

Build the Enlightened Enterprise

An overview of the JBoss BPM Suite & JBoss Fuse integration demo

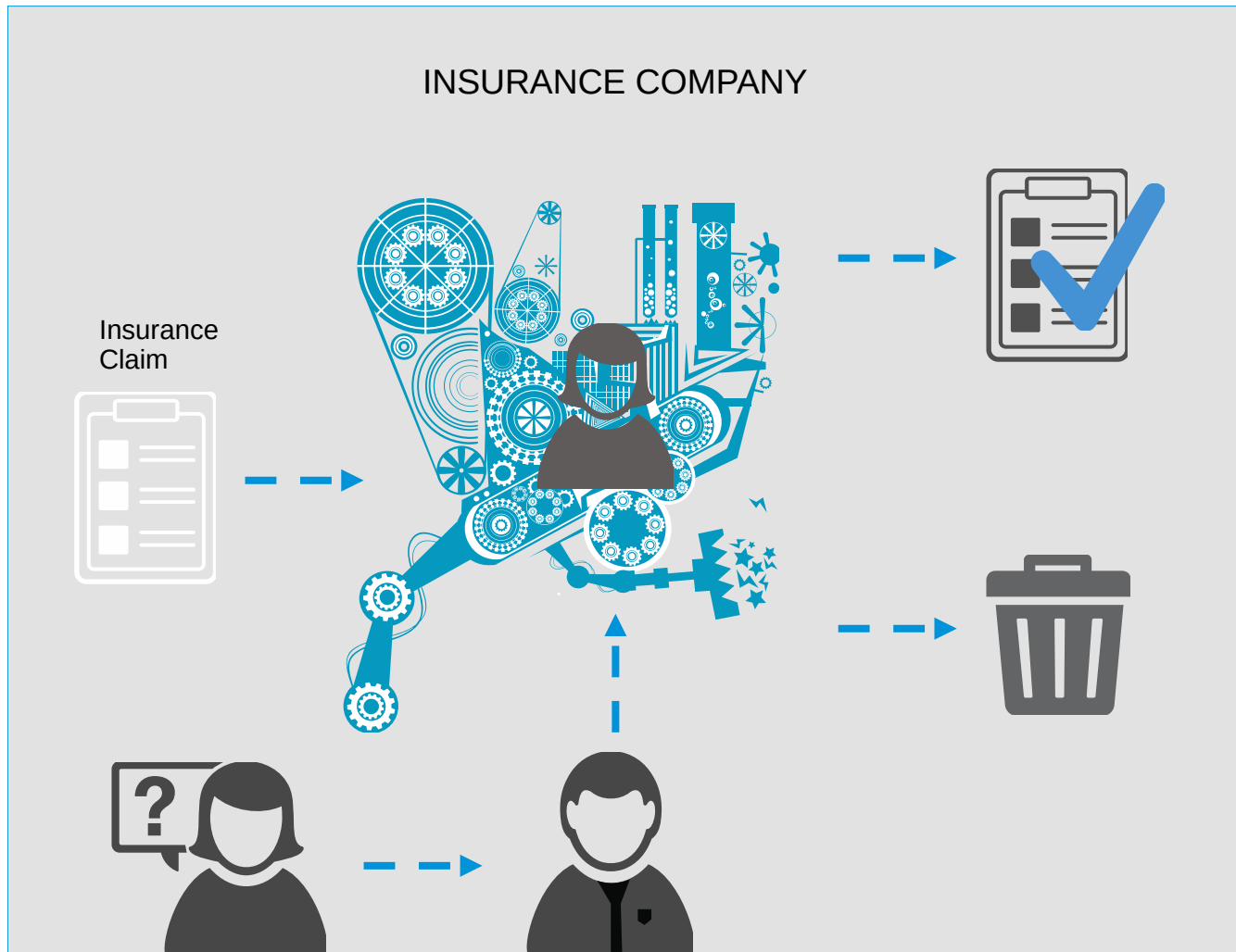
Powered by Red Hat JBoss Middleware:
JBoss BPM Suite
JBoss Fuse

Business Challenges - Integration

- Legacy applications
- Departmental solutions
- Cultural differences
- So many protocols & standards, so little time
- Support huge family of formats
- Physical network limitations
- Constant changes / updates / enhancements
- Platform / OS variations
- Collection of one-to-one links without a common infrastructure

Business Challenges - Automate

Business Challenges - Automate



Problems:

1. Business rules are hidden in applications – the **visibility** problem
2. It takes too long to change business rules – the **agility** problem
3. People interpret rules differently – the **consistency** problem

Solution - Red Hat JBoss BRMS

Innovate faster, in a smarter way

A family of a lightweight, enterprise-grade products that are ideal for open hybrid cloud environments.



ACCELERATE

Develop applications faster, deploy across any environment, and elastically scale with fewer data bottlenecks.



INTEGRATE

Connect systems, applications, and data across your entire enterprise for greater efficiency and precision.



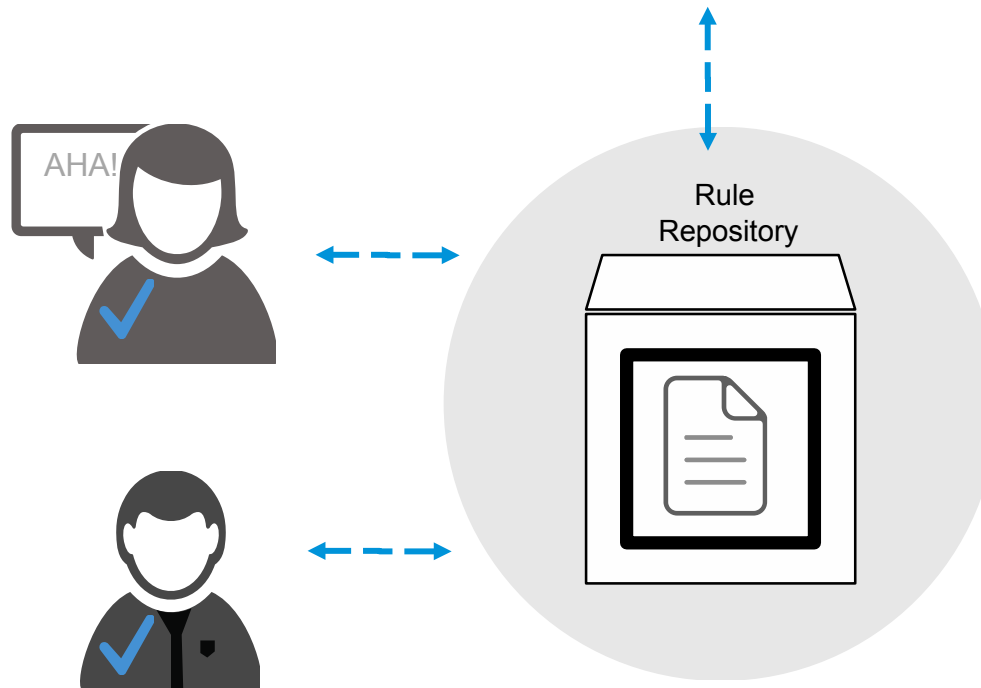
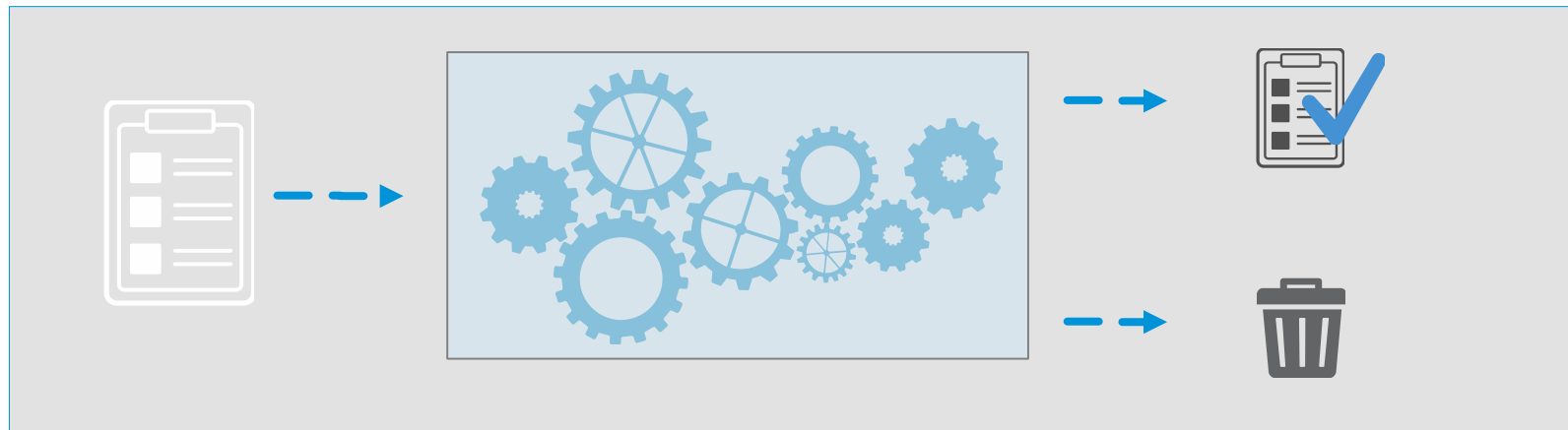
AUTOMATE

Automate business processes to react quickly to real-time events, minimize errors, and stay competitive.



Red Hat JBoss BRMS

The Business Rules Solution



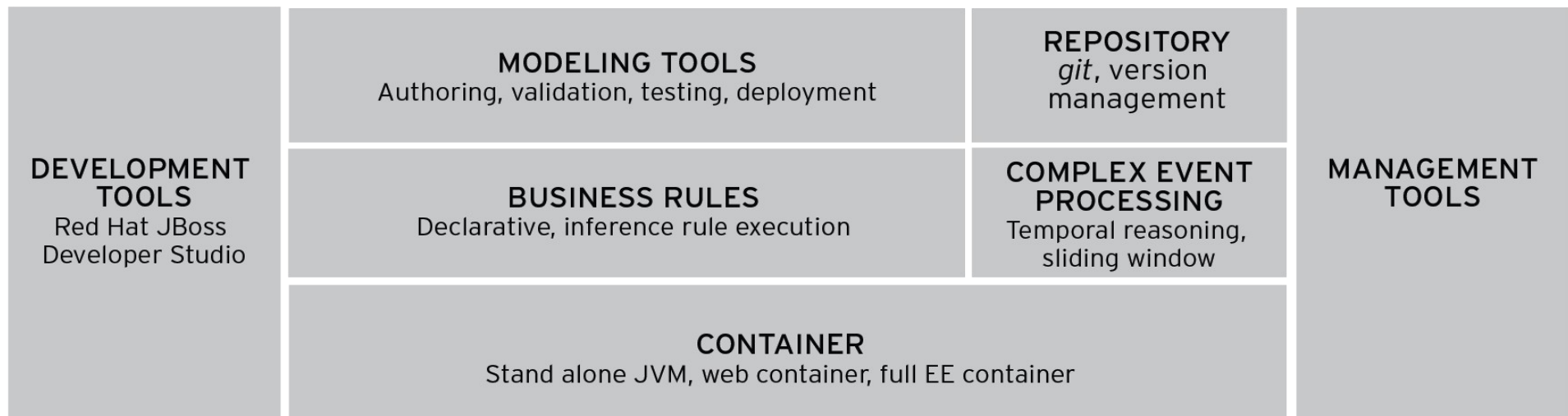
1. Separate the business rules from the applications
2. Express rules in terms that the business can readily understand - **visibility**
3. Empower business and IT experts to collaborate - **agility**
4. Automate all the rules - **consistency**

BRMS - Technology Overview

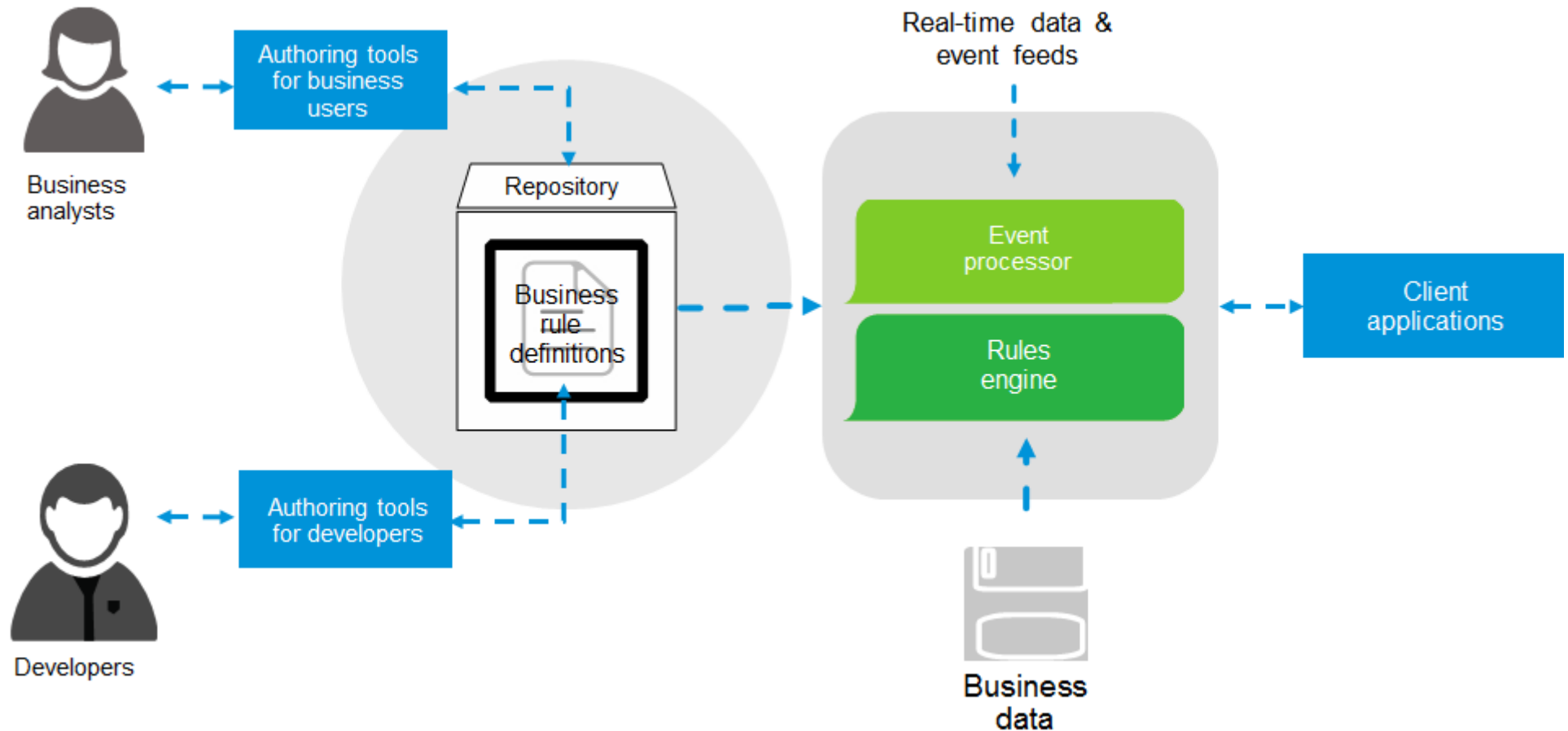
RED HAT® JBOSS® BRMS

A single, integrated, certified distribution for Business Rules Management and Complex Event Processing, based on open source community projects:

RED HAT JBOSS BRMS



Components



Business Challenges - Integration

Business Challenges - Integration

- Legacy applications
- Departmental solutions
- Cultural differences
- So many protocols & standards, so little time
- Support huge family of formats
- Physical network limitations
- Constant changes / updates / enhancements
- Platform / OS variations
- Collection of one-to-one links without a common infrastructure

Solution – Red Hat JBoss Fuse

Innovate faster, in a smarter way

A family of a lightweight, enterprise-grade products that are ideal for open hybrid cloud environments.



ACCELERATE

Develop applications faster, deploy across any environment, and elastically scale with fewer data bottlenecks.



INTEGRATE

Connect systems, applications, and data across your entire enterprise for greater efficiency and precision.

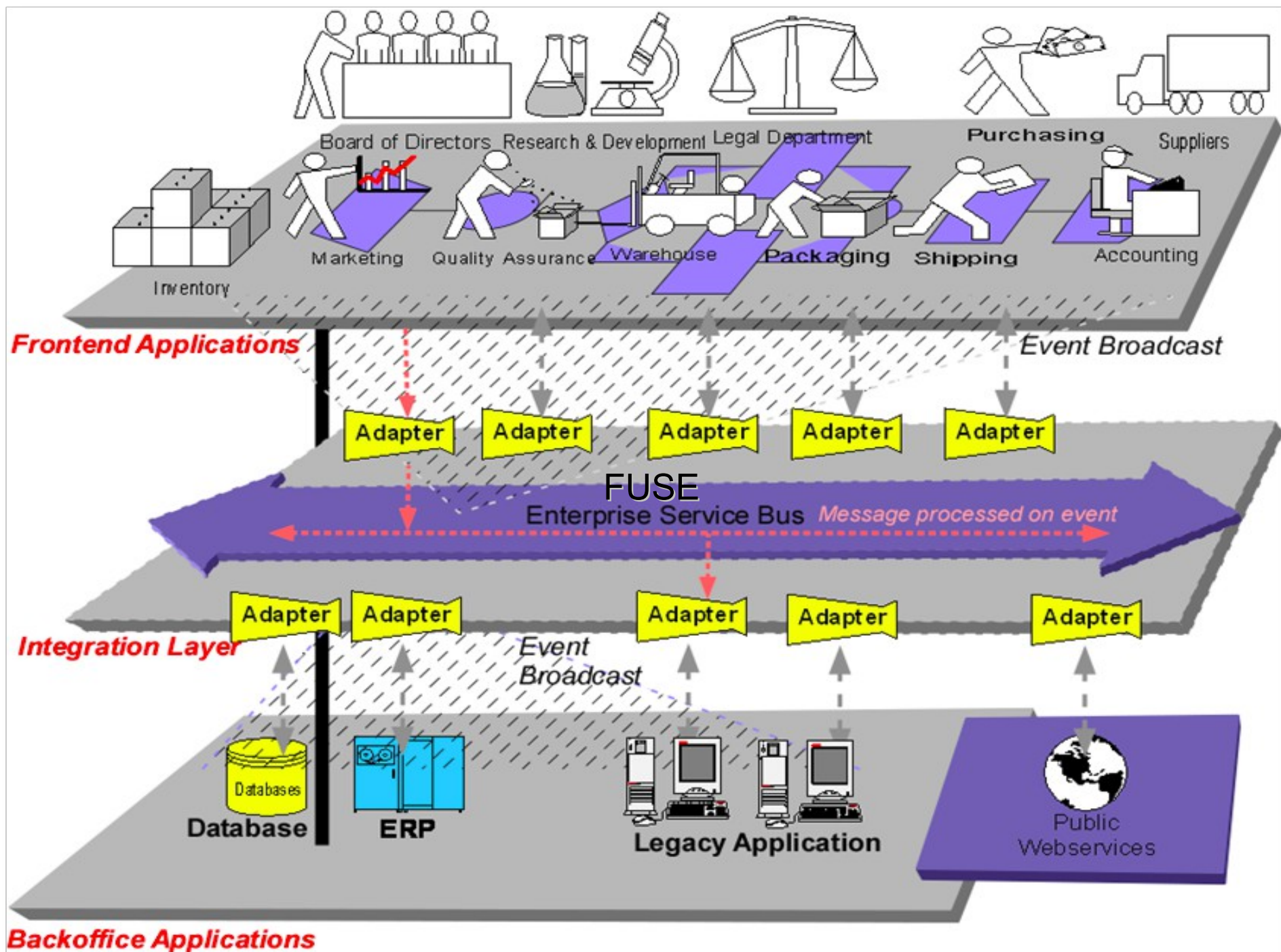


AUTOMATE

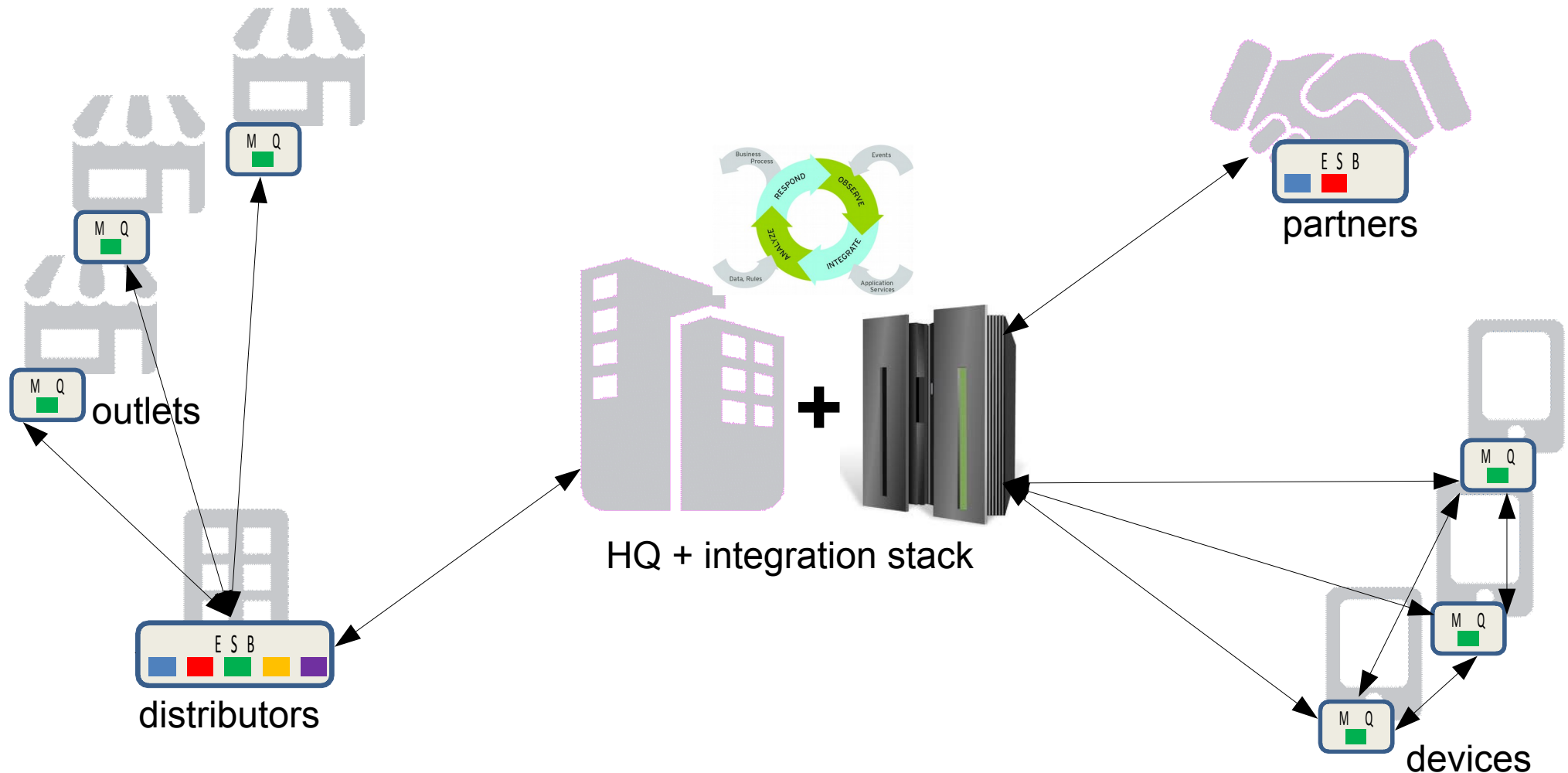
Automate business processes to react quickly to real-time events, minimize errors, and stay competitive.



Red Hat JBoss Fuse



With JBoss Fuse, You Can Integrate Everything...



Integration beyond the Data Center- deploy ESBs and brokers at distributors, outlets and devices

No longer limited to hub-and-spoke- deploy integration intelligence at any location around the globe

Eliminate batch delivery- brokers can easily and inexpensively be deployed everywhere

Red Hat JBoss Fuse Solution

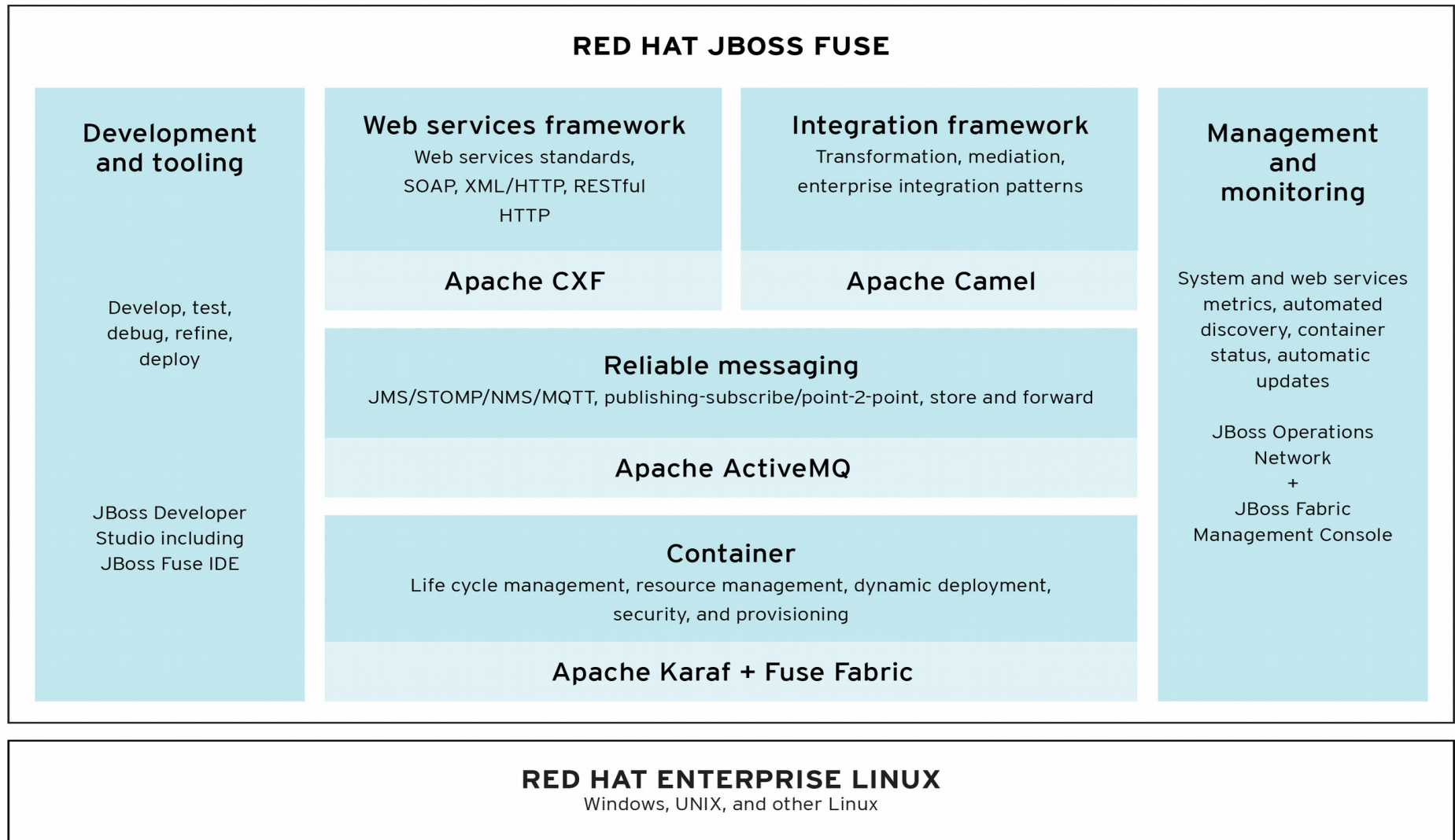
- Technology supporting existing protocols and standards
- Facilitate transformation or data formatting
- Integration language
- Runtime to deploy services
- Modularity / Granularity
- Async architecture & persistence
- Tools to develop, package and deploy
- Supervision strategy
- (Cloud) Infrastructure



Technology Overview

JBoss Fuse

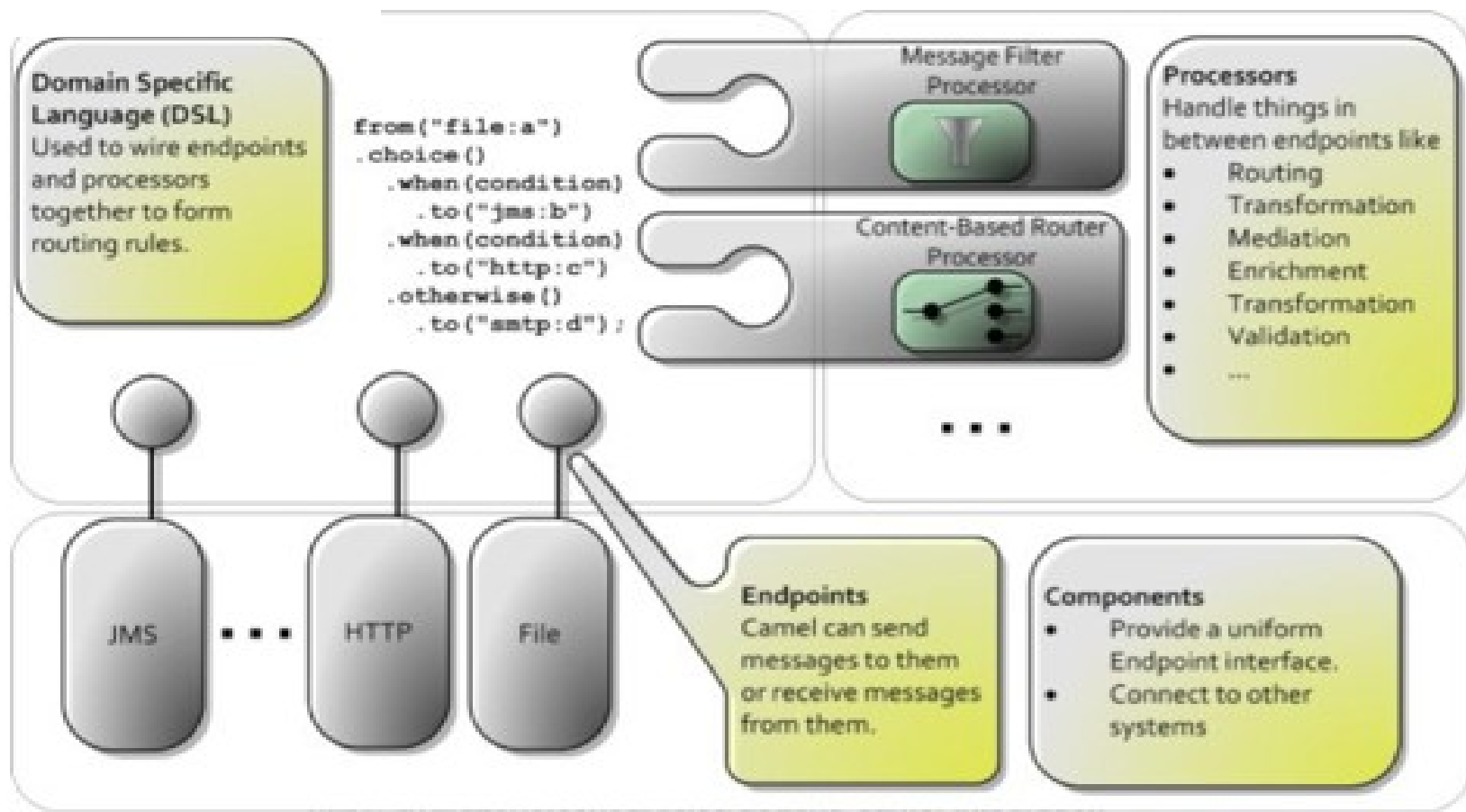
A small-footprint, flexible, open source enterprise service bus

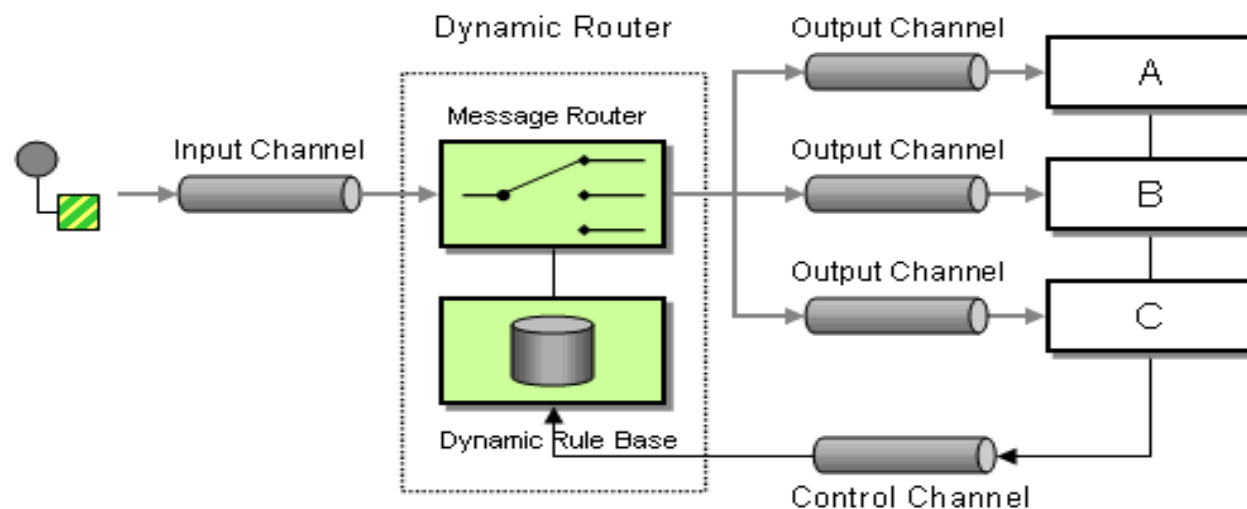
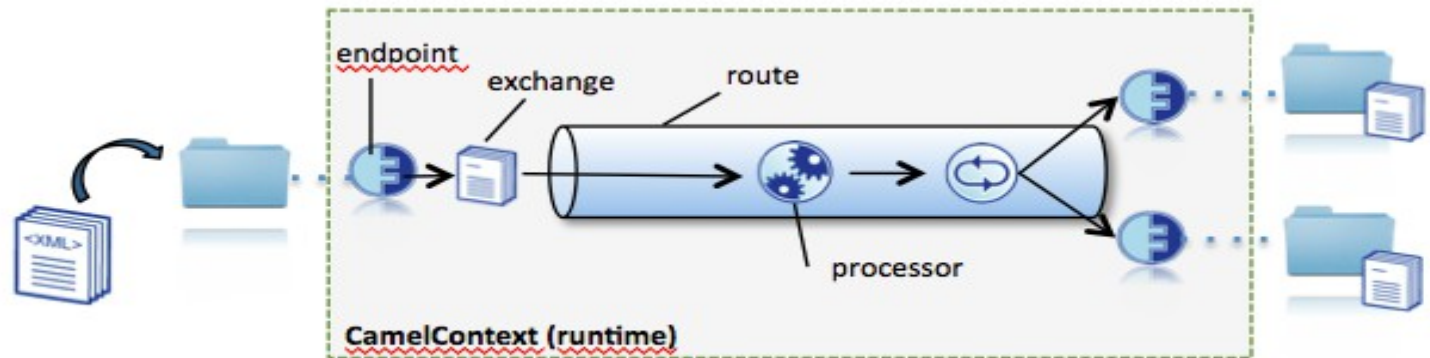


Enables **integration everywhere** for a real-time enterprise



Apache Camel





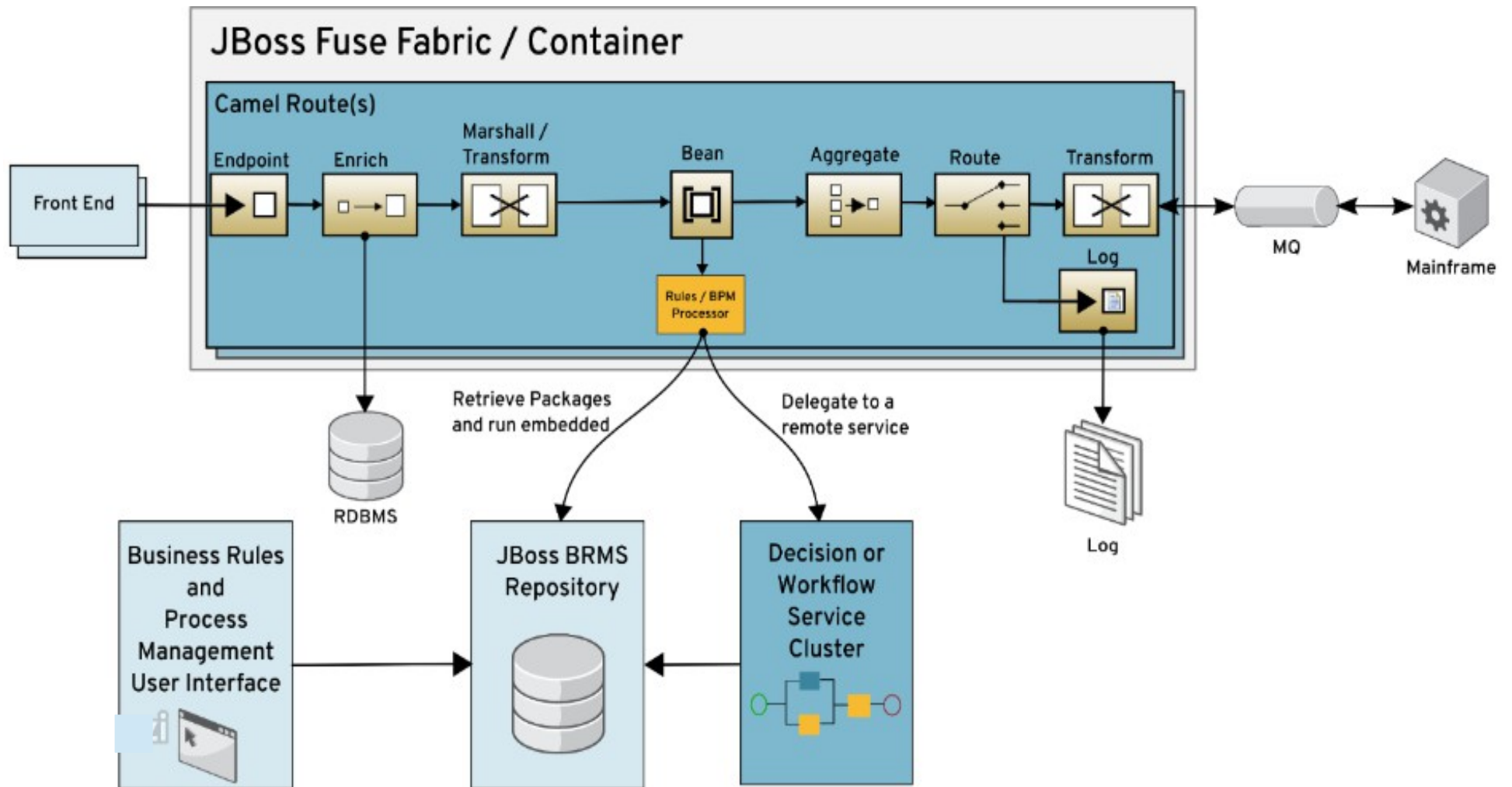
BRMS + Fuse = Enterprise Automation and Integration

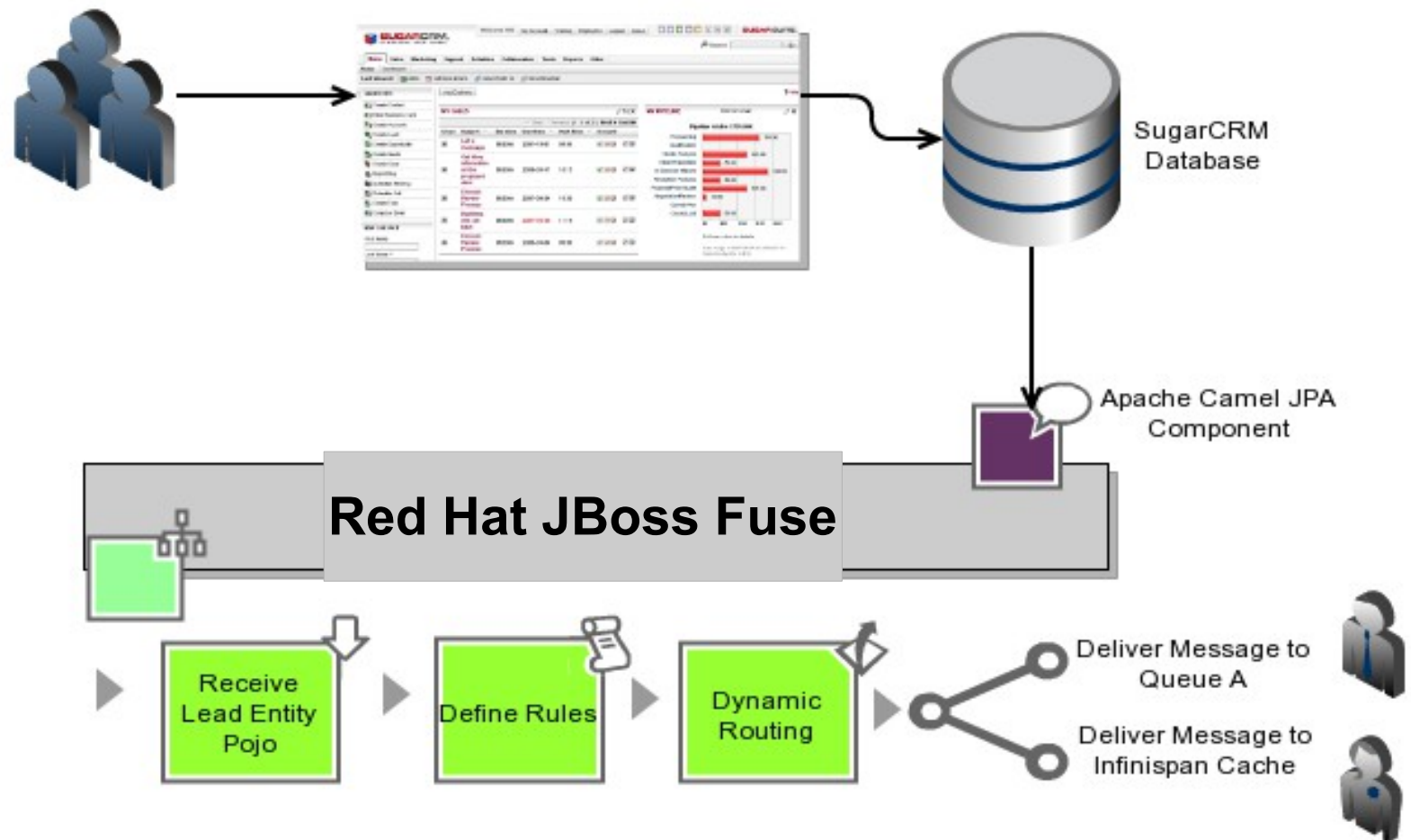
Use Case

- Financial Services
 - Large bank is looking to modernize a main frame system
 - Trading orders, compliance, account management, asset transfer, books and records, etc
 - Must Integrate with legacy mainframe into foreseeable future
- Government / Regulation / Insurance
 - Tend to process documents with extremely large business domains
 - Multitude of associated rules and process
 - Often slow to change due to complexity
- Telecommunications
 - Looking to collect and process events from across the enterprise
 - Drive new business capabilities with real-time data analysis and response

Approaches

- Embedded
- Call rule, process or Complex Event processing engine embedded in camel route
- Benefit of calling engine in-VM with lower overhead
- Consolidated operations with Fuse Fabric control only
- Best for stateless engine usage
- Service
- Call rule decision service
- Benefit from independent scaling from integration deployments
- Best for stateful rule service





Build the Enlightened Enterprise

For more information, please visit:

<http://www.jboss.org/products/bpmsuite>

<http://www.jboss.org/products/fuse>

Demo available at:

<https://github.com/jbossemocentral/brms-fuse-integration-demo>