
RED HAT
SUMMIT
LEARN. NETWORK.
EXPERIENCE OPEN SOURCE.
June 11-14, 2013
Boston, MA
redhat.

Loosely Coupled, Reusable & Interoperable

JBoss Integration Overview and Roadmap

Keith Babo
Jack Britton
Alan Santos
Red Hat, JBoss Product Management

Agenda

JBoss Integration History
Product Line Overview
Q&A

JBoss ESB

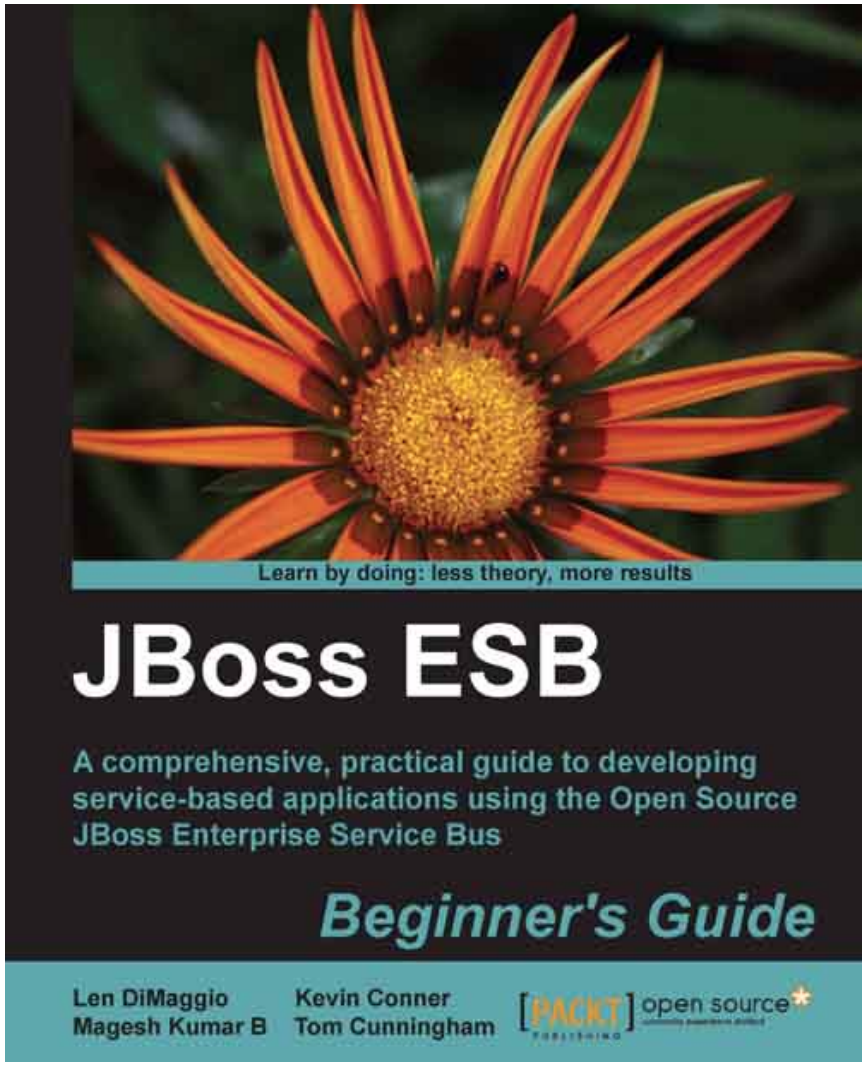
Red Hat SOA Platform 4-5 based on "JBoss ESB"

Well adopted, proven and functional

Non-standard design

Steep learning curve, limited tools

Difficult to effectively monitor/manage



JBoss Integration 2012

Customer Feedback

"Reduce complexity and learning curve"
"Improve monitoring/visibility"
"Difficult to maintain"

5.X Technical Direction

SOA 5.latest – Added Camel Gateways, Improved Monitoring

Fuse Acquisition

Red Hat to Acquire FuseSource

Raleigh

June 27, 2012

Open source integration and messaging provider will enhance Red Hat's JBoss middlewar

RALEIGH, N.C. – June 27, 2012 – Red Hat, Inc. (NYSE: RHT), the world's leading provide

JBoss Integration 2012

Product Goals

Accessible,
Service Centric
Operational Control/Visibility,

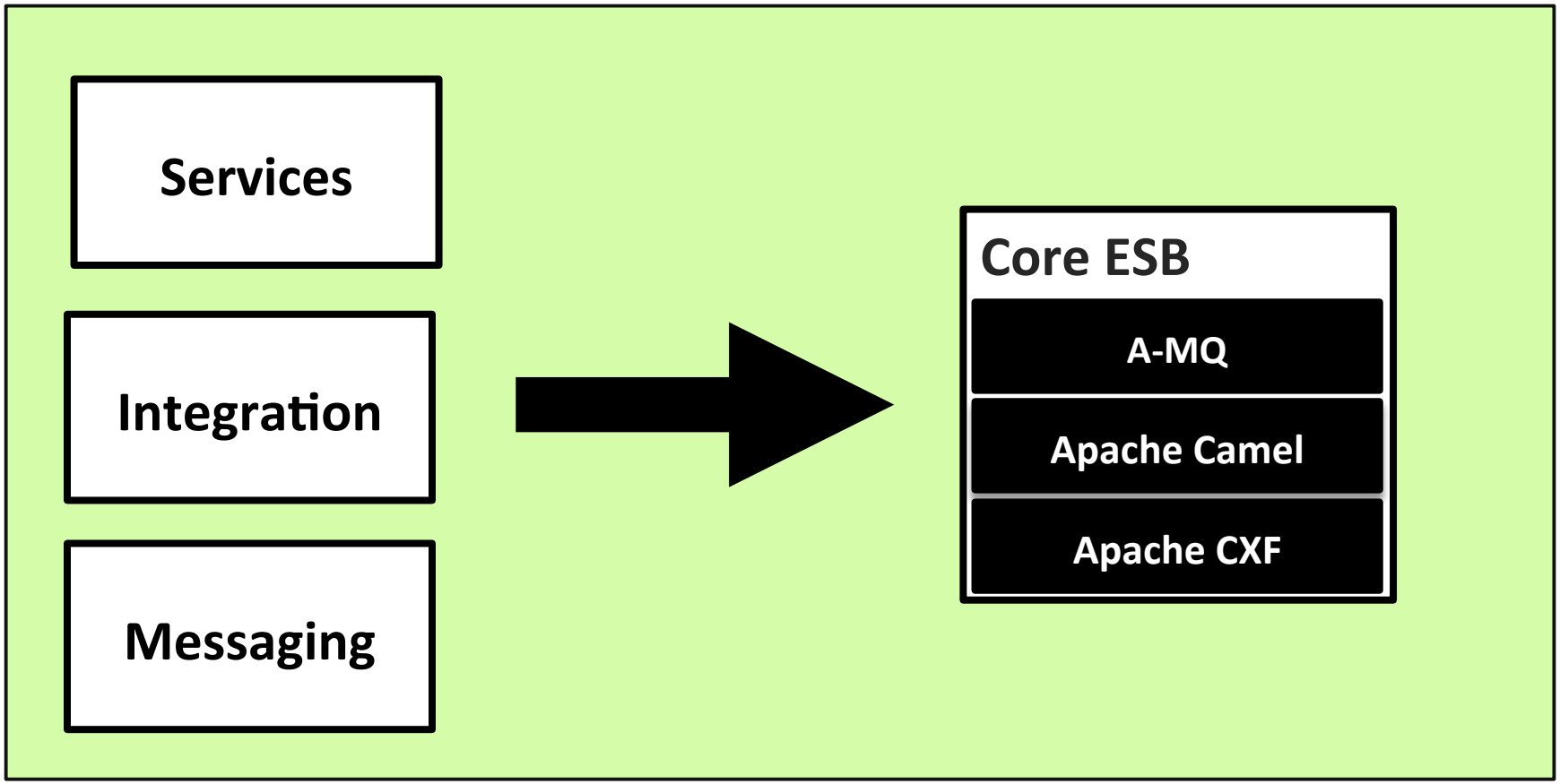
New Users

FuseSource acquisition

New Technology

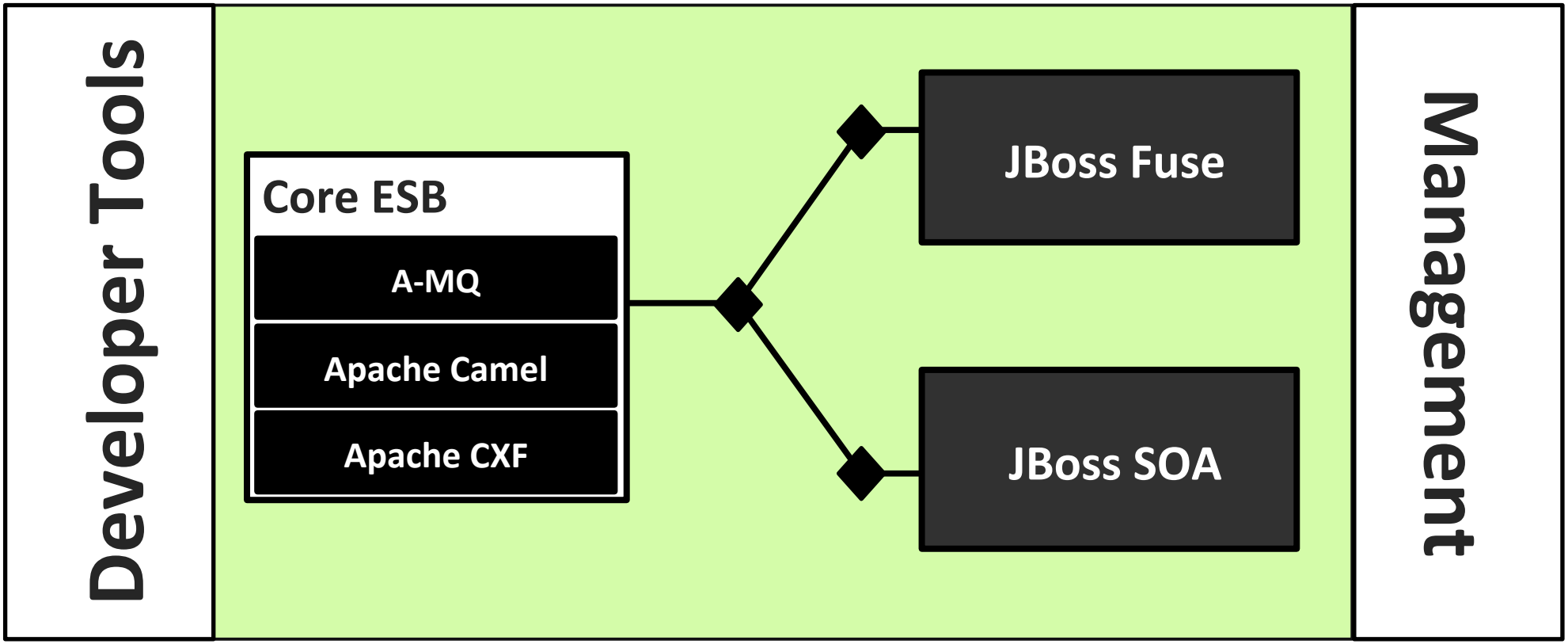
Light Weight, Fast, Manageable

A new ESB foundation



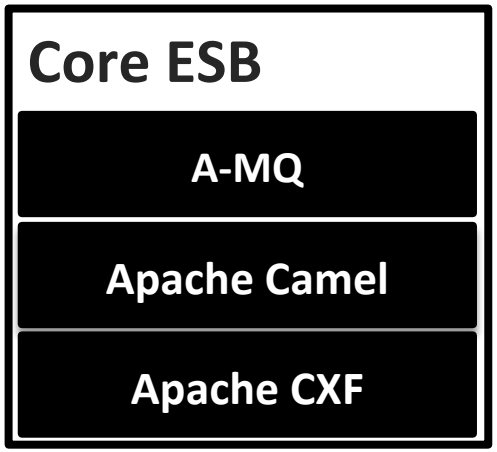
"…a software architecture model used for designing and implementing the interaction and communication between mutually interacting software applications…"

Fuse product line

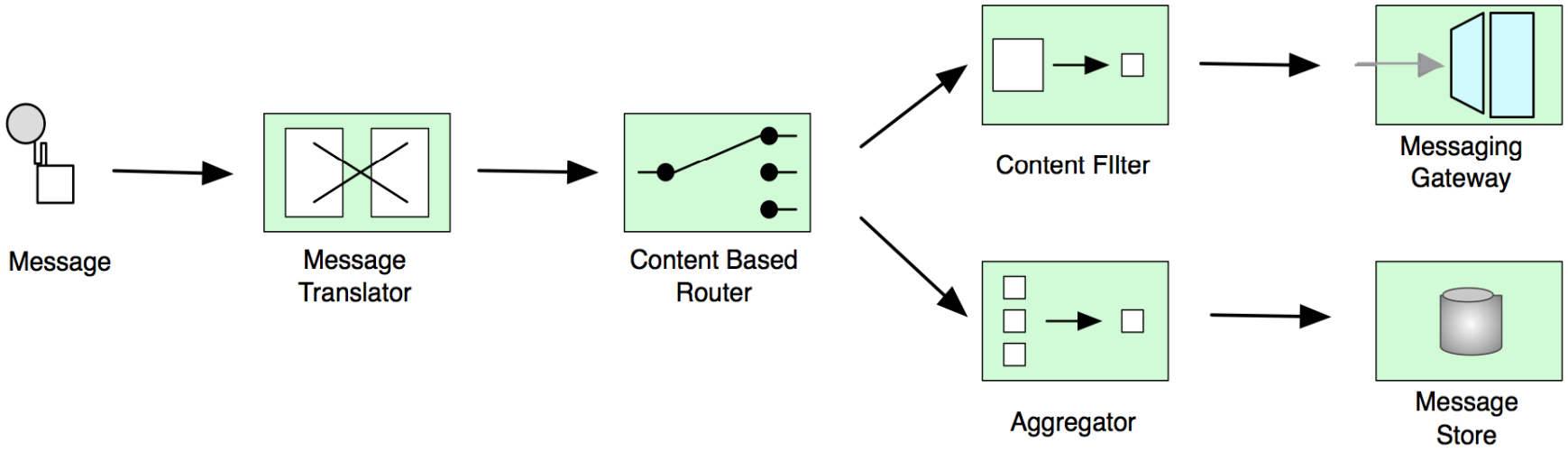


1 ESB, 2 products, tiered functionality

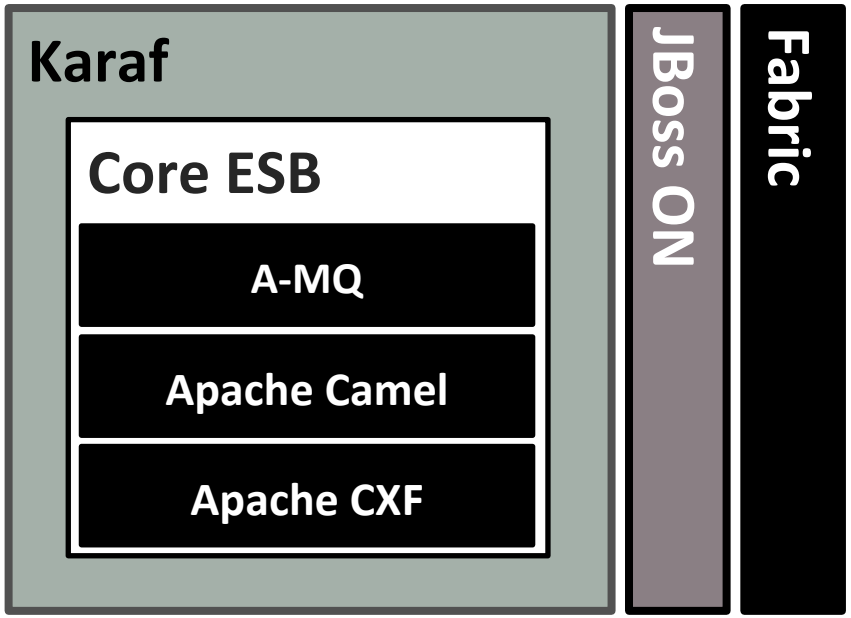
Core ESB



Simple, extensible service framework



JBoss Fuse



The de-facto, open source ESB

Apache technology and license

EIP as a first-order concept

Simplifies
Integration, Transformation, Mediation

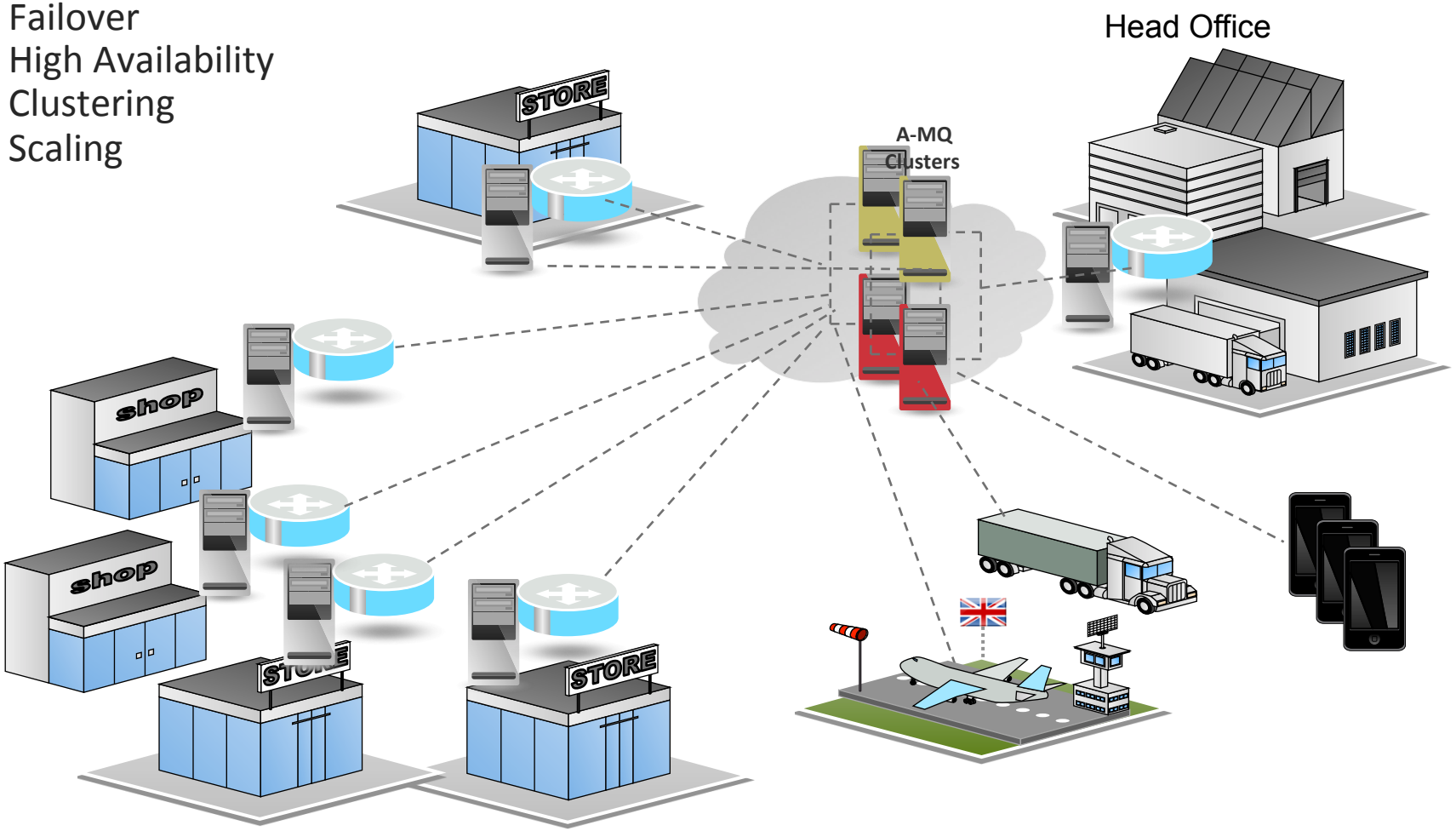
Built for developers, emphasizing code/configuration

OSGI

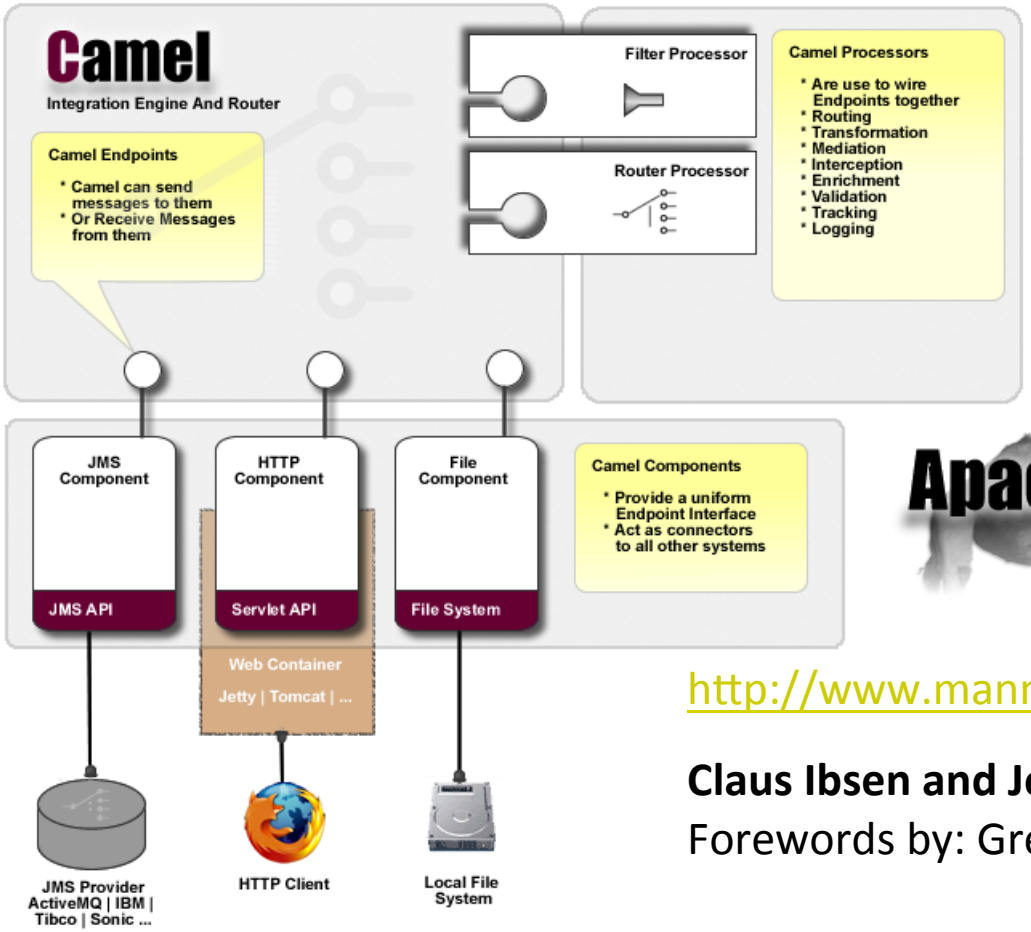
Management via Fabric and JON

Core ESB - ActiveMQ

- Failover
- High Availability
- Clustering
- Scaling



Core ESB - Camel



http://www.manning.com/ibsen/

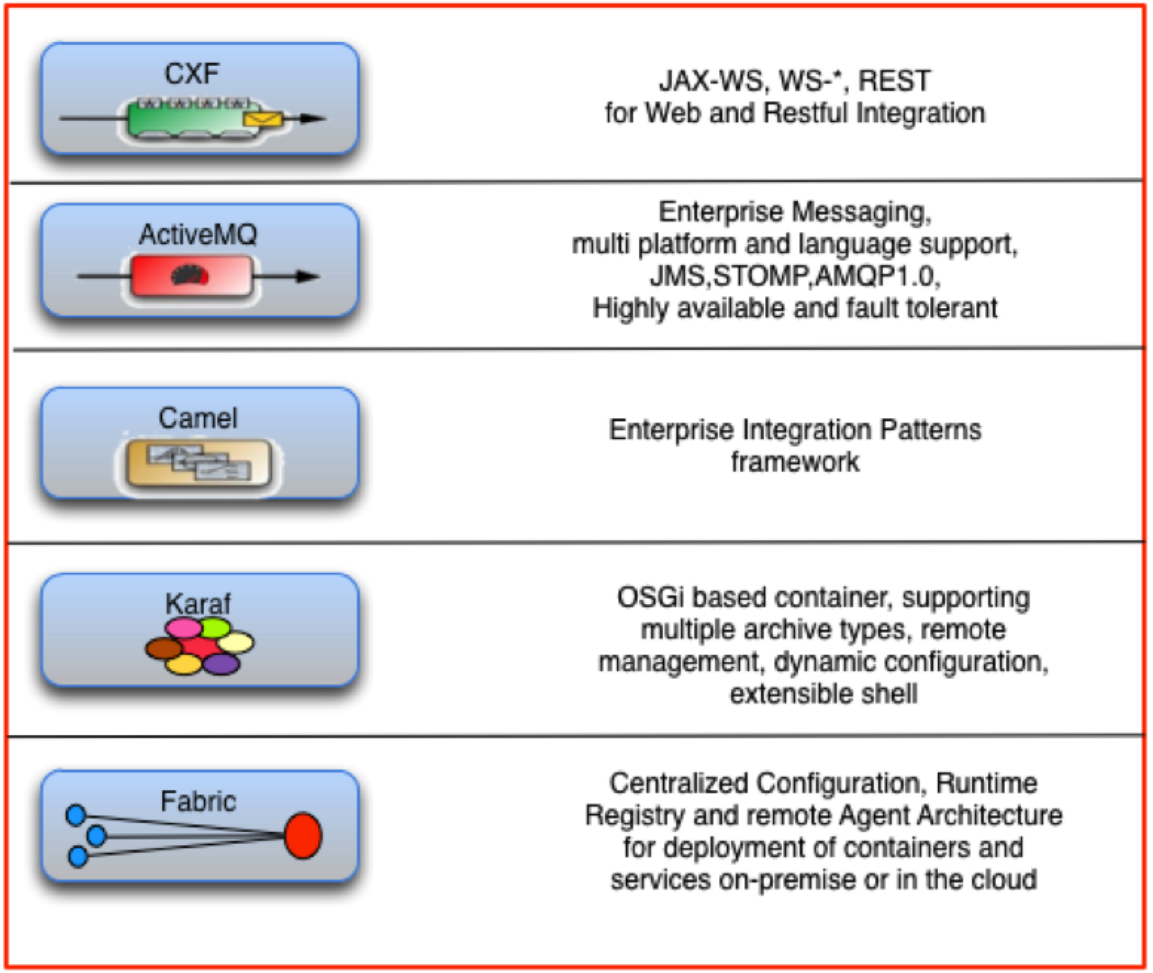
Claus Ibsen and Jonathan Anstey

Forewords by: Gregor Hohpe and James Strachan

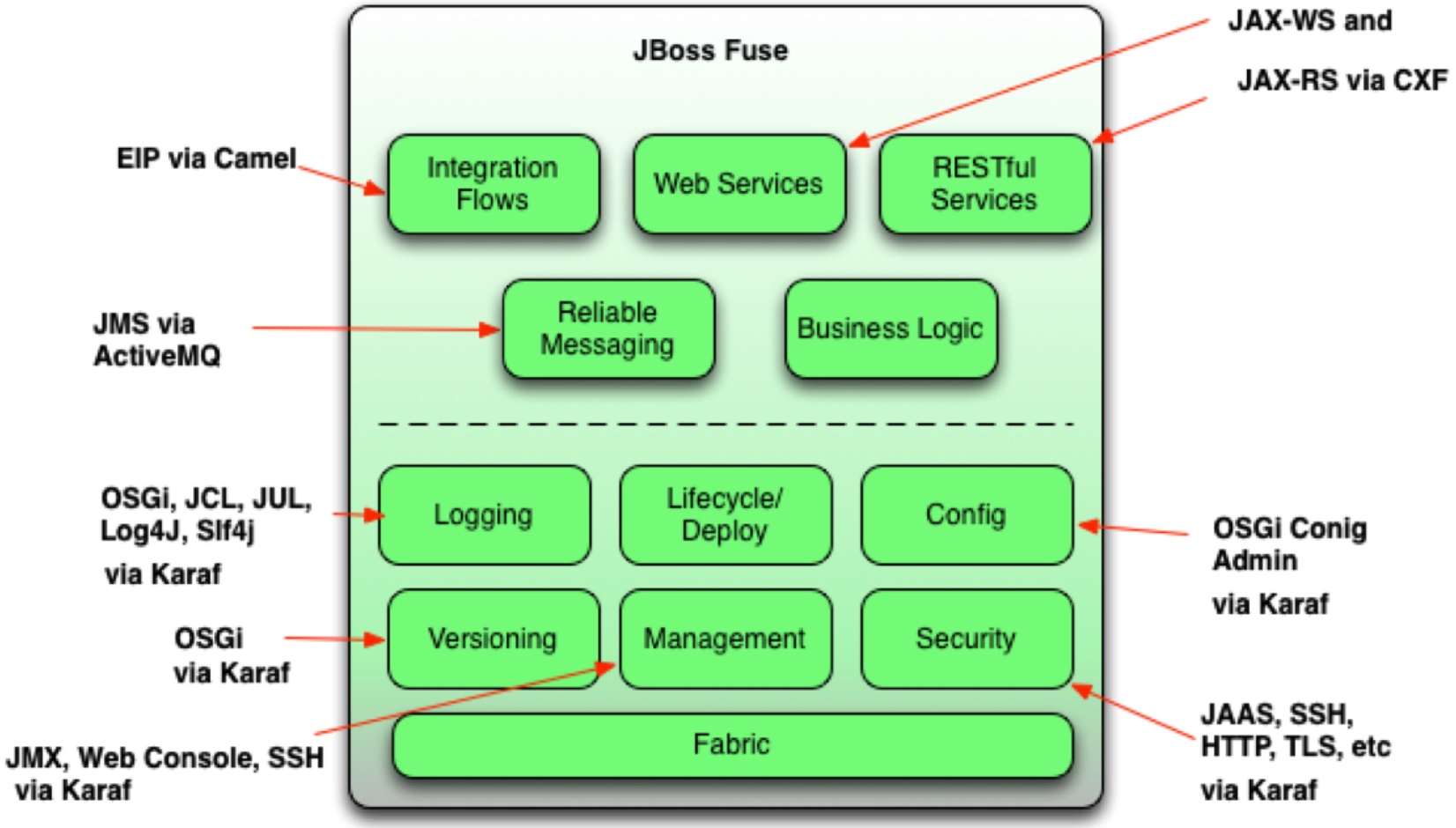
Core ESB - CXF

- Leading open source web services stack for Java
- Most flexible approach
  - Configure using annotations
  - Manipulate configuration directly in code
  - Great integration with Apache Camel
- Very active development team, fast bug fixes and enhancements
  JAX-WS and JAX-RS Certified
- DOSGi reference implementation of OSGi Remote Services Specification
- Used by FuseSource, JBoss, WS02, Paramiti, MuleSoft,Talend, TomEE etc.
- Used by Google, TomTom

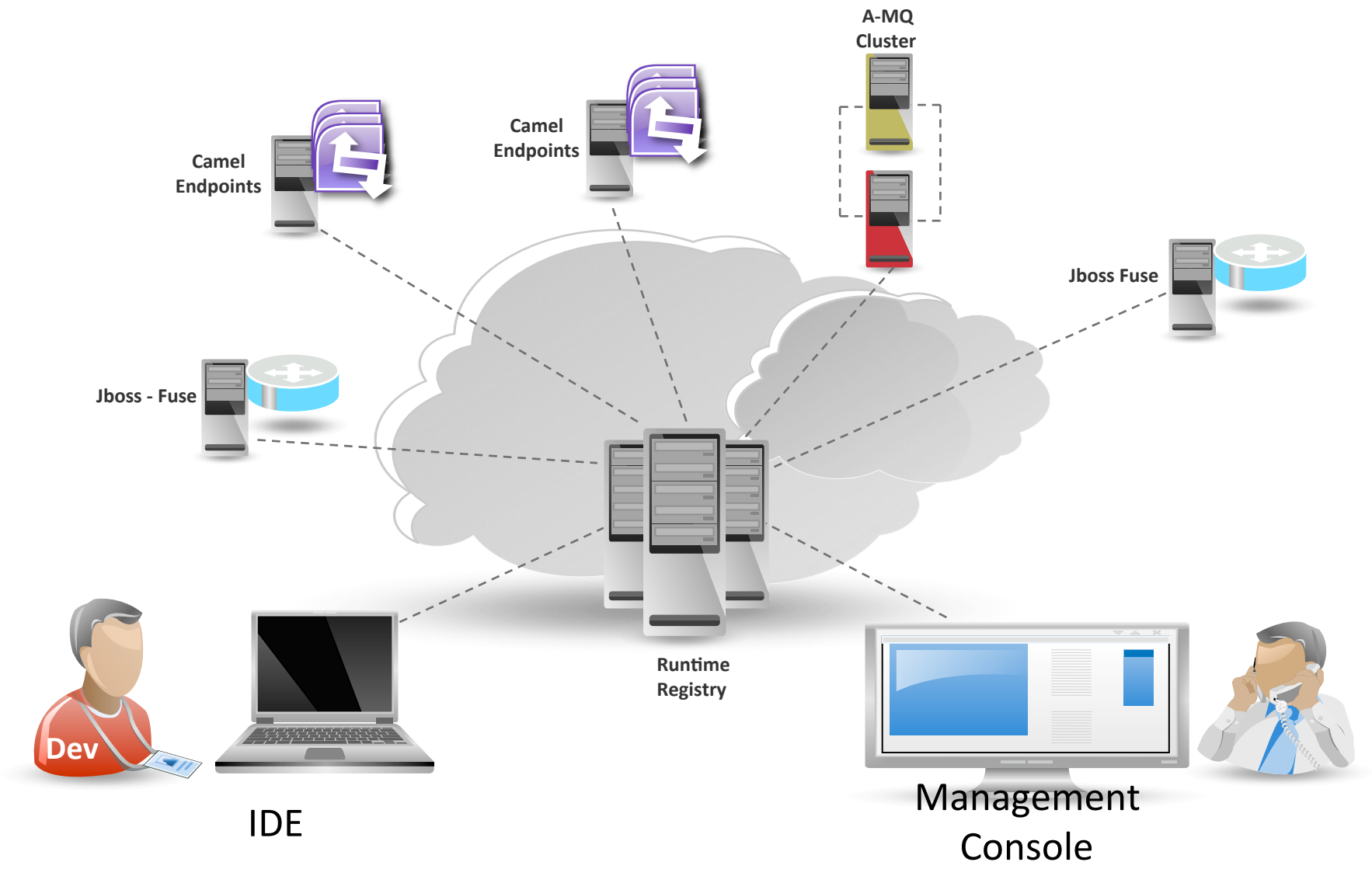
JBoss Fuse – Key Projects



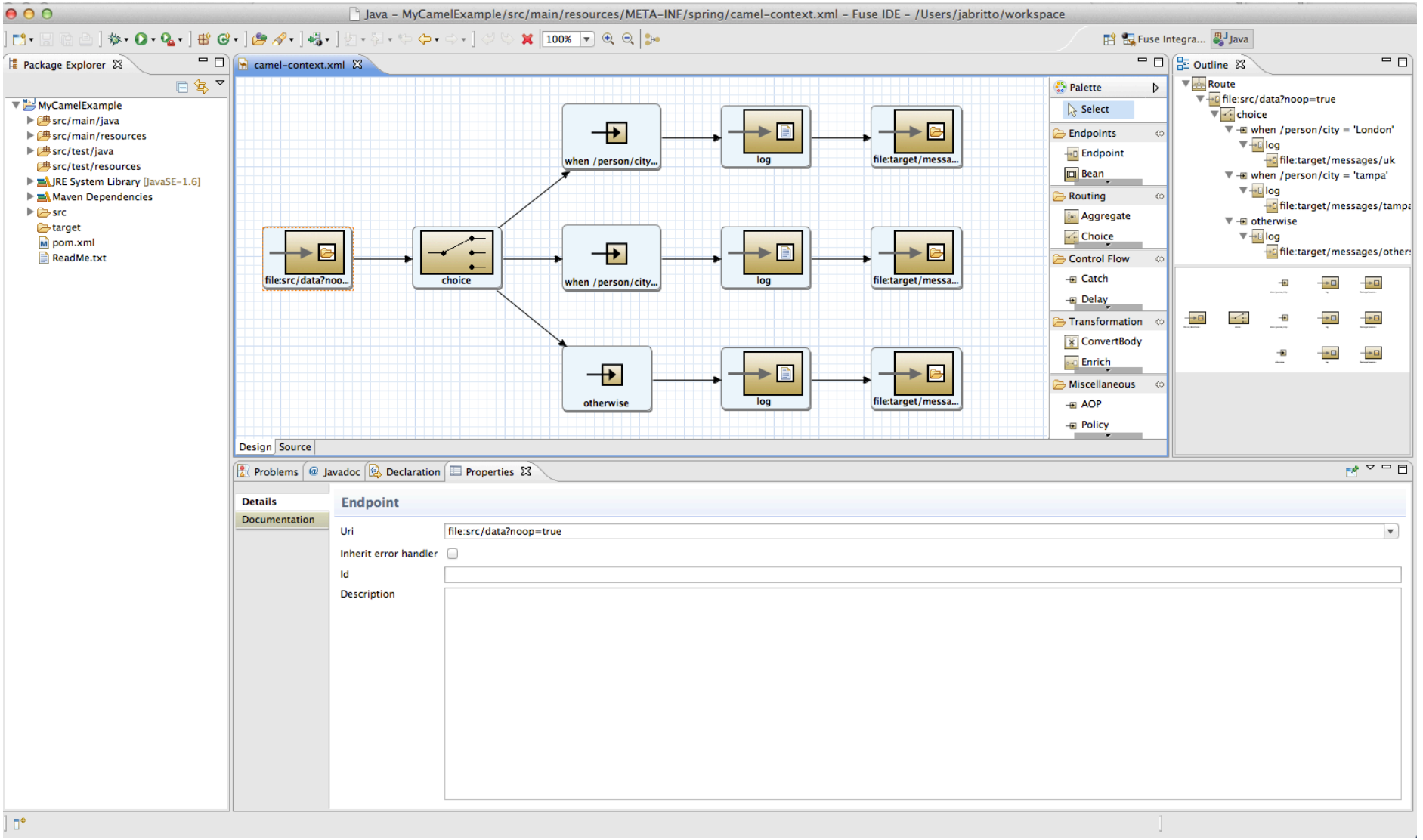
JBoss Fuse - Karaf



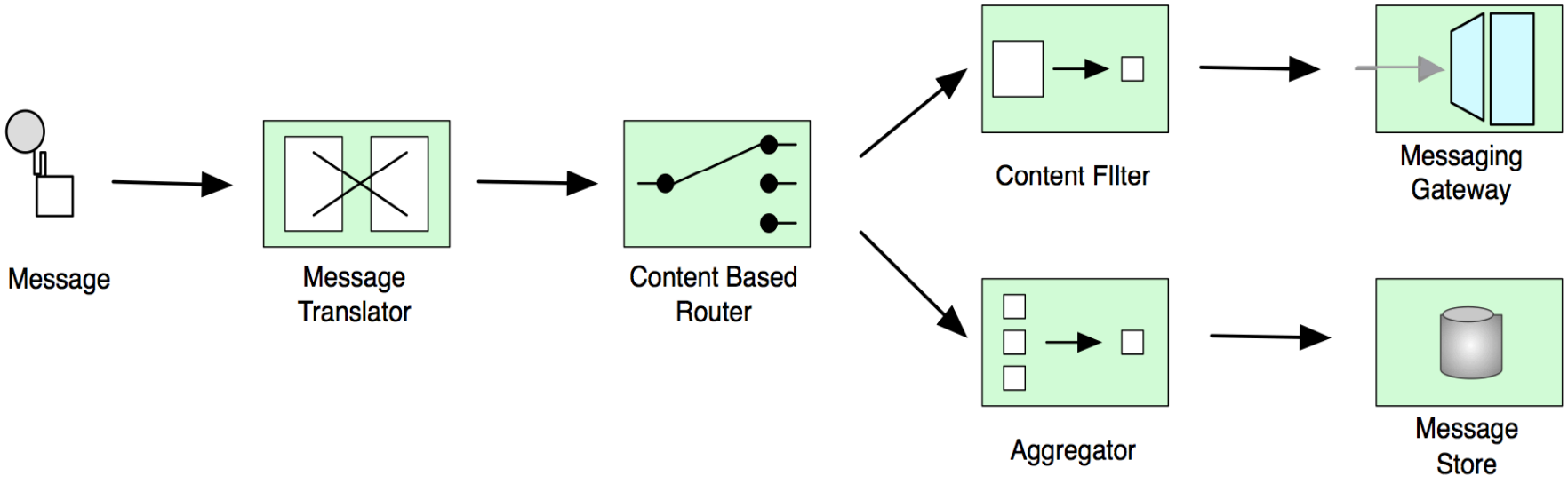
JBoss Fuse - Fabric



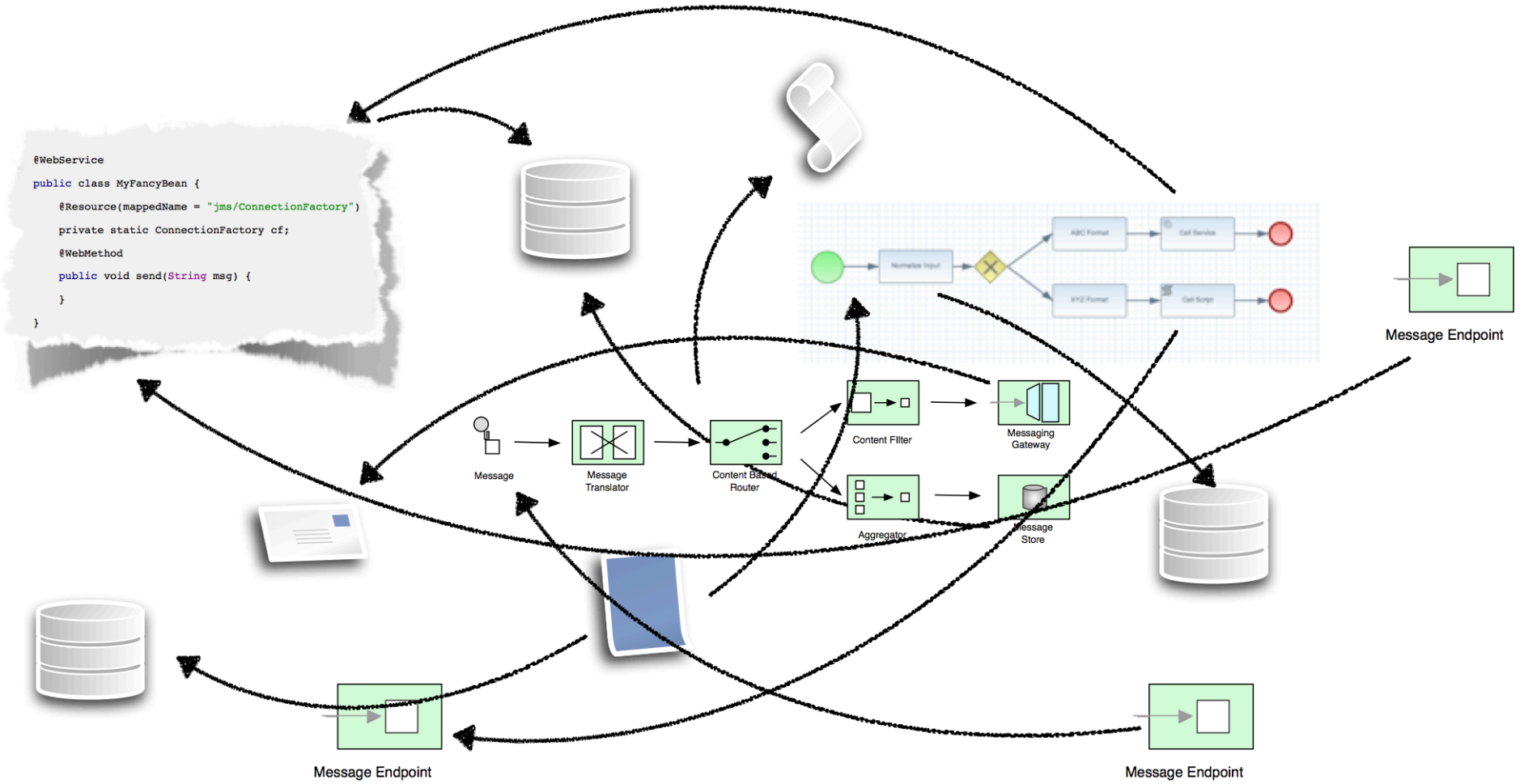
JBoss Fuse – Visual Development



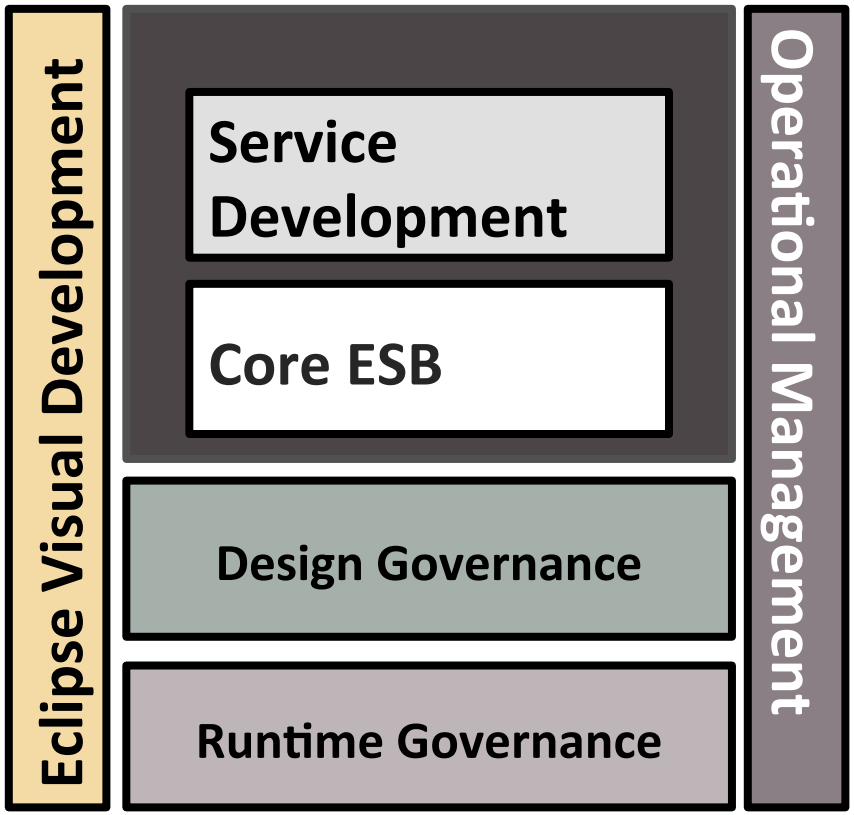
Simplicity is good



Reality isn't always simple



JBoss SOA Platform



Core ESB and EAP

Structured, service-oriented development model

Service development as a first-order concept

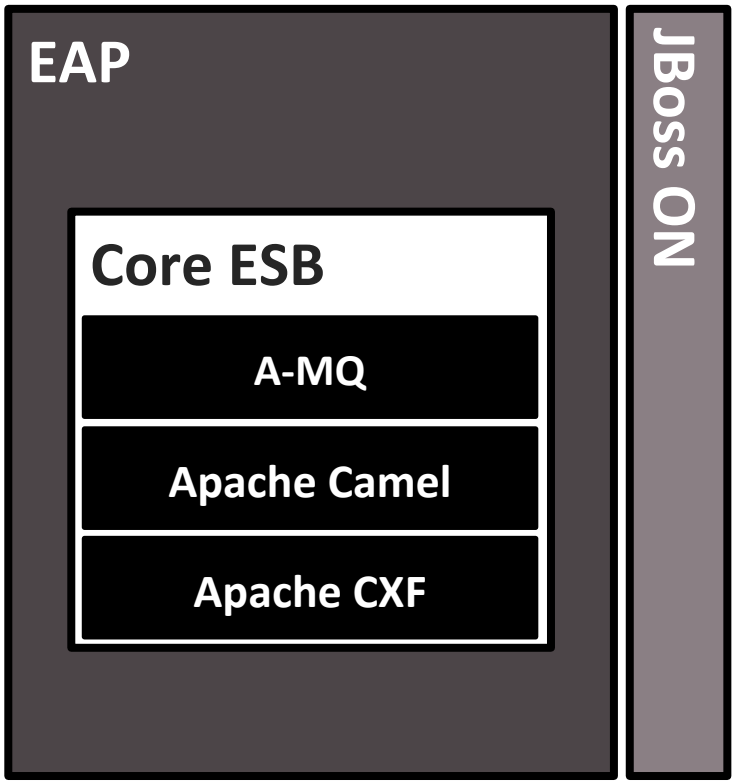
Code and model driven tooling

Simplified Service Lifecycle

Support for distributed, cross-functional teams

Functional equivalence with SOA 5

JBoss SOA Platform



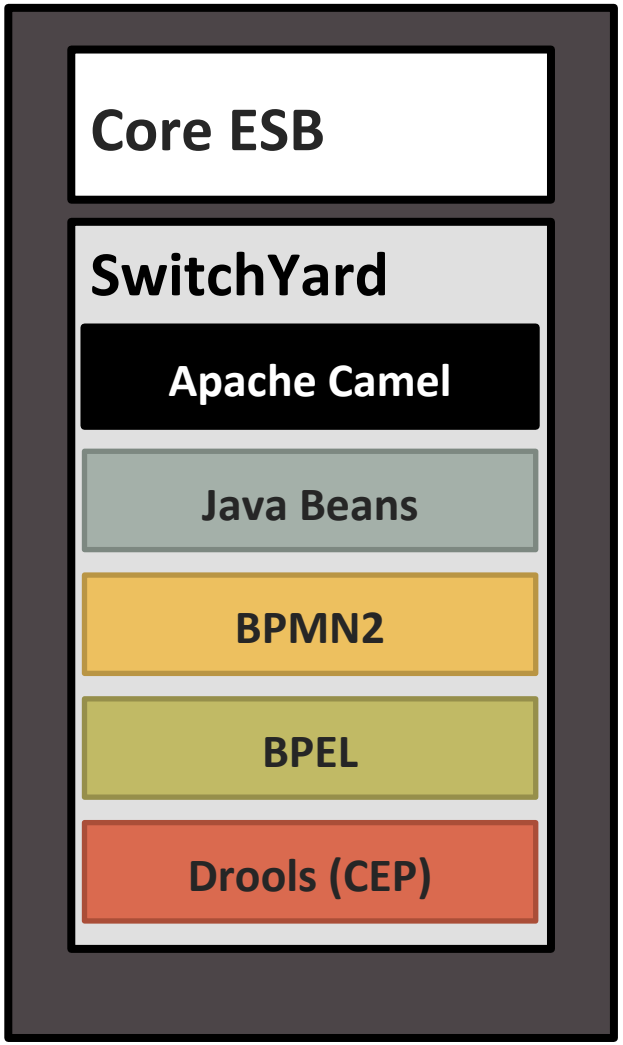
Core ESB running on EAP

Managed with base EAP capabilities or JBoss ON

Easy migration from Karaf to EAP

Choice of A/MQ or HornetQ

Complex Services, Simplified



Switchyard Video Series

Service First Development with Switchyard

Contract-based development for messages, policy, SLA

Dependency Management

Binding Abstractions for interfaces & endpoints

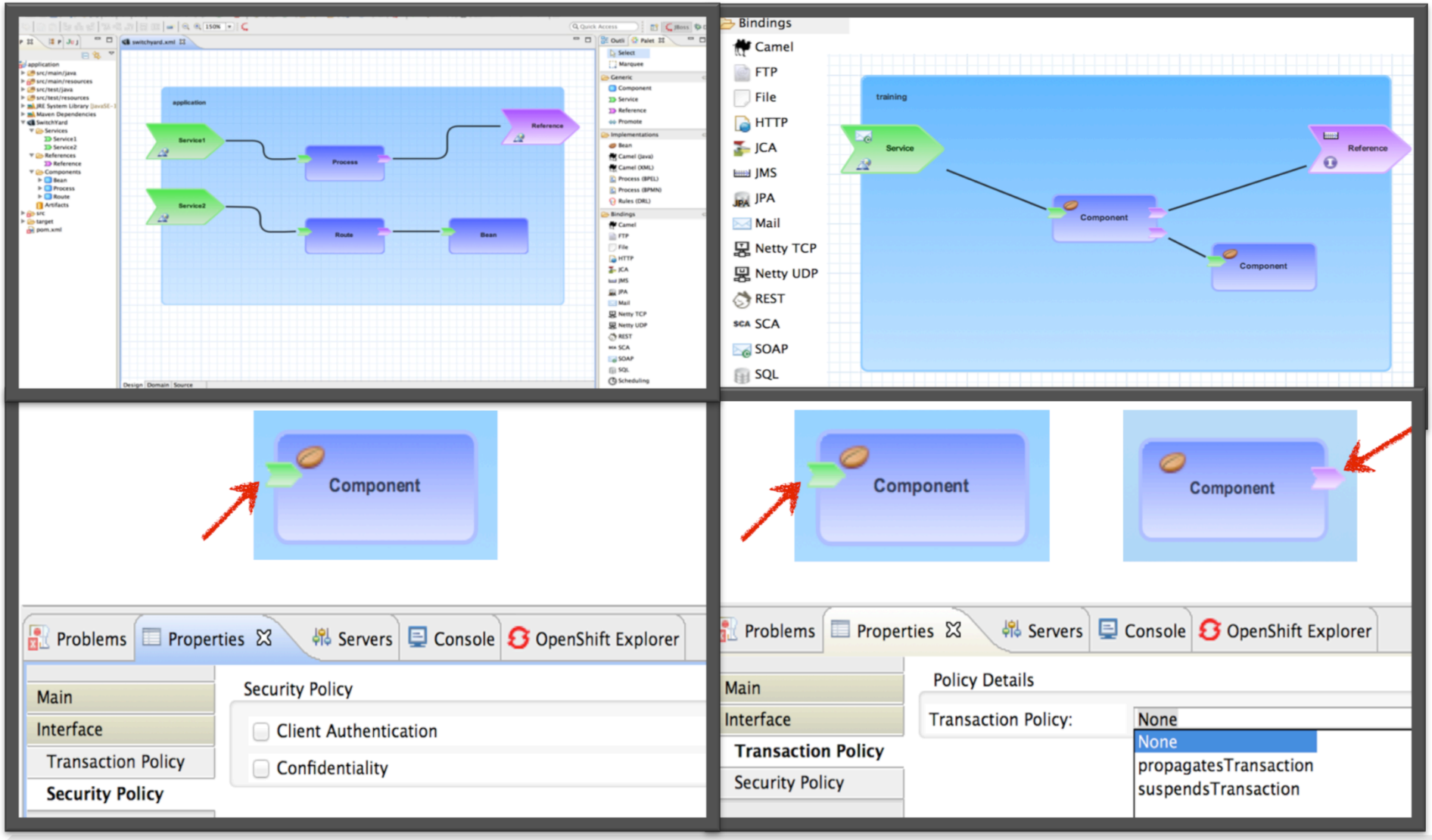
Declarative Transaction & Security Policy

Declarative Data Handling for transformation & validation

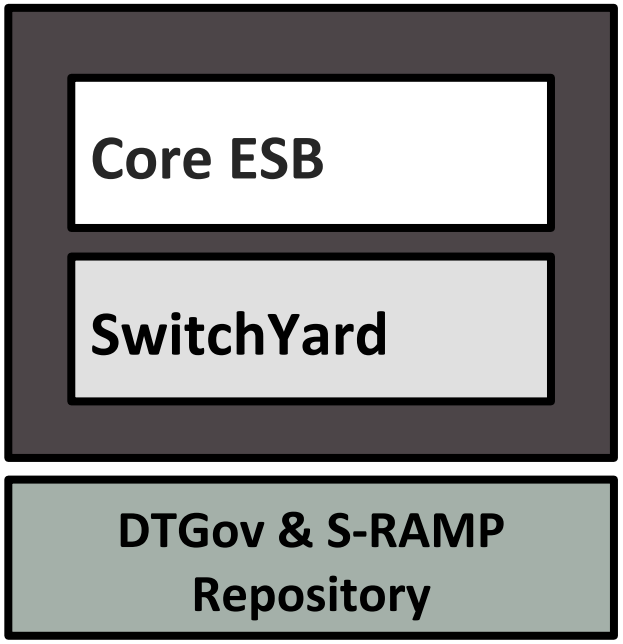
http://vimeo.com/jbossdeveloper

Visual development

Model focused visual development



Intelligent, Shared Repository



Service component and artifact registry based on Overlord DTGov & S-RAMP project

Store and publish services/policies across teams.

Notifications on content changes

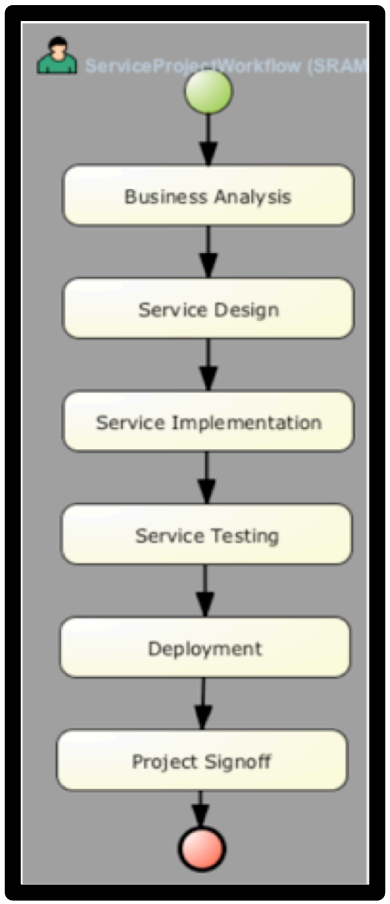
Track and Visualize artifact relationships

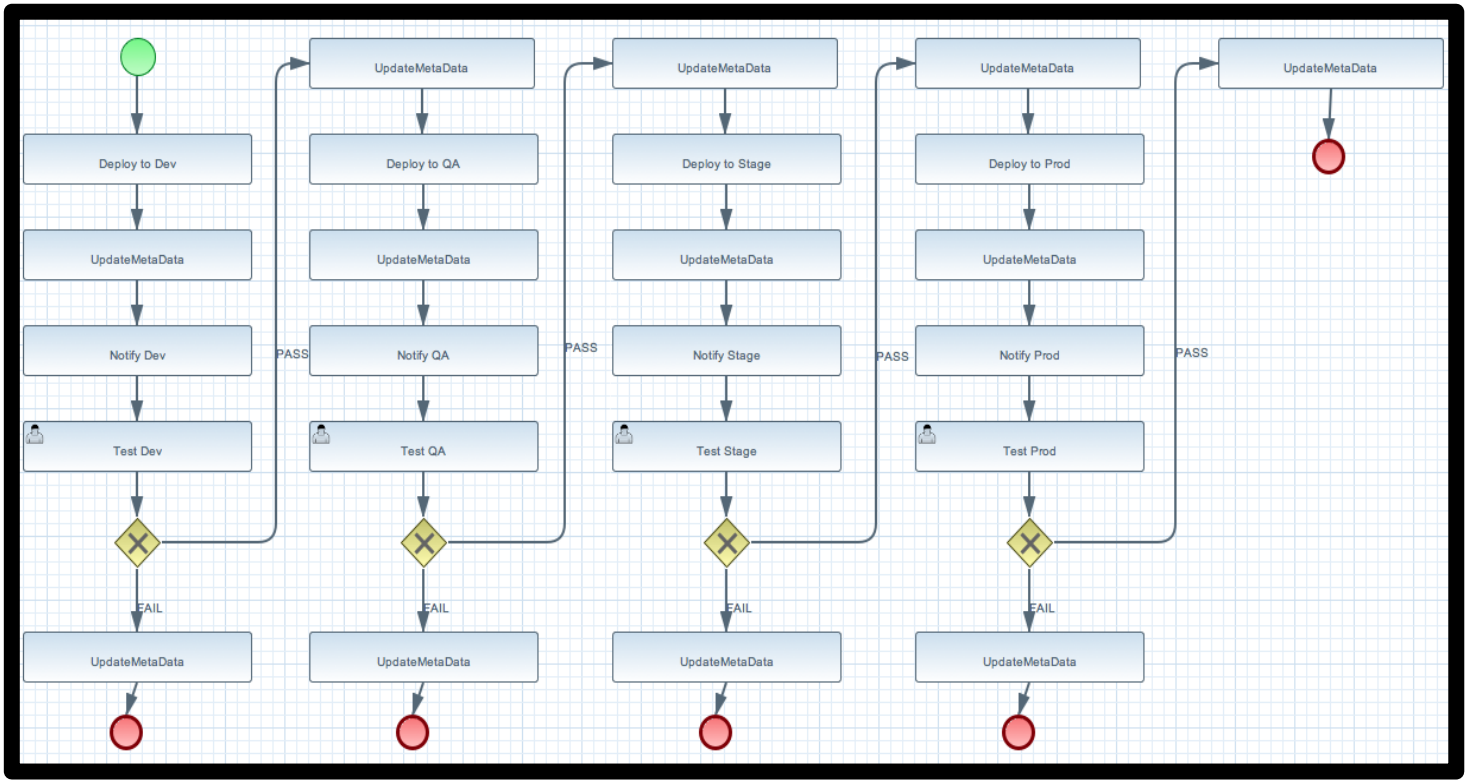
Impact Discovery & Analysis

Web and CLI tools to simplify search and reporting

Lifecycle isn't just development

Customizable, automated lifecycle workflow

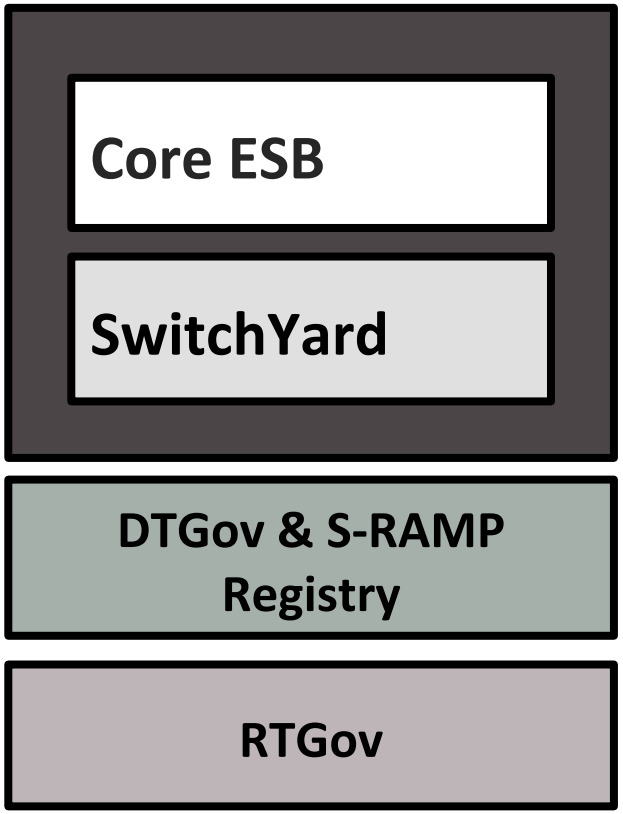




Workflow
Repository (S-RAMP)

http://bit.ly/11t5lNz
http://vimeo.com/50627742

Service Activity Monitoring



Overlord RTGov provides runtime governance

Real time activity reporting for service transactions

Event analysis and correlation within and across services

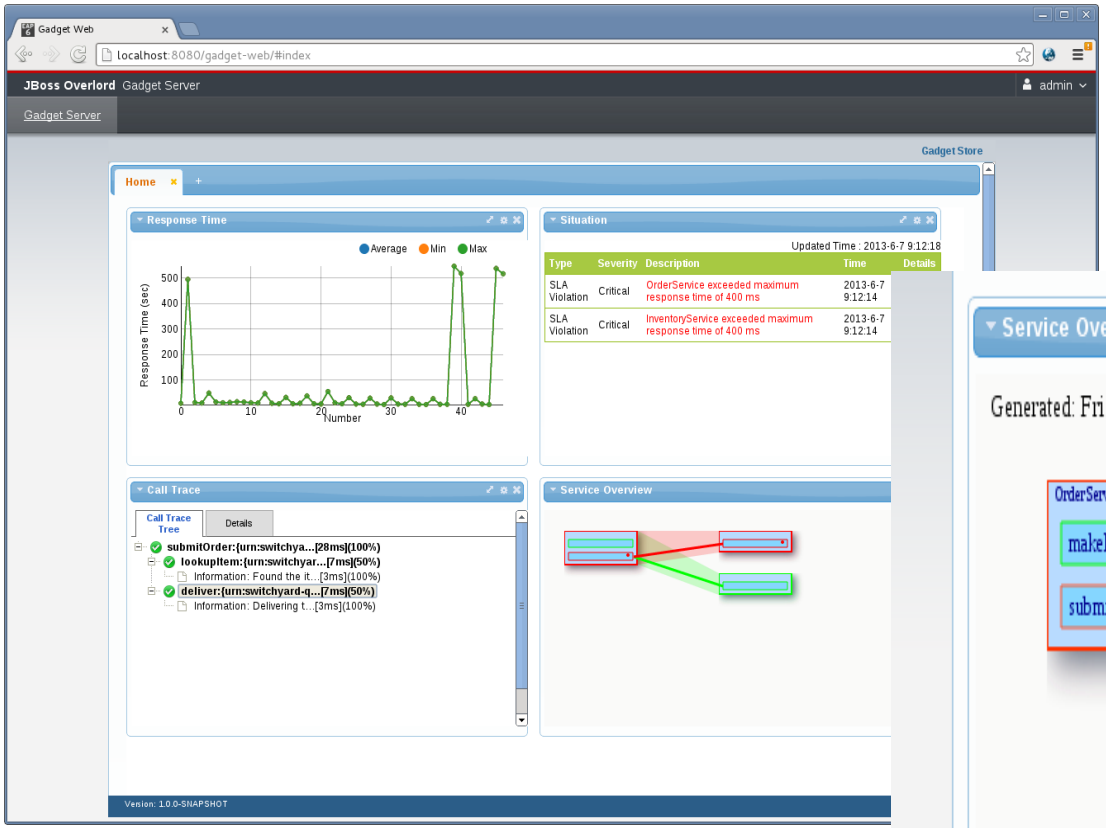
Runtime policy enforcement independent of service

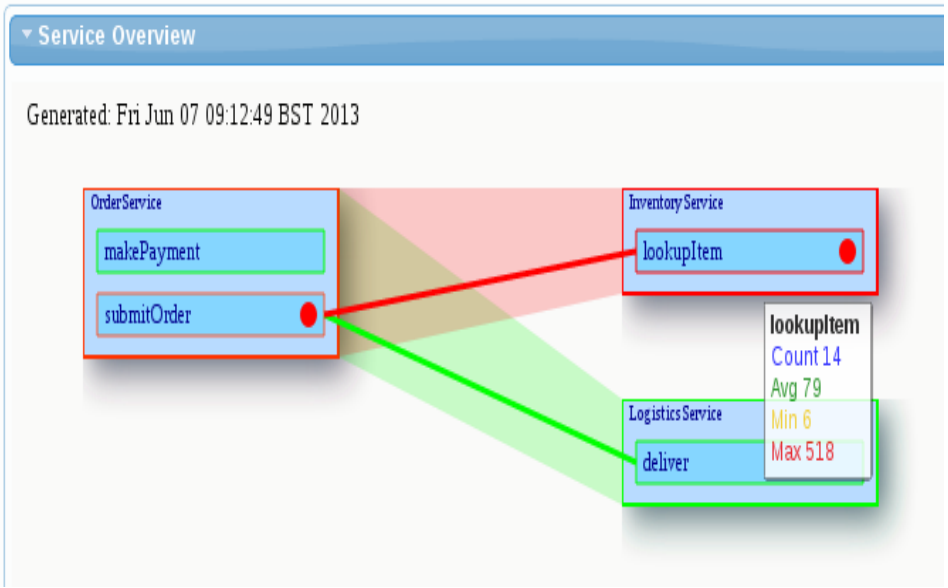
Persisted information supports historic analysis of business activity

Results from the business policies can be cached for reference by other applications

Visualize Services

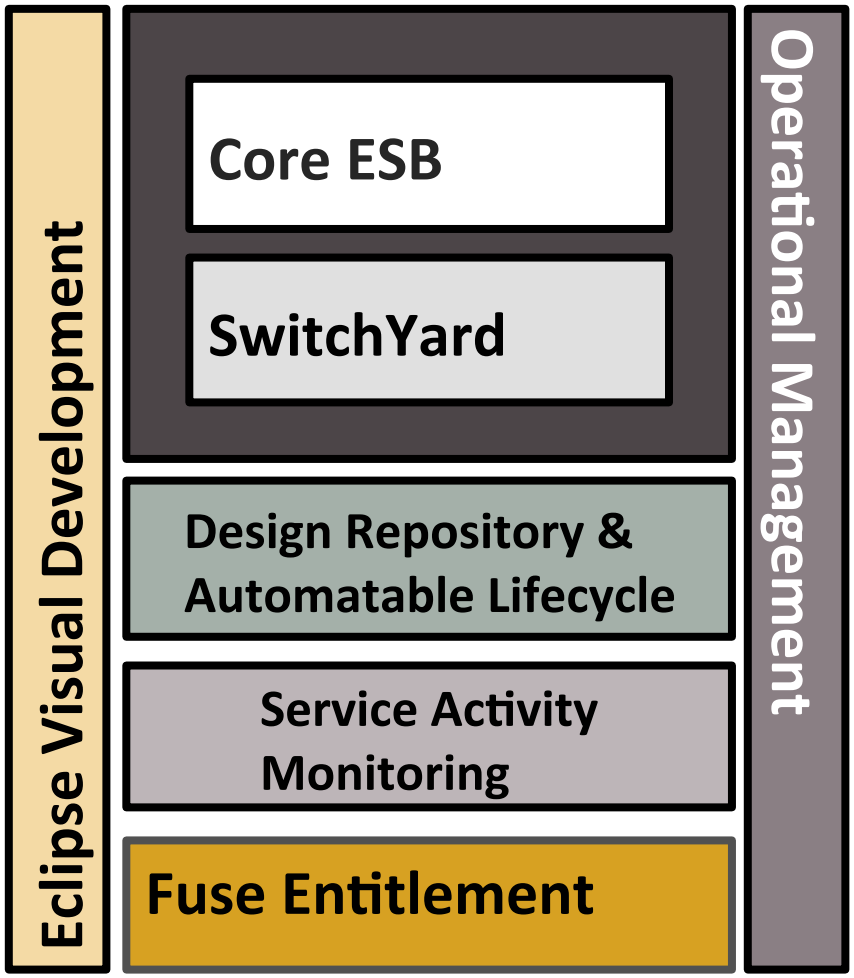
Customizable dashboard, comprehensive visibility





Call trace http://vimeo.com/54642223
Activity Monitoring http://vimeo.com/51539146
Define and Enforce a policy https://vimeo.com/54790975

JBoss SOA Platform v6



Builds on Fuse ESB and EAP

Structured, service-oriented development model

Services as a first-order concept

Simplified Service Lifecycle

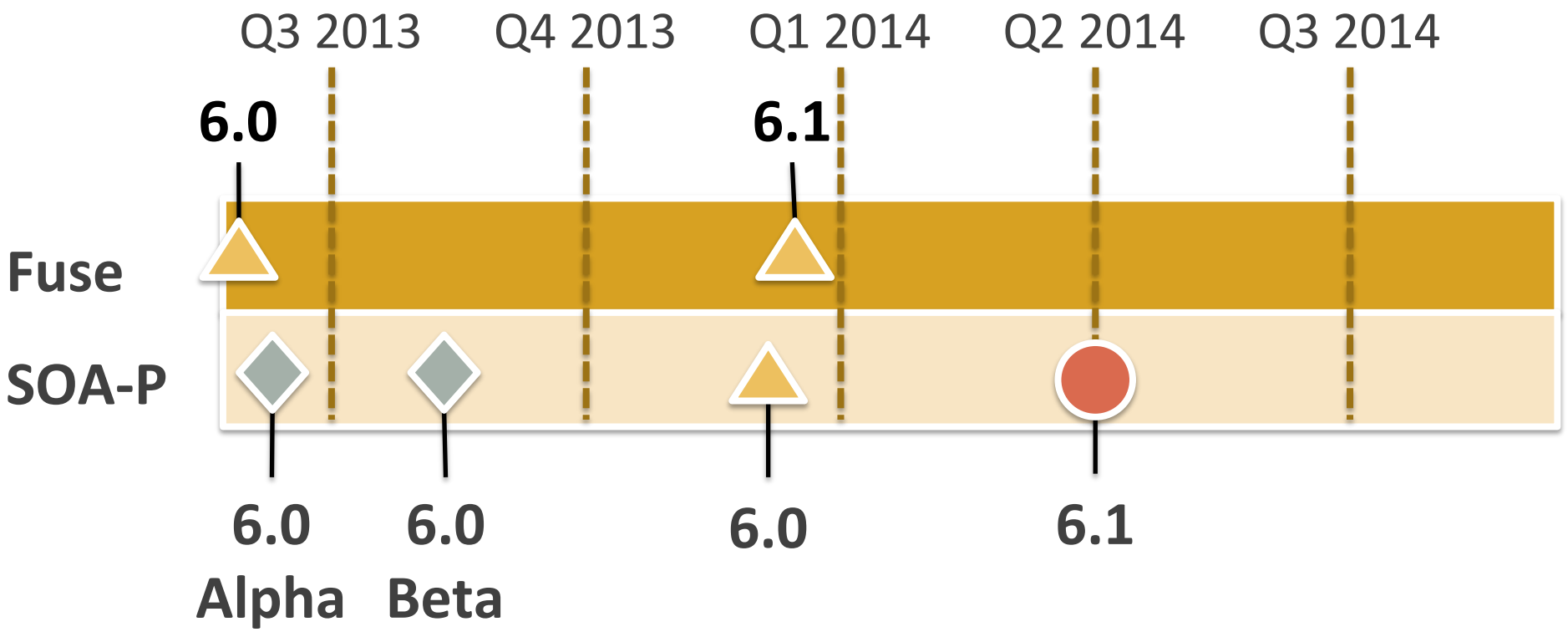
Visibility and Governance

Support for distributed, cross-functional teams

Code and model driven tooling

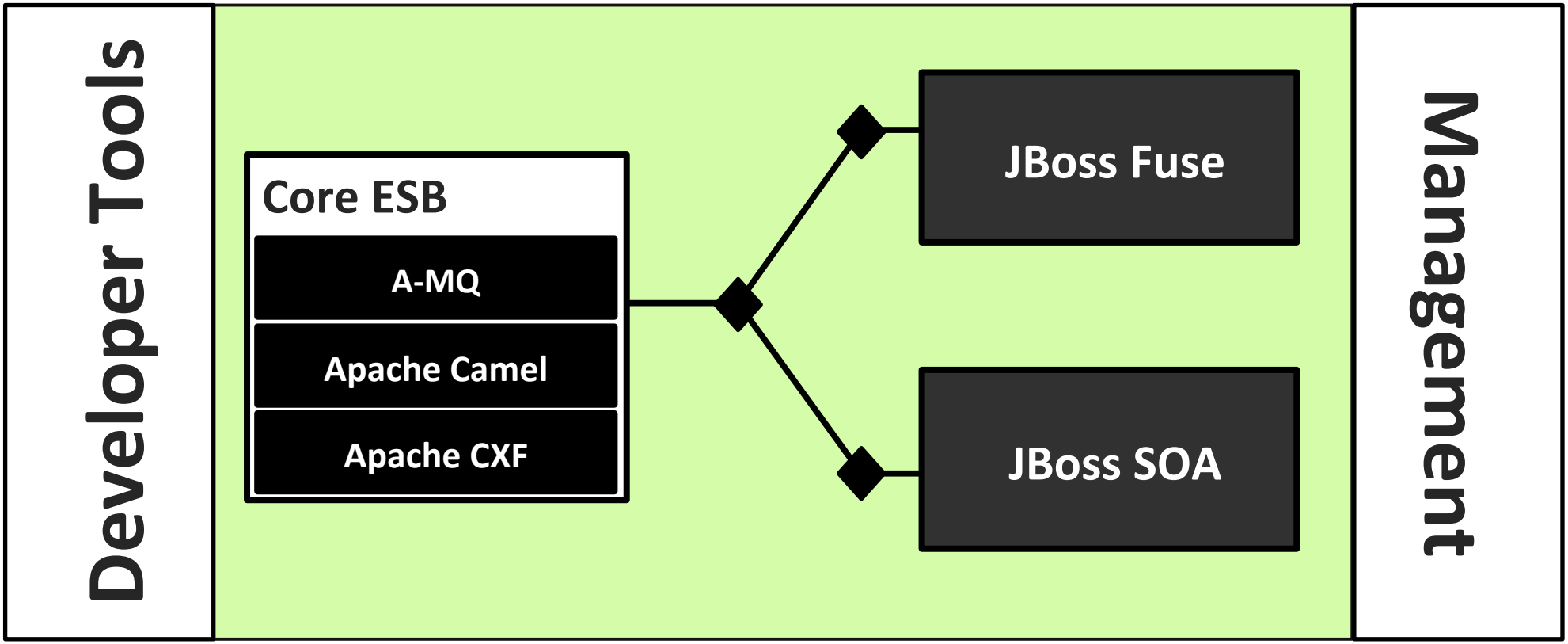
Functional equivalence with SOA 5

Roadmap



SOA-P Early Access Program begins with Alpha, Open Beta with developer support

Red Hat JBoss Fuse product line



Other Sessions

Easy Integration with Red Hat JBoss Fuse
Wednesday 3:40 – 4:40
Room 210

Red Hat Jboss SOA Platform 6 Quick Start
Thursday 2:30 – 3:30
Room 210

Riding the Camel
Wednesday 2:30 – 3:30
Room 206

Intro to SOA-6 Labs
Wednesday 3:50 – 5:50

Choose your own Adventure
Thursday 3:50 – 5:50

Migrating SOA 5 to 6 Labs
Friday 9 – 11

Q&A

Q: I'm a current SOA-P 5 customer. What should I use moving forward?
A: SOA-6. It is functionally equivalent to SOA-5, we will have migration tools to help move from 5 to 6 and will ensure interoperability between 5 and 6.

Q: Will I still be supported with SOA-P v5?
A: Yes, we have extended the lifecycle support for SOA-5 until 2018.

Q: Can I move my projects from Fuse to SOA or vice-versa?
A: Easily, depending upon features. e.g. If programming directly to Fabric or OSGI technology then you are currently limited to running in the Karaf container. There will be documentation and tooling to support migration of projects.

Q: I want to use both SOA-P 6 and Fuse. How can I allocate my entitlements?
A: Fuse entitlements are included with SOA-P 6 subscriptions. Core counts can be split between deployments