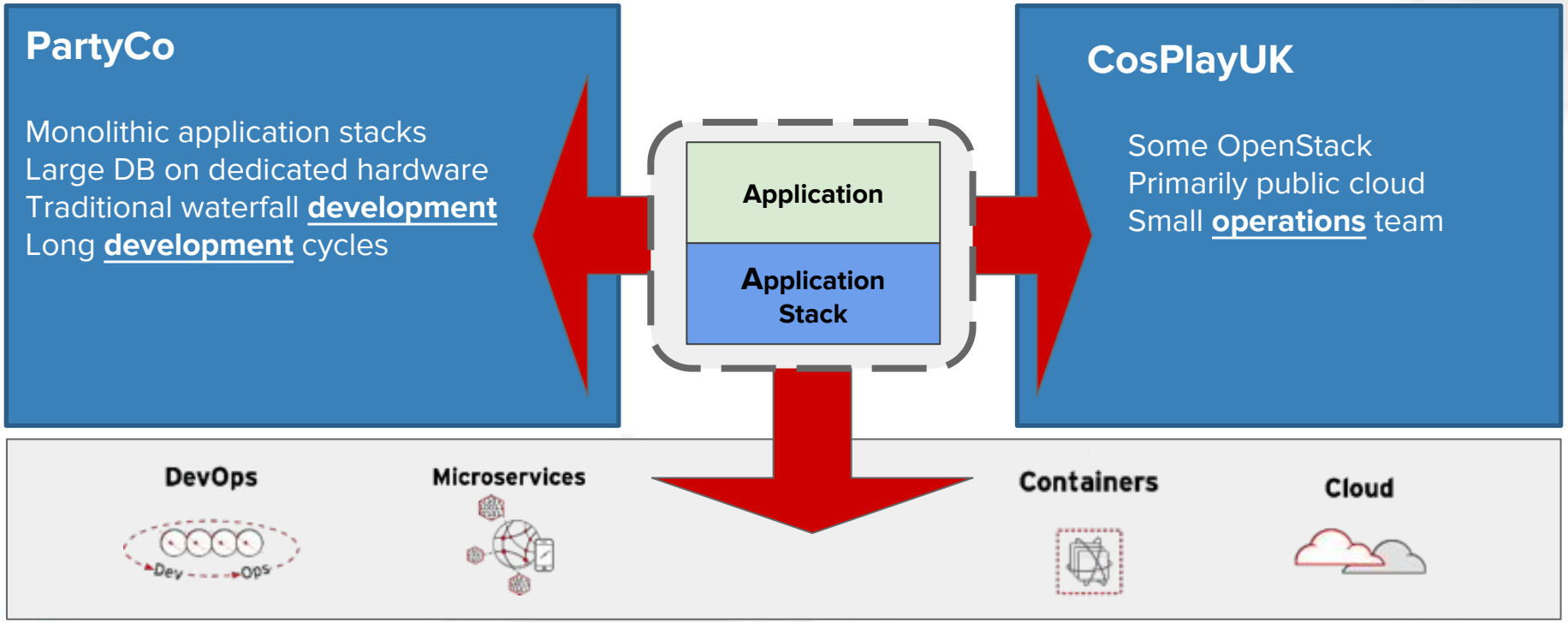
Highly available, self-service, automated cloud platform.

Using OpenShift, the bank's Open Experience developers can more quickly develop, host, and scale applications in a cloud environment.

With OpenShift, LeShop.ch now has an efficient and scalable platform for developing, running, and operating its online supermarket across a hybrid cloud environment.

Uses OpenShift to power the PaaS component of their Cloud Integration Center offering. This serves as a platform for the configuration, management, and provision of cloud services in the T-Systems cloud.

Key Takeaways



Monthly TechTalk Series

October 26th	An introduction to 3Scale and API Management
November 23rd	EAP 7 and A-MQ 7. JEE and core
December 13th	RHEL, RHEV, Atomic and OpenStack
January 25th	Software Defined Storage, Gluster, Ceph
February 22nd	Hybrid Cloud Architectures and Cloudforms

All @ Red Hat Monument Office – Morning and Evening sessions

https://www.redhat.com/en/about/events/tech-talks-uk

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