Red Hat Cloud Guide to All Things xPaaS

Eric D. Schabell
JBoss Technology Evangelist (Integration & BPM)

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What are we talking about?
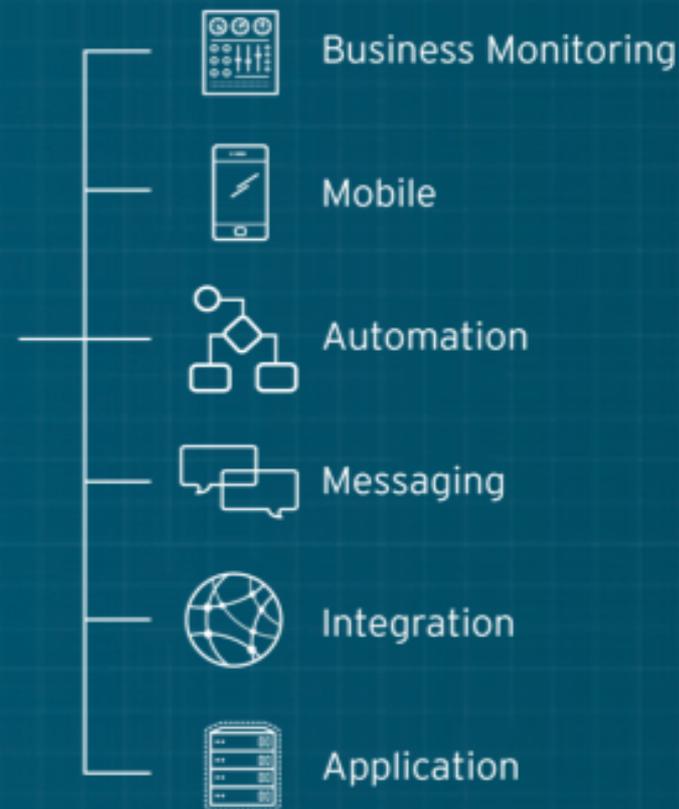
xPaaS Services for OpenShift

Unifying platform

Build, deploy, provision and
manage modern enterprise
applications

Built on OpenShift with
JBoss Middleware

Increases builder
productivity across the
platform's capabilites

xPaaS

- Business Monitoring
- Mobile
- Automation
- Messaging
- Integration
- Application

aPaaS

Application Platform as a Service

- JBoss EAP 6
  - cloud ready
  - service oriented components
  - optimized for mulitcore, virtualized, and cloud environments
  - low memory footprint
  - quick startup

Enterprise Application Platform

Market-leading open source Java EE platform for modern, highly-scalable, secure, transactional applications. Build and deploy enterprise Java applications in the cloud using Java EE, Spring or your choice of Java framework.

More Information

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aPaaS

JBoss EAP 6 cartridge

- JBoss Business Optimizer

  - http://optimizer-inthe.rhcloud.com

- Mobile Conference Registration

  - http://jaxlondon-inthe.rhcloud.com

- End-to-end JEE...

  - IDE tooling

  - Jenkins CI testing

  - scaling deployments

iPaaS

Integration Platform as a Service

- JBoss Fuse 6
    - integration services in cloud
    - span hybrid on-premise & cloud environments
    - cloud based interface
        - configuring integration routes & transformations
        - container choice - cloud & non-cloud endpoints
        - reliable messaging - (JBoss A-MQ) hosted in cloud or on-premise

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iPaaS

Fuse

The JBoss Fuse enterprise service bus is technology for building and implementing communication between different applications, services, and data. It is specifically designed for extensive connectivity.

More Information | FAQs | Getting Started

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JBoss Fuse 6 cartridge

- JBoss Fuse Overview

  - https://www.openshift.com/developers/jboss-fuse

- JBoss Fuse Quickstart

  - https://www.openshift.com/quickstarts/jboss-fuse-61

  - http://integration-inthe.rhcloud.com

- Using Red Hat JBoss Fuse on OpenShift (DevNation)

  - Wed, 16 April 2014 – 13:20 hrs (Jack Britton, Kenny Peeples)

    - http://www.devnation.org/#agenda

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- Login to console

- Dashboard overview

iPaaS

JBoss Data Virtualization 6 cartridge

- JBoss DV Overview

    - https://www.openshift.com/developers/jboss-data-virtualization

- JBoss DV Quickstart

    - https://www.openshift.com/developers/jboss-data-virtualization/getting -started

Data Virtualization

JBoss Data Virtualization is a technology which allows applications to use data from multiple heterogeneous data sources. It comprises tools and runtime services for creating and executing bi-directional data services.

More Information | FAQs | Getting Started

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bpmPaaS

BPM as a Service

- JBoss BPM Suite 6
    - cloud based process modeling
    - cloud based business activity monitoring (BAM)
    - dynamically configure data without changing code
    - advantages:
        - analysts start process automation projects faster / cheaper
        - eliminate hassel on-premise installations / deployments
        - analysts design business dashboards in cloud web-based drag-and-drop

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bpmPaaS

JBoss BPM Suite 6 cartridge

- JBoss BPM Suite Overview

  - https://www.openshift.com/developers/jboss-bpms

- JBoss BPM Suite Quickstart

  - https://www.openshift.com/developers/jboss-bpms/getting-started

- Check out JBoss BRMS & BPM Suite labs

  - http://summitlabs-inthe.itos.redhat.com

  - http://www.schabell.org/2014/03/redhat-jboss-brms-online-workshop-coolstore-intro-lab1-2.html

Business Process Management

JBoss BPM Suite provides business users and developers with powerful and intuitive tools to capture business processes, policies and rules and configure advanced business reporting, to obtain process-based applications that can be modified with agility in response to the business needs.

More Information | FAQs | Getting Started

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mPaaS

Mobile Platform as a Service

- Based on Aerogear project
  - cloud enabled unified push server
  - data encryption for secure comm between devices
  - data synchronization for offline device usage

Unified Push Server

The Unified Push Server allows developers to send native push messages to Apple's Push Notification Service (APNS) and Google's Cloud Messaging (GCM). It features a built-in administration console that makes it easy for developers to create and manage push related aspects of their applications for any mobile development environment.

More Information

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- Login to Unified Push Sever

- Unified Push Sever dashboard

mPaaS

JBoss Mobile Push Server cartridge

- Aerogear Quickstart
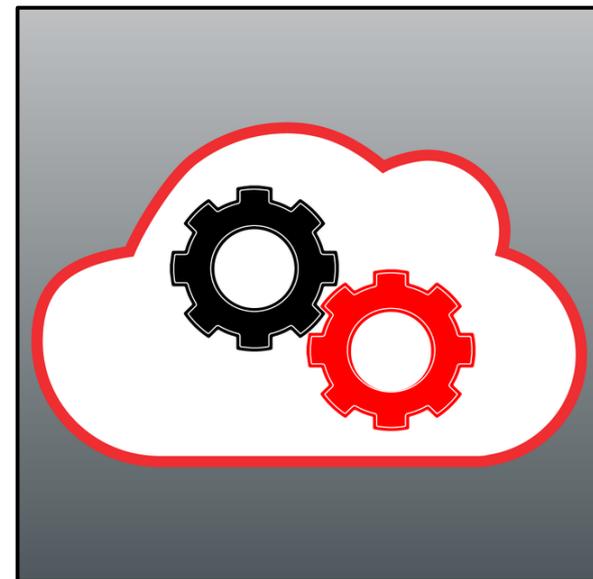 - https://www.openshift.com/quickstarts/aerogear-push-0x

- JBoss BPM Suite getting started articles / demos:
  - http://www.schabell.org/2013/10/jboss-bpm-suite-rocking-the-mortgage-demo.html
  - http://www.schabell.org/2013/11/jboss-bpm-suite-automated-lending-generic-loan-demo.html
  - http://www.schabell.org/2013/12/bpms-examining-migrated-customer-evaluation-demo.html
  - http://www.schabell.org/2013/12/openshift-primer-business-resource-optimizer.html
  - https://www.openshift.com/xpaas
- JBoss xPaaS Demo Projects:
  - https://github.com/eschabell/cartridge-bpmPaaS
  - https://github.com/eschabell/cartridge-bpmPaaS-generic-loan-demo

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Red Hat xPaaS Extra

OpenShift Mobile

- Mobile application for managing OpenShift

- Multi-platform support iOS

- Features

  - Full application lifecycle support

  - User management

- Get involved!

  - http://www.openshiftmobile.com

Red Hat xPaaS Extra

- Control Applications

- View Application and Cartridge Status

Questions?

Eric D. Schabell
JBoss Technology Evangelist (Integration & BPM)
@ericschabell / http://schabell.org

Andrew Block
Red Hat Consulting

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