

# Integrating Your Applications With Fuse on Openshift

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Solution Architect - Red Hat

# Integration History



EAI Origins  
File Transfer,  
Shared DB,  
RPC

1980's

1990's



MOM  
P2P  
Async

ESB & SOA  
WS  
SOAP  
XML

2000's



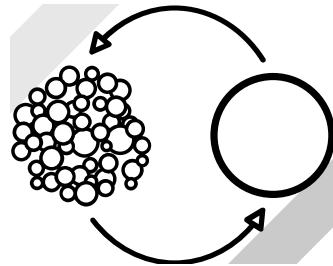
2010's

Lightweight Integration  
MicroServices  
API Economy  
Ipaas  
IoT

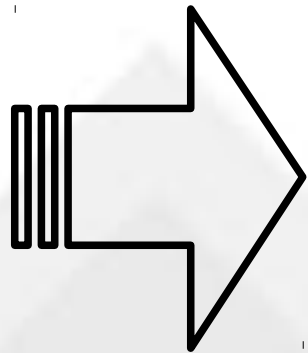
# What Matters to Business?



Cost



Agility



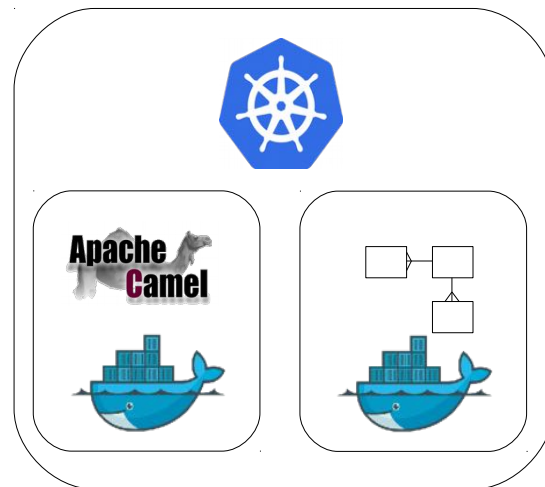
Speed

# Integration needs Devops too!

- Integration components are part of the whole project
- If our integration capability is not as agile as our services then it's the weak link in the chain

# Fuse on Openshift – Platform for Devops

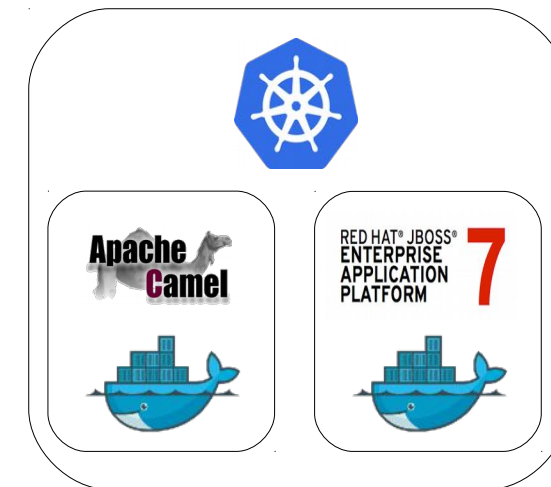
Integration  
Services



Guaranteed  
Asynchronous  
Broker Network



Cloud Scalable  
Integration



# What is Fuse?

Message Routing  
Message Transformation  
Integrating Services and Applications

**RED HAT® JBOSS®  
FUSE**

Asynchronous Messaging  
- Guaranteed  
- Scalable

**RED HAT® JBOSS®  
A-MQ**

Connect Data Sources  
Compose Data  
Consume

**RED HAT® JBOSS®  
DATA  
VIRTUALIZATION**

## Red Hat JBoss Fuse Architecture

Development  
&  
Tooling

JBoss  
Developer  
Studio

Web Services Framework

Apache CXF

Integration Framework

Apache Camel

Management  
&  
Monitoring

JBoss  
Operations  
Network

Fuse  
Management  
Console

Asynchronous Messaging

Apache Active-MQ

Container

JBoss EAP, Apache Karaf, Java

Container Management Clustering & Deployment

Fabric, Openshift

Fuse Images



**OPENSHIFT**  
by Red Hat

A-MQ Images



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A-MQ Images



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**OPENSIFT™**  
by Red Hat™

A-MQ Images



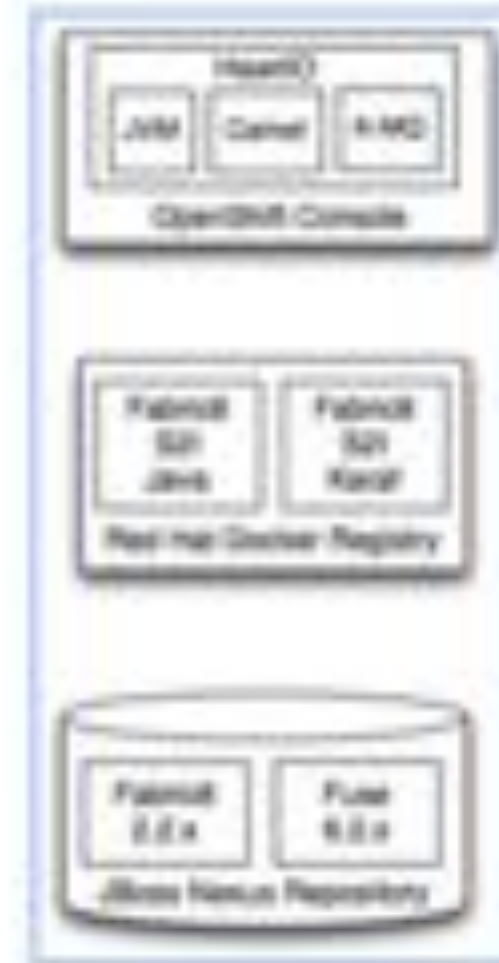
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# What is Fuse Integration Services?

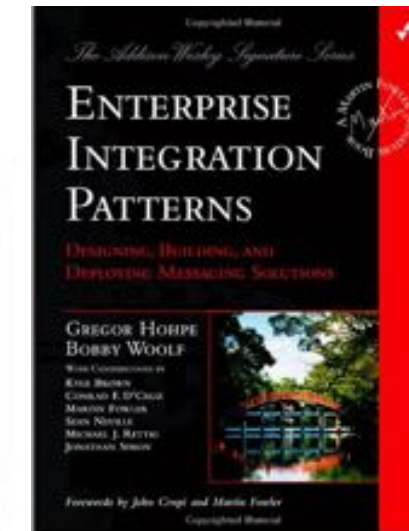
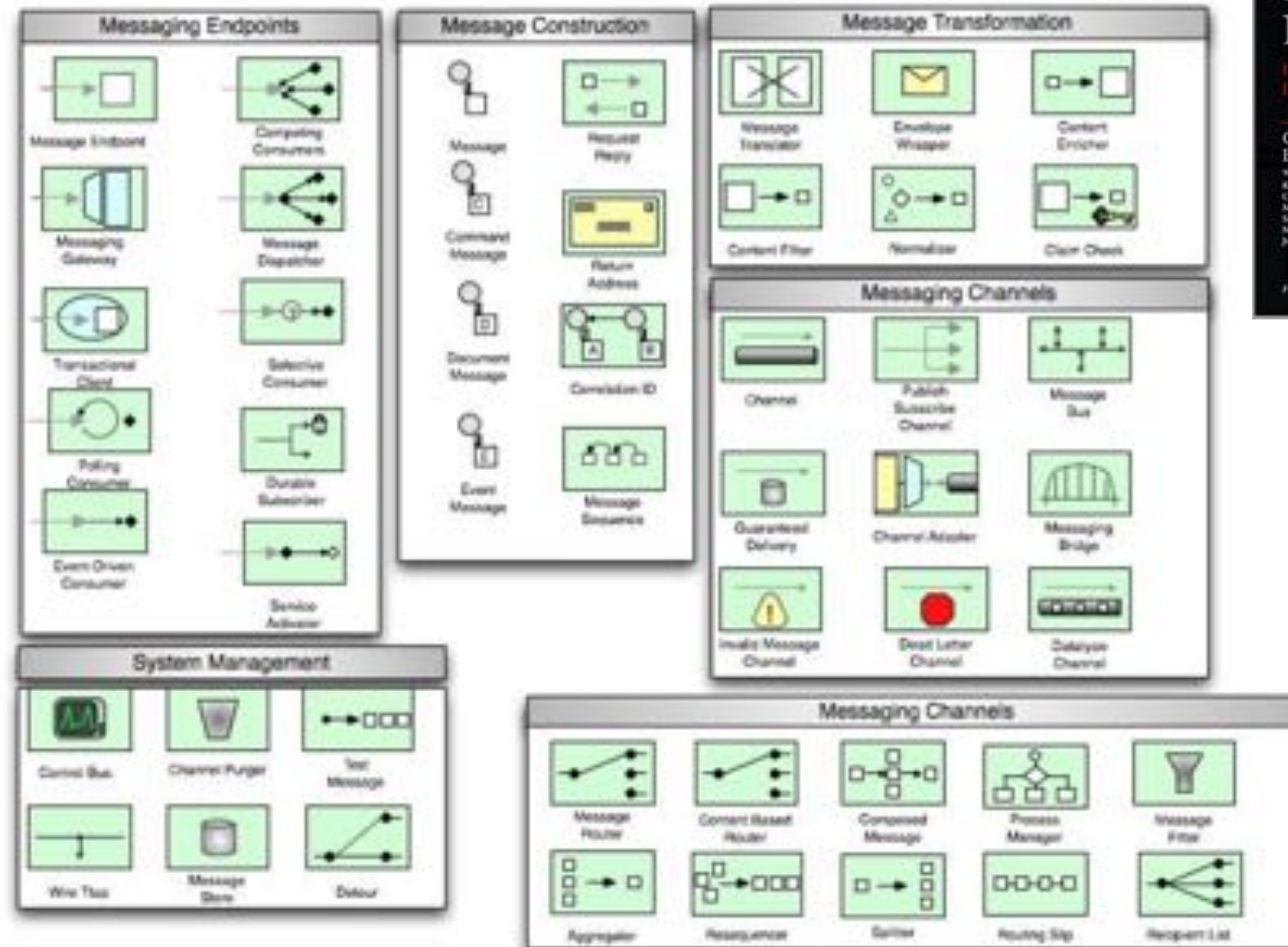
Admin Views

Base Images

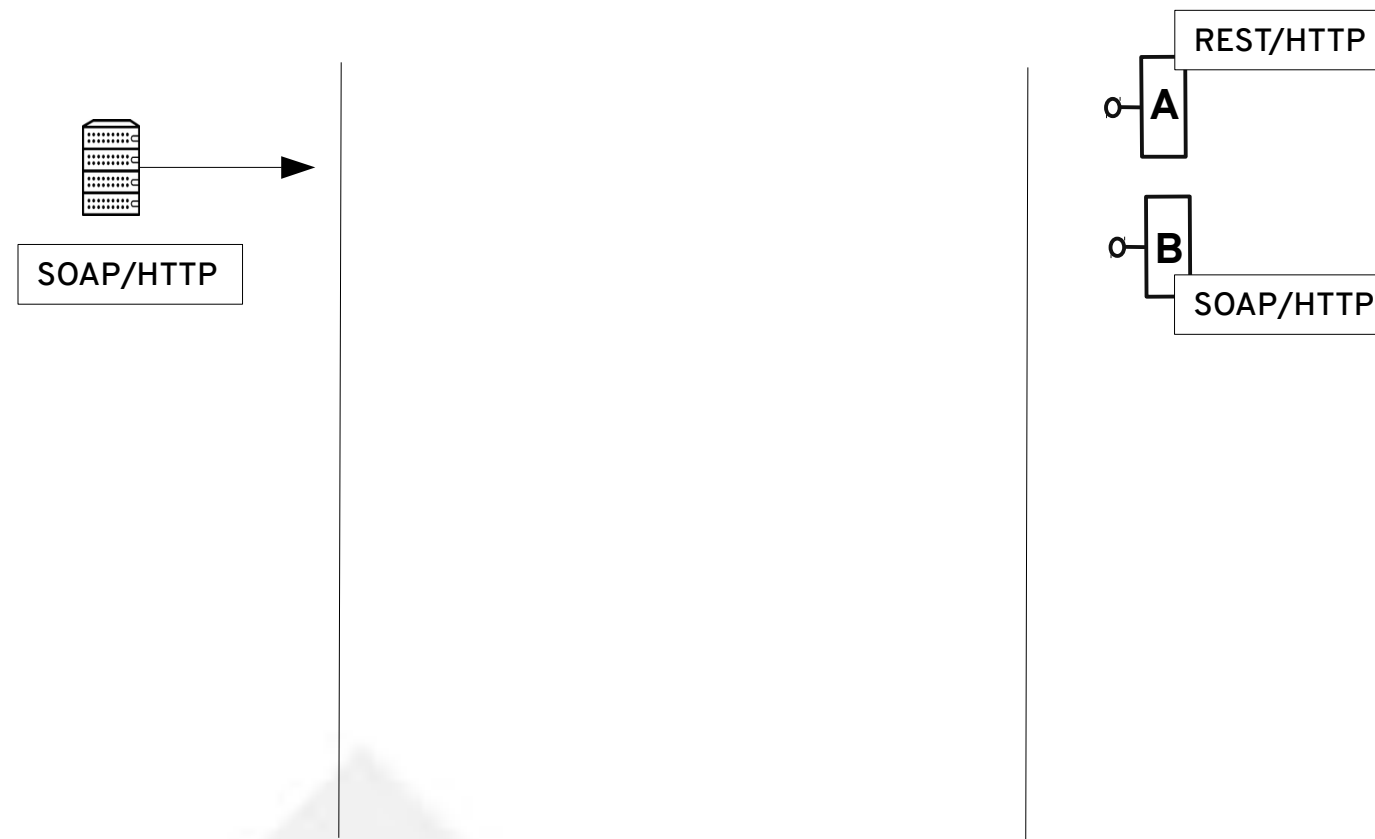
Maven Artifacts



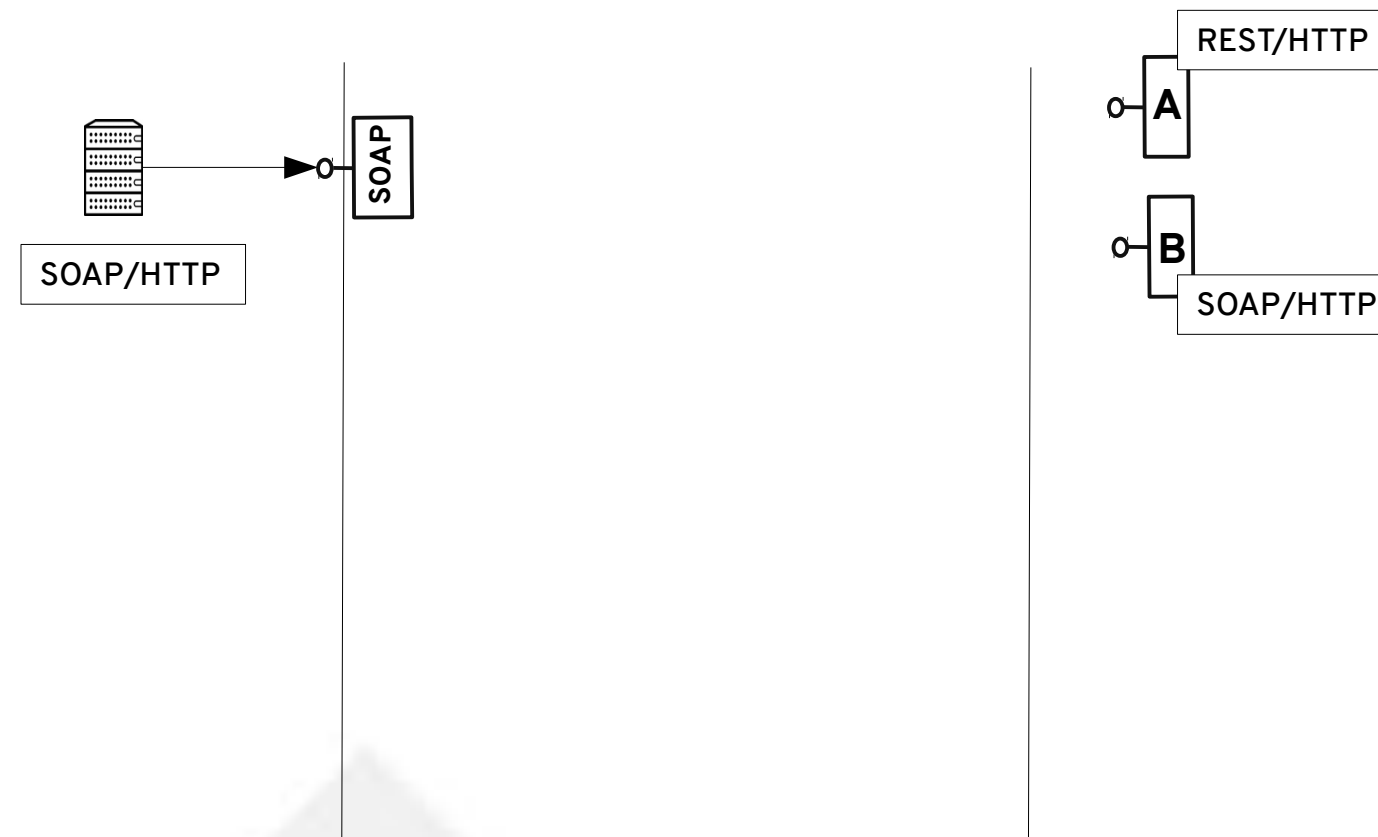
# Fuse is based on Apache Camel



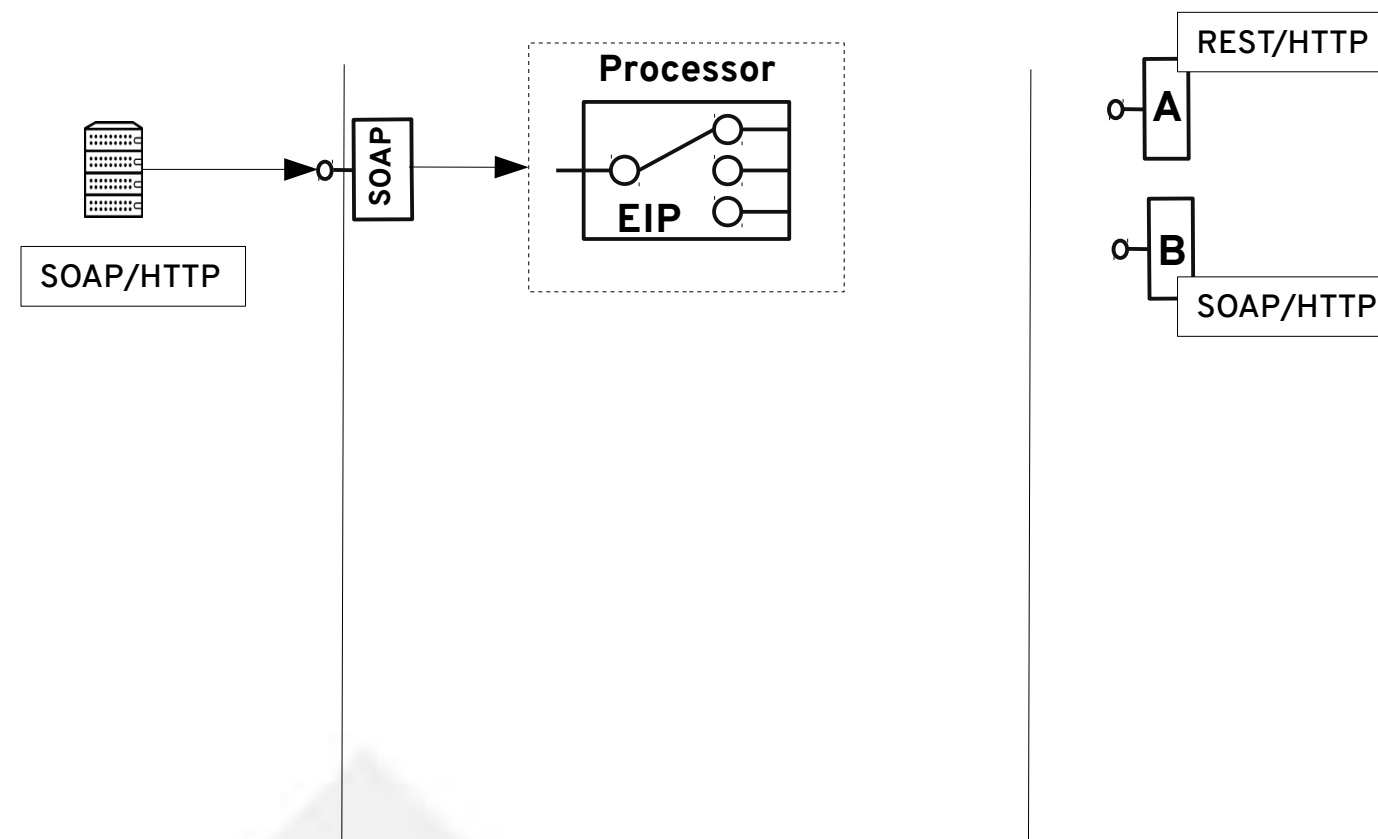
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# Camel Routing

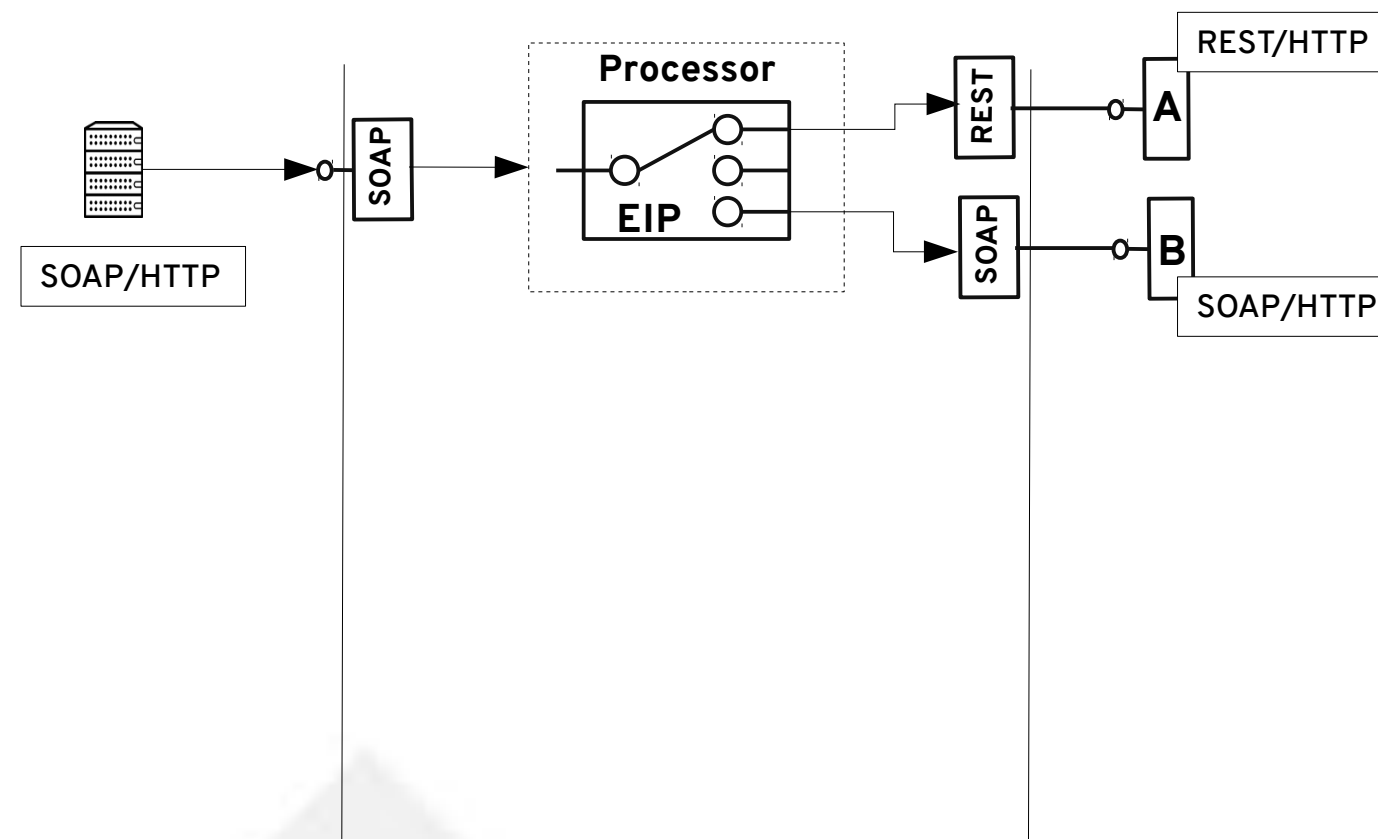


# Camel Routing

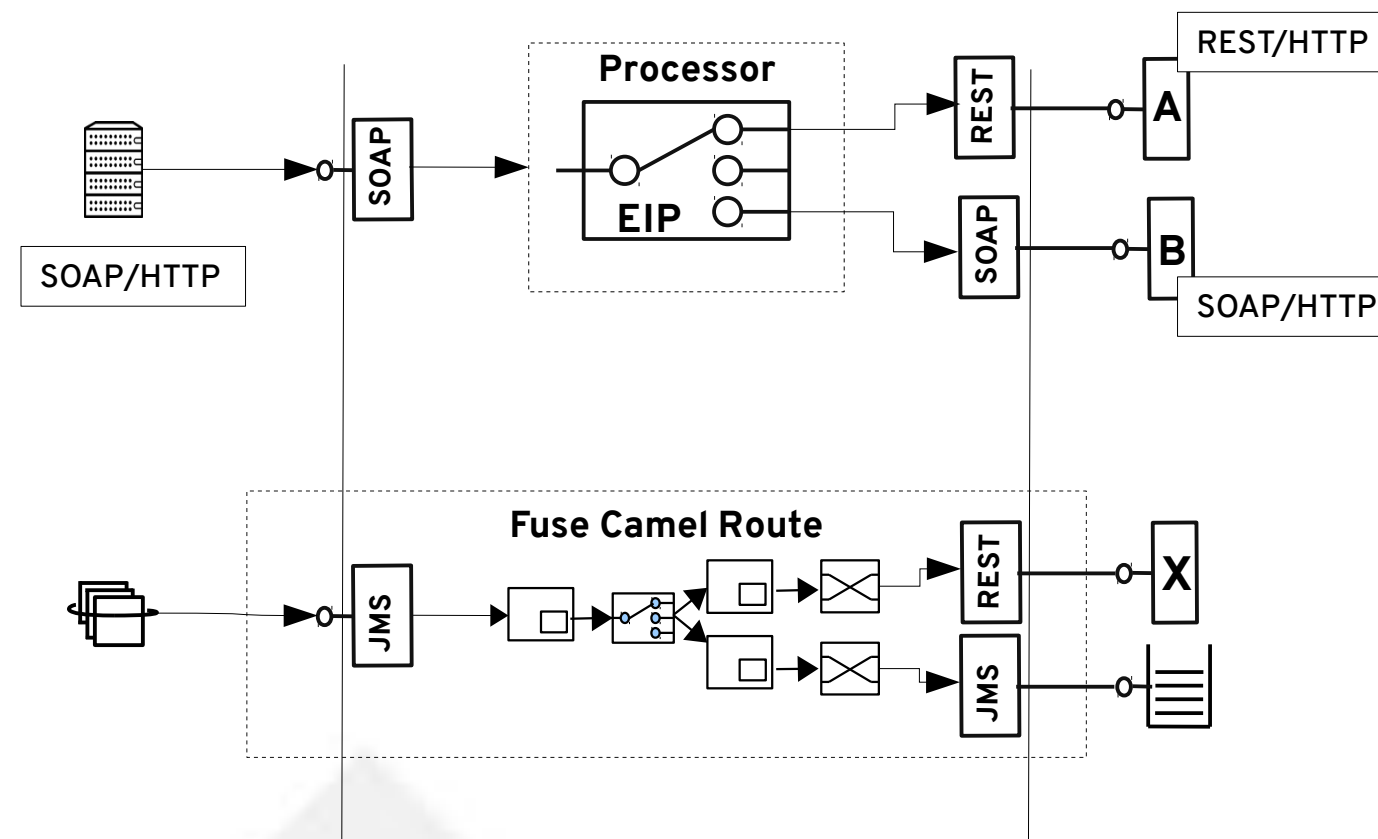




# Camel Routing



# Camel Routing





# DEMO

# Call to action!

- Red Hat Tech Talks

**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**





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