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10 YEARS *and counting*  
SAN FRANCISCO | APRIL 14-17, 2014

# JBoss Fuse in the Real World

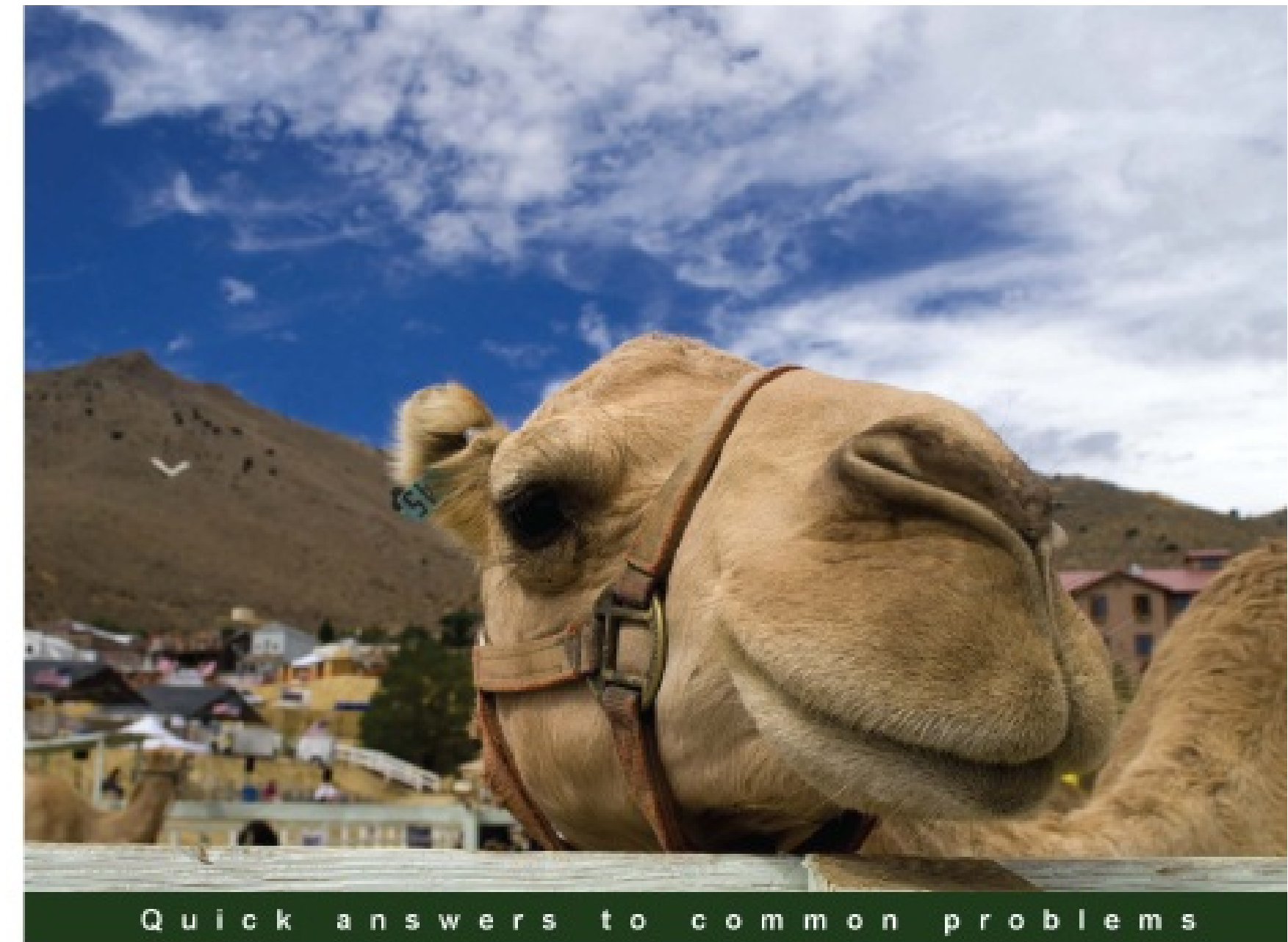
**Scott Cranton**

Manager, Solution Architects

Red Hat

# @scottcranton

- 20+ years in Middleware software coding and sales
- Apache Camel Developer's Cookbook – Dec 2013
- FuseSource World Wide Solution Architect manager; joined FuseSource in 2009
- 5+ years helping companies use Fuse



## Apache Camel Developer's Cookbook

Solve common integration tasks with over 100 easily accessible  
Apache Camel recipes

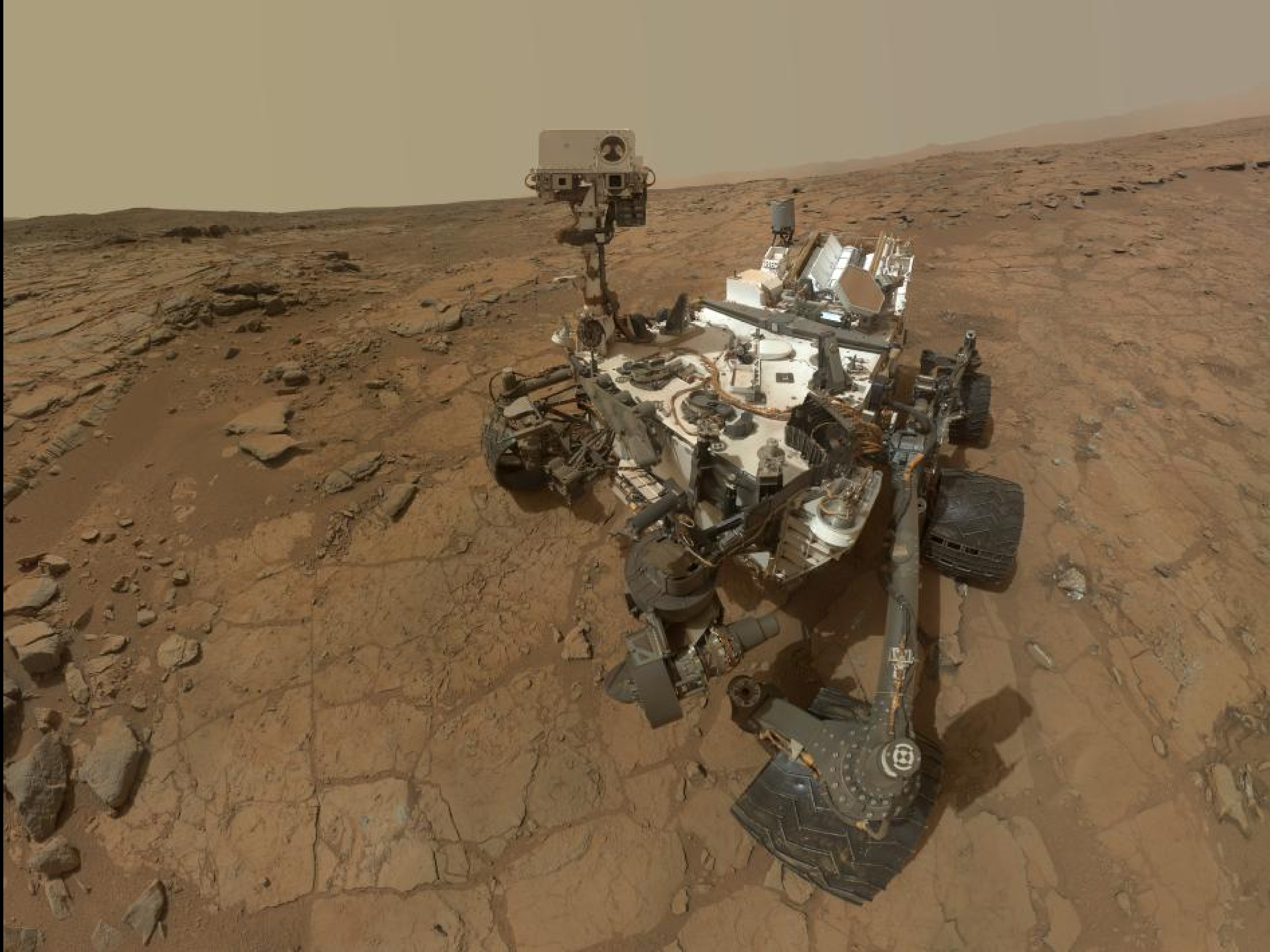
Scott Cranton

Jakub Korab

**[PACKT]** enterprise   
PUBLISHING professional expertise distilled

# Talk Goals

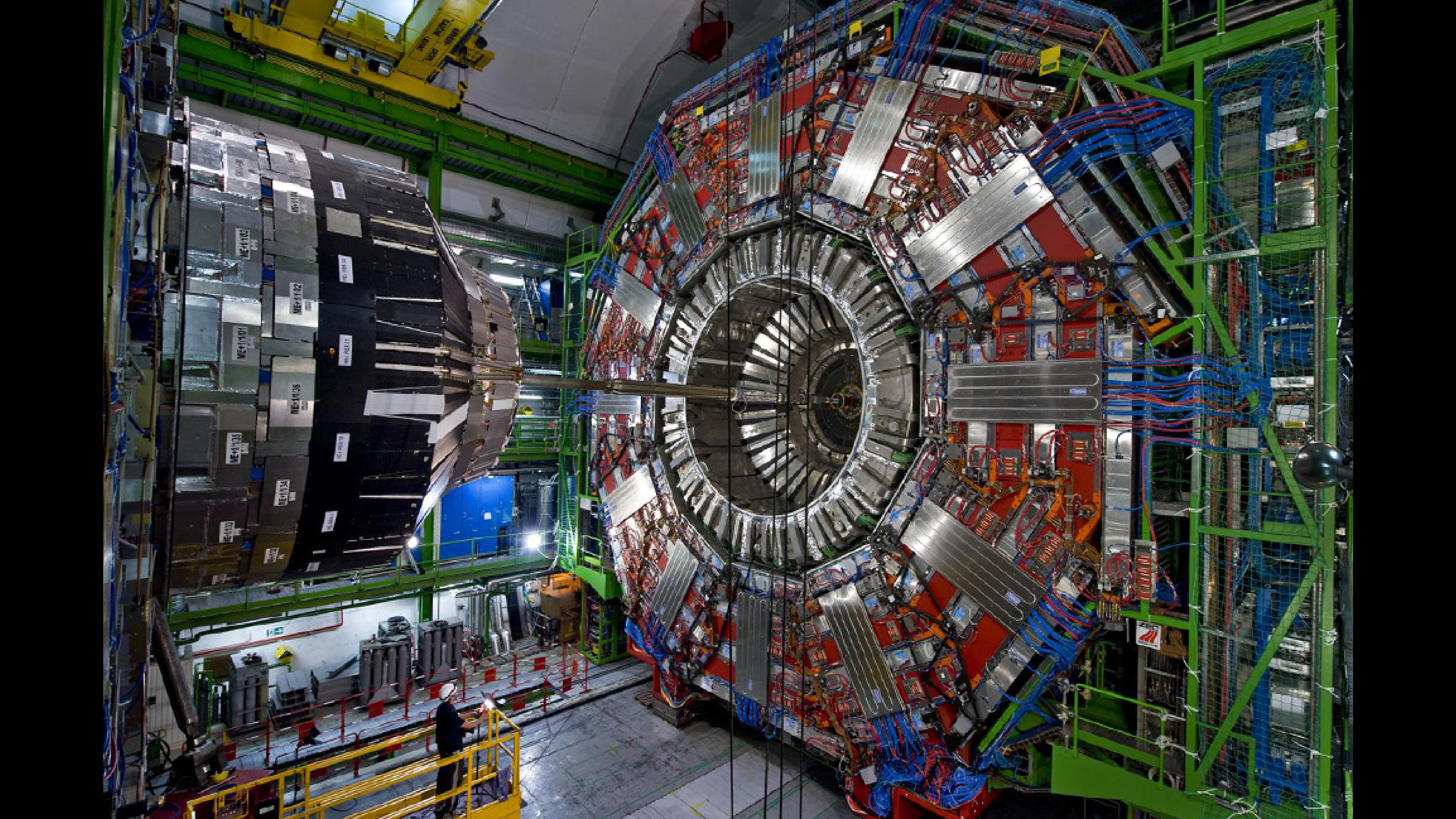
- Majority of time about usage in (name dropping when I can):
  - Government
  - Travel
  - Energy
  - Finance
  - Retail
- Very brief overview of what is JBoss Fuse



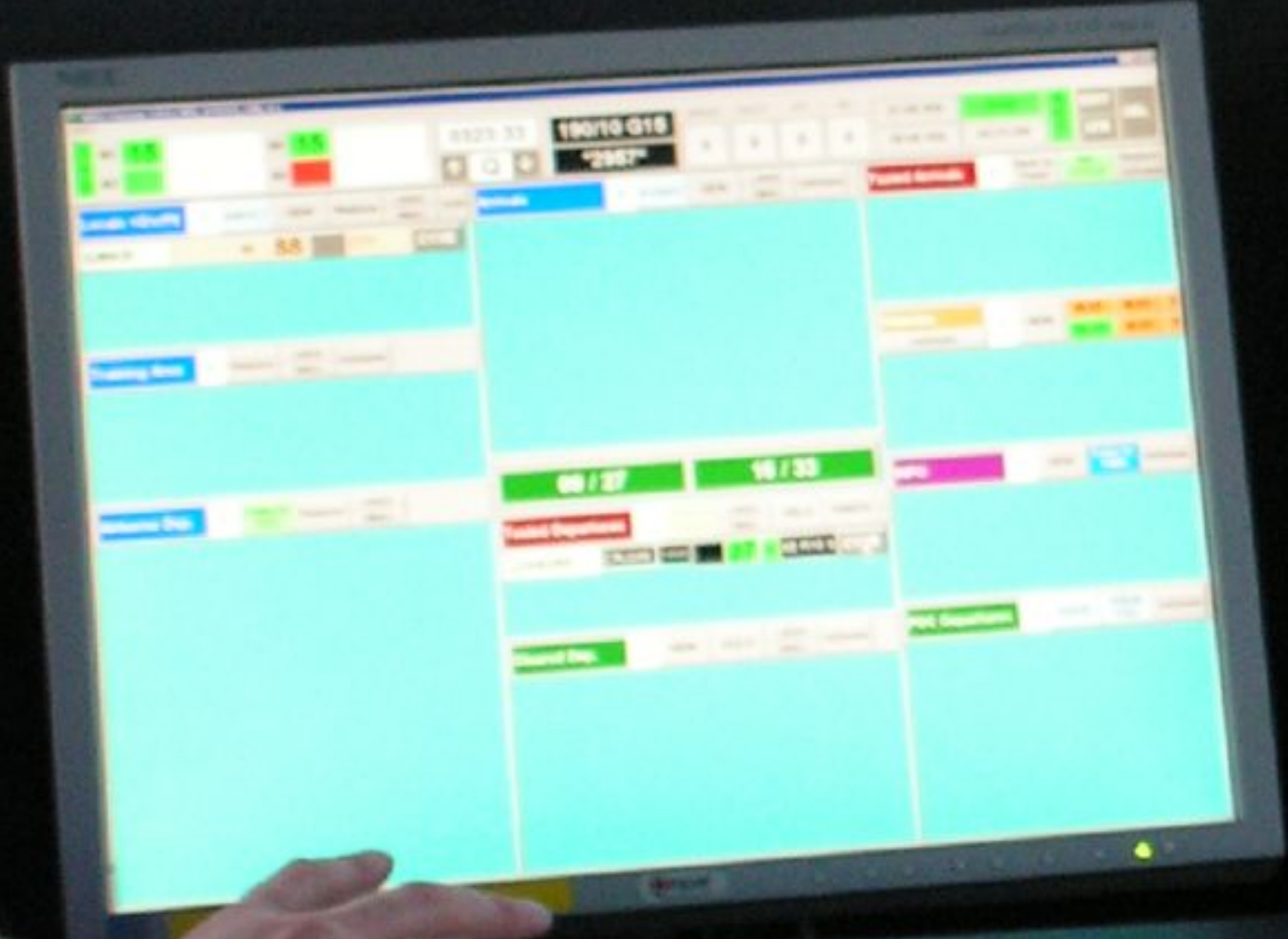






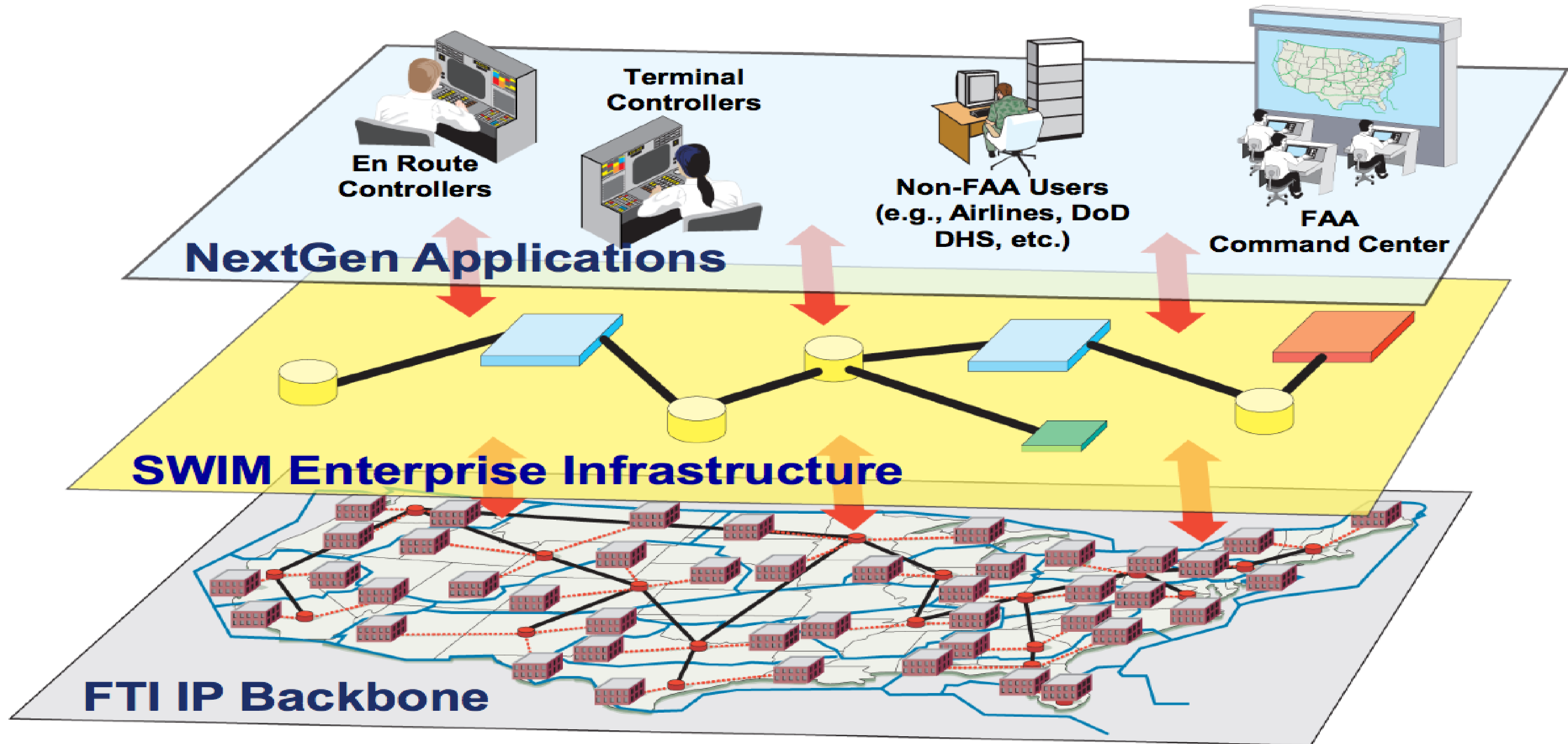




A clipboard on the right side of the console holding a document with a table of flight data. The table has columns for 'Registration No.', 'Route', 'Altitude', and 'Type'. The data is organized into several rows, likely representing different flights or sectors.



# State of the System





# Sabre Holdings

**32,000**

Transactions **every second**

**500 million+**

Transactions **every day**

**100,000+**  
**Computers**

accessing *Sabre* travel  
content globally

**Leading** provider of  
**travel technology**  
products and services  
**on the planet**

**1 million**

Transactions **every**  
**minute**

**180 million+**

Transactions every day  
via **Web services**

**24 hours**

Every day — **seven days**  
a week

It's Always Peak Hour Somewhere In The World

CamelOne 2011

# Sabre Holdings

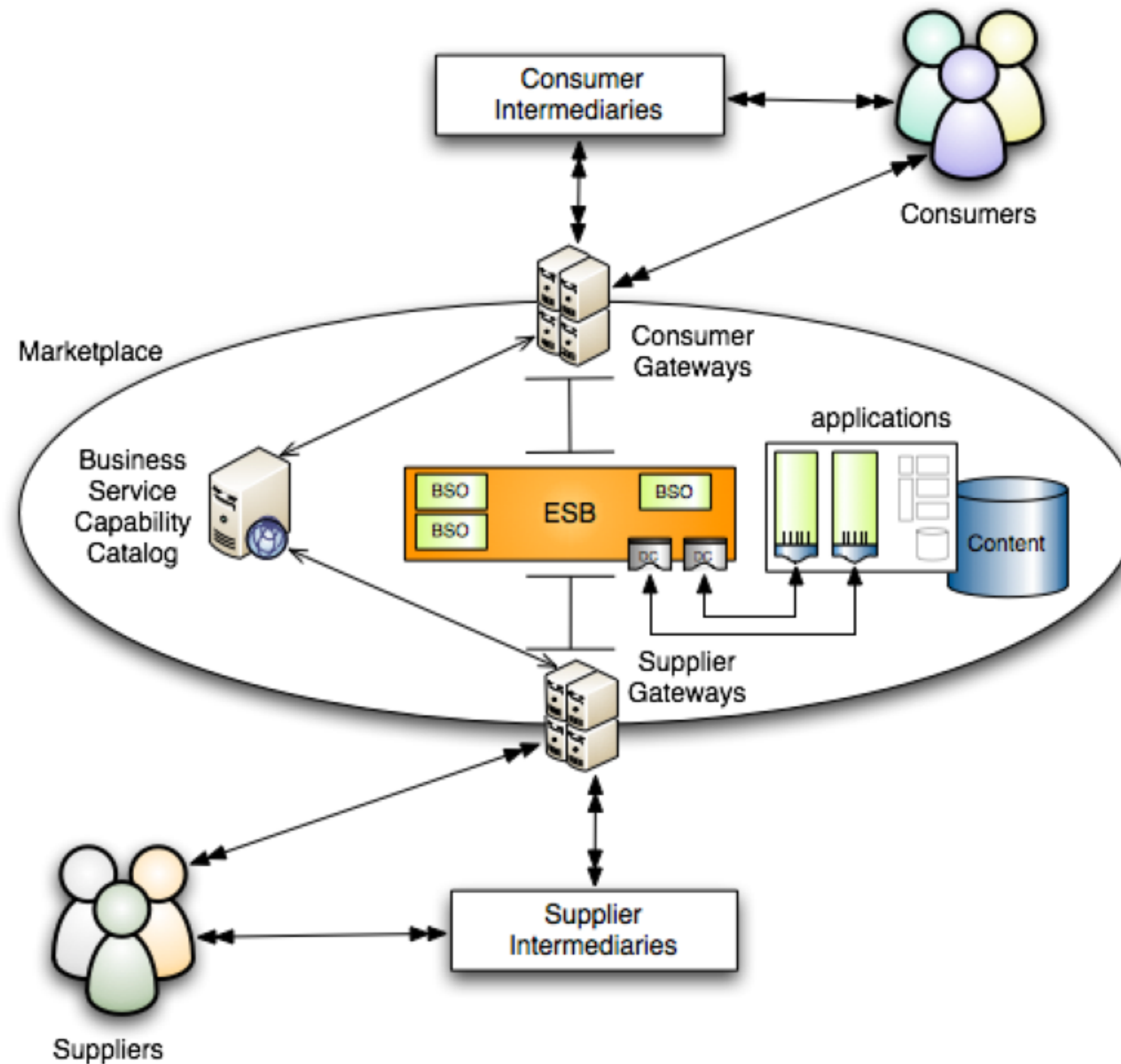


Source: [www.readwriteweb.com](http://www.readwriteweb.com)

CamelOne 2011

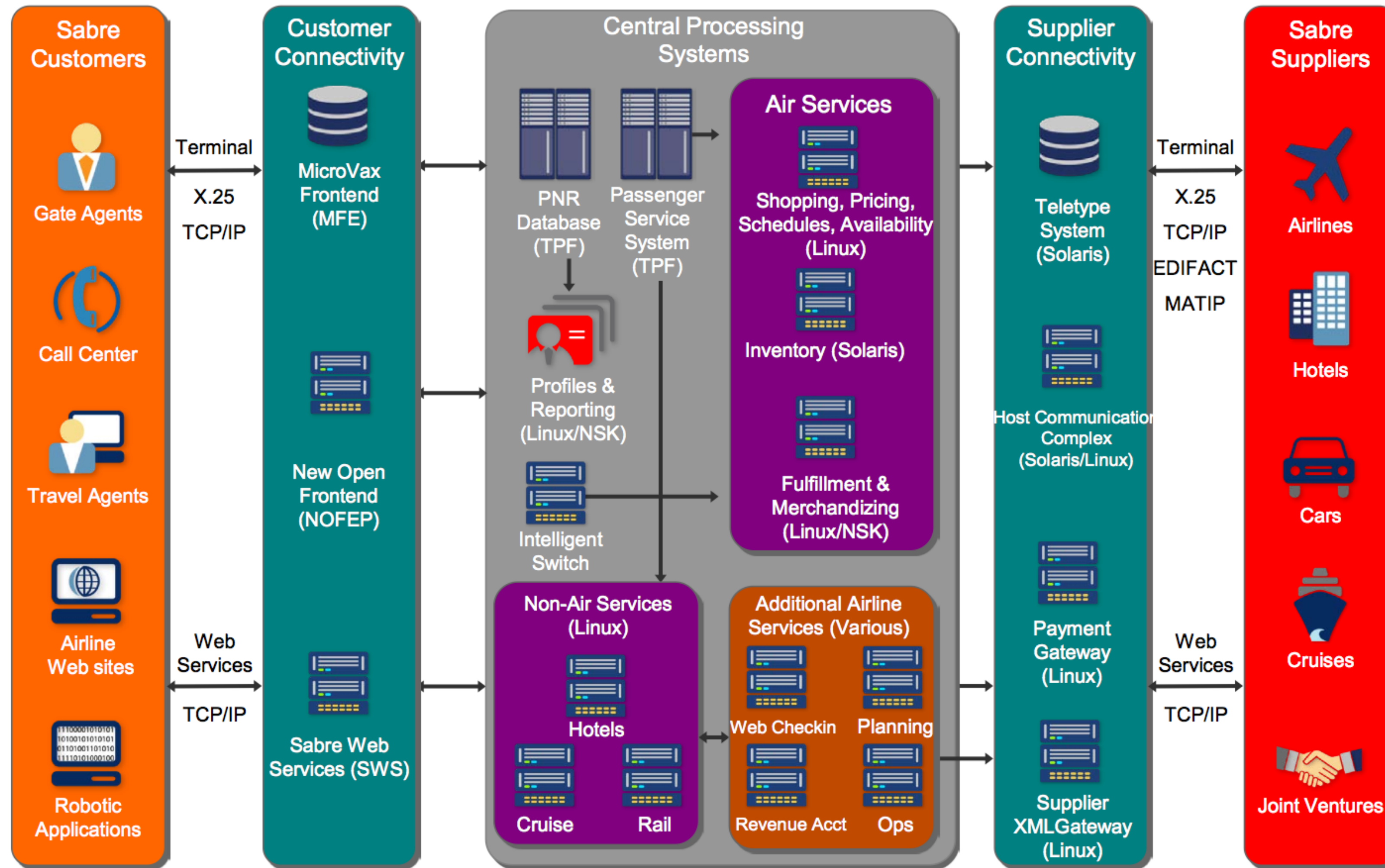


# Sabre Holdings



CamelOne 2011

# Sabre Holdings



CamelOne 2011



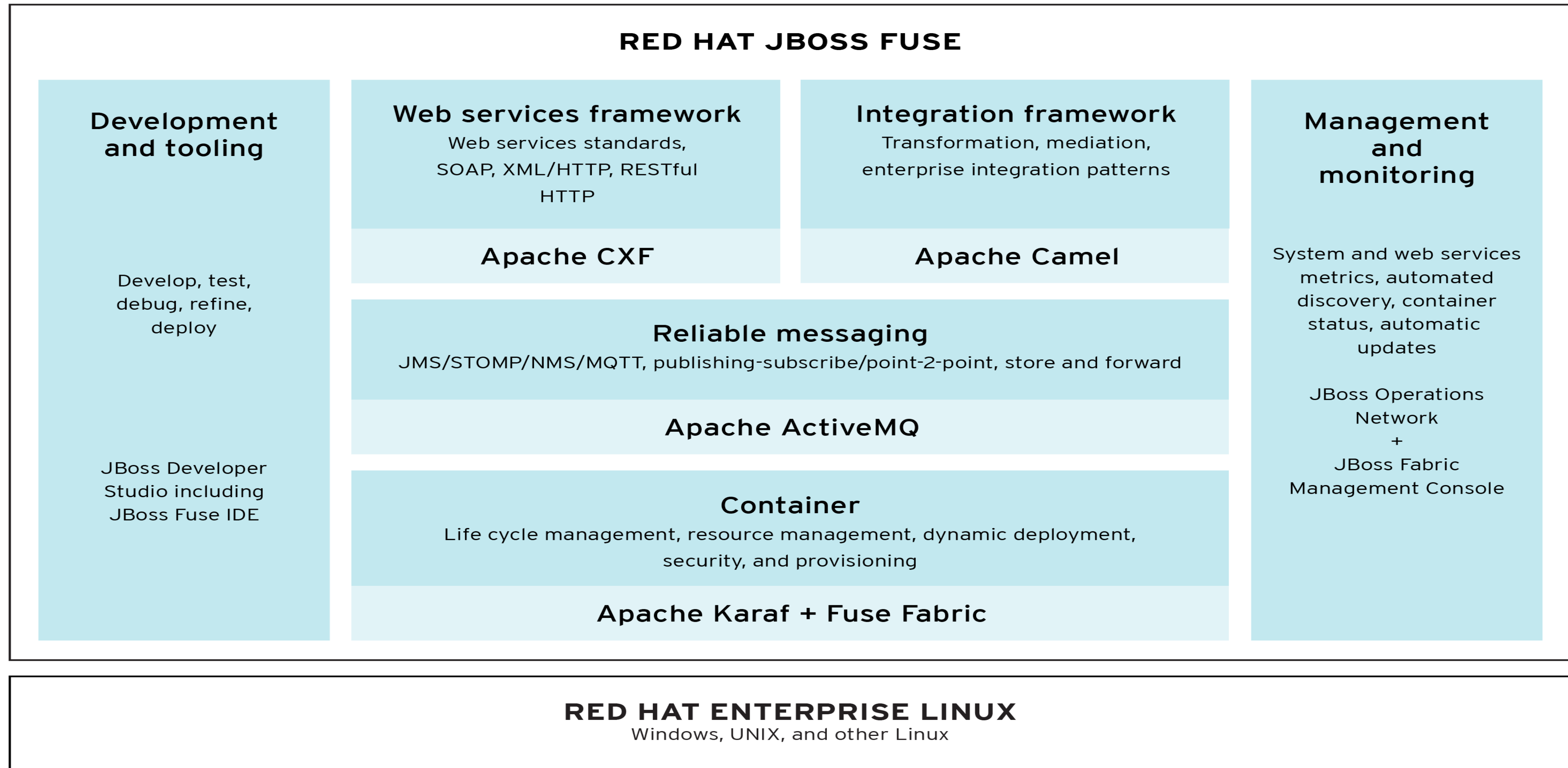
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# What is JBoss Fuse?

# Red Hat JBoss Fuse





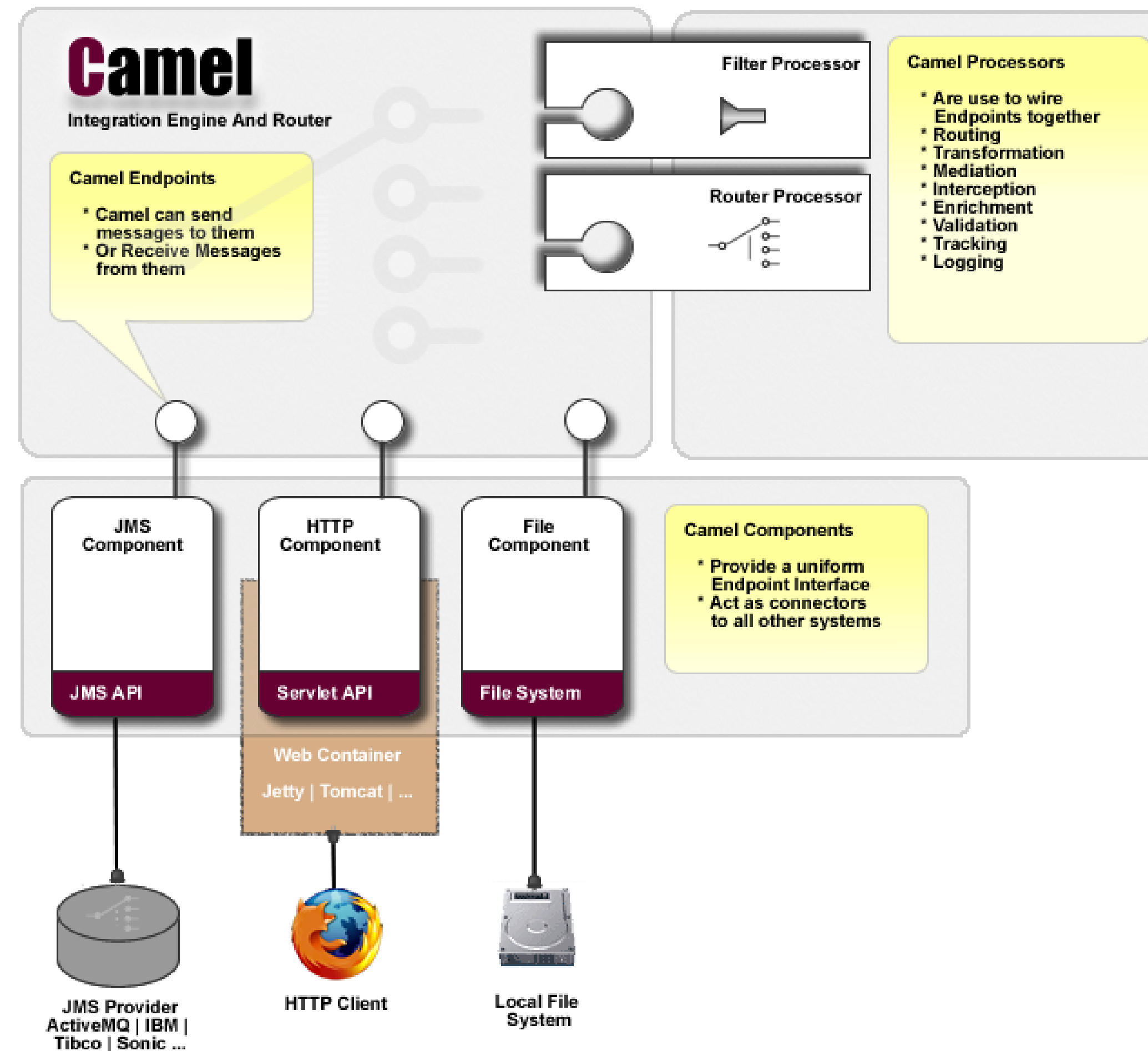
# Red Hat JBoss Integration Portfolio

**Red Hat JBoss Fuse Service Works**  
adds Design and Runtime Governance

**Red Hat JBoss Fuse**  
adds Protocol Mediation and Routing

**Red Hat JBoss A-MQ**  
Reliable Messaging

# Apache Camel





# Apache Camel Example

Pickup files from FTP server foohost in directory bar,  
transform using XSLT file changeme.xslt,  
and put on JMS queue cheese

# Apache Camel Example

Pickup files from FTP server foohost in directory bar,  
transform using XSLT file changeme.xslt,  
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```
from("ftp://foohost/bar")  
  .to("xslt:changeme.xslt")  
  .to("jms:queue:cheese");
```



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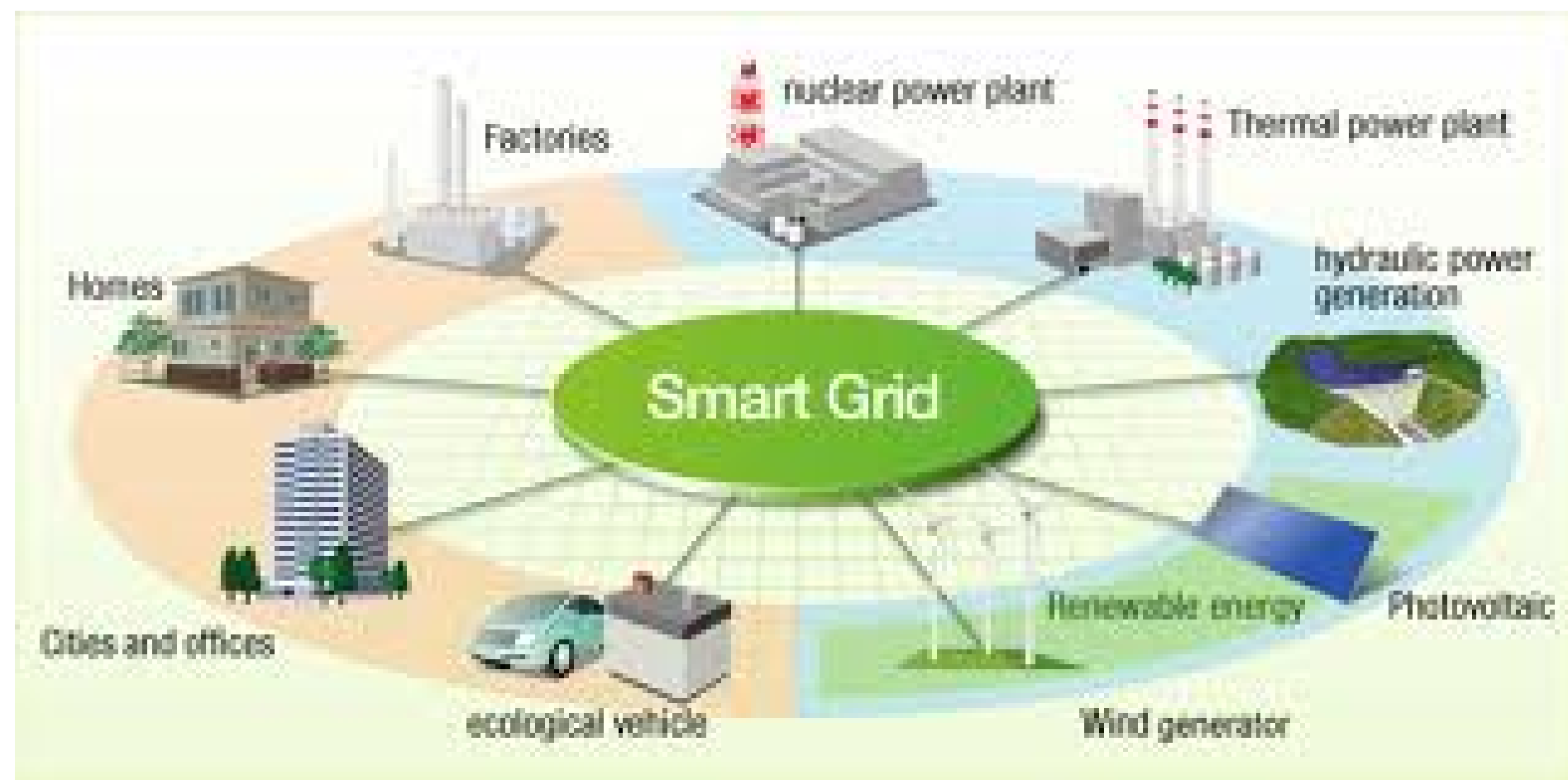
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# Back to our Examples

# What's Common with these Applications?

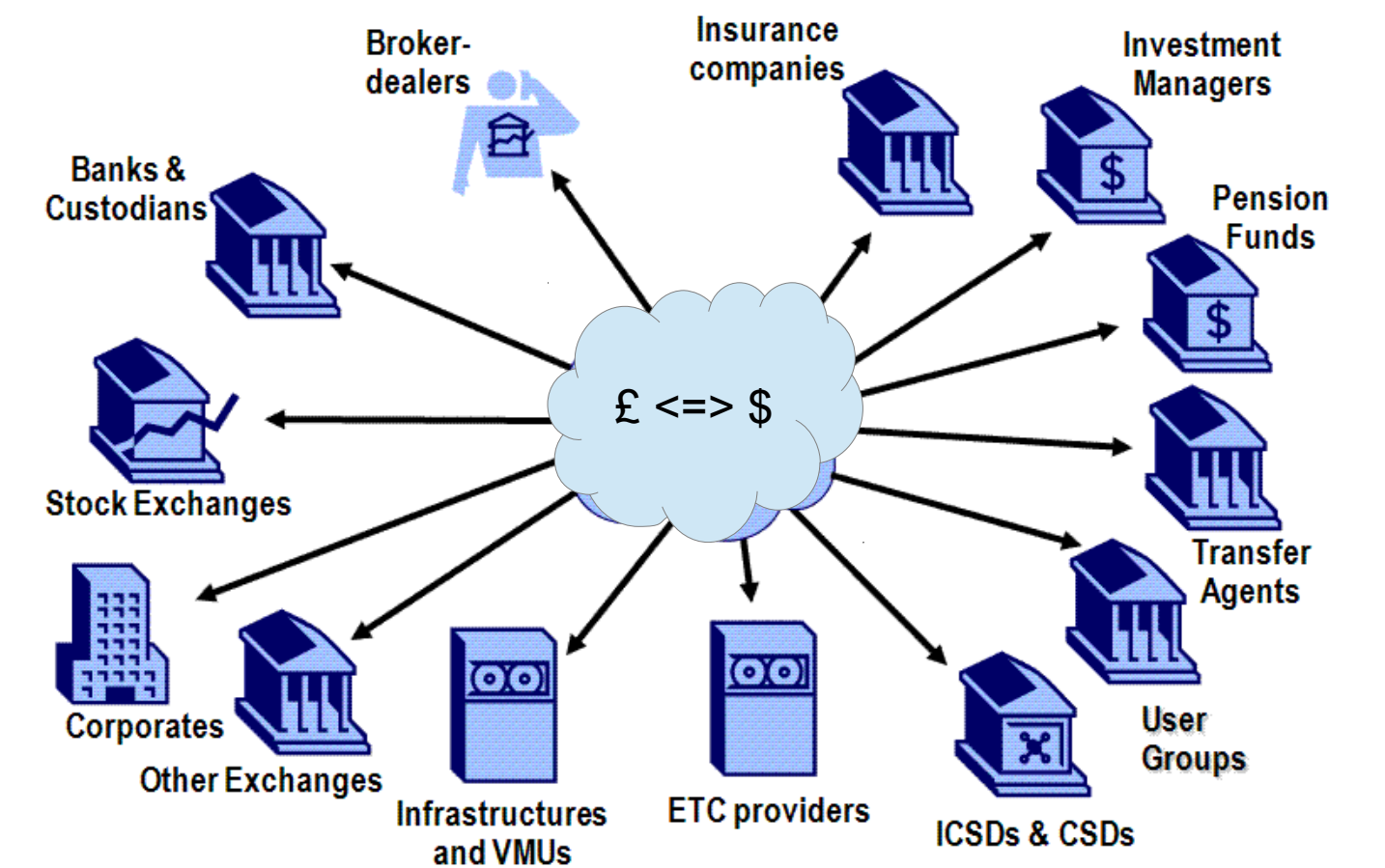
Smart Grid



Mobile API



Inter Banking





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# SpecSavers

UK eyewear chain – Specsavers



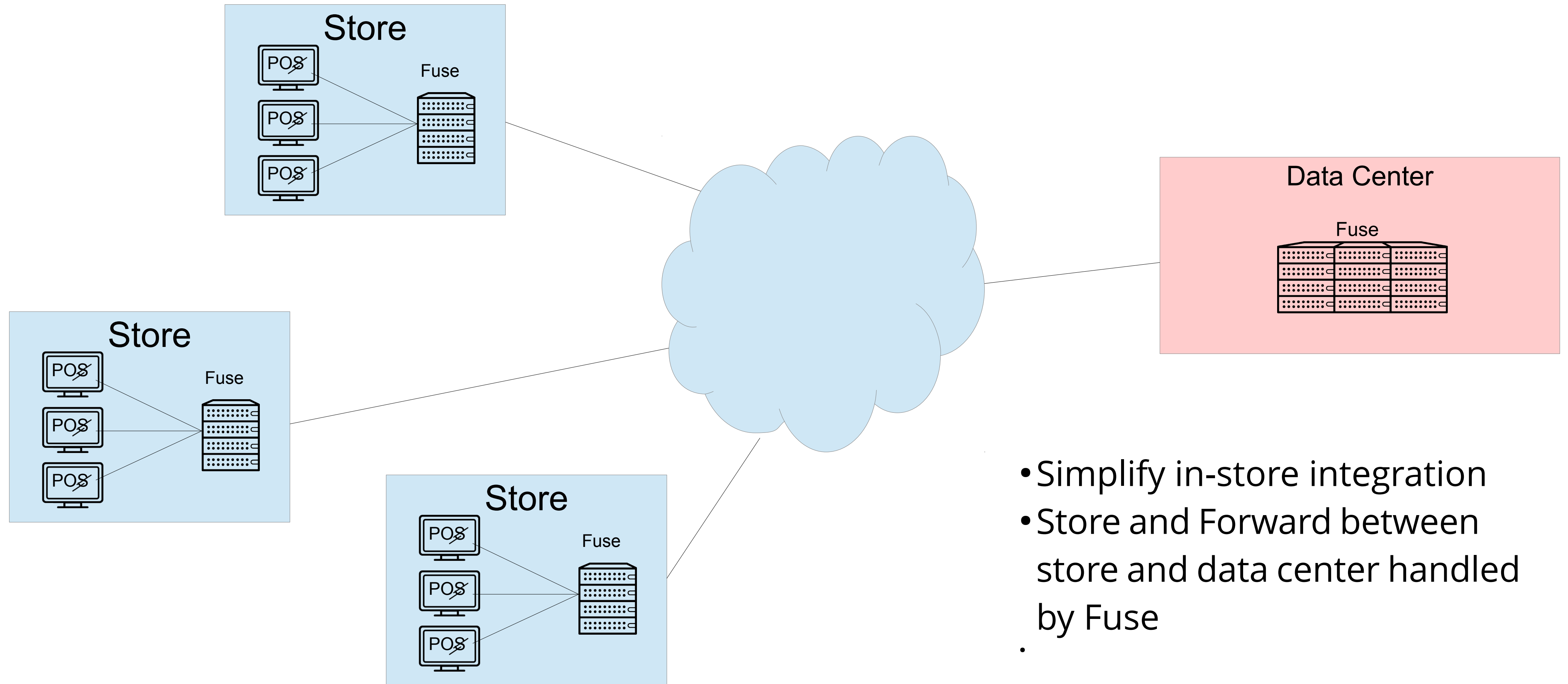
- Was relying on batch delivery of inventory and cash register data, because that was what they could afford
- Out-of-date data was limiting the efficiency of operations

## Challenges:

- Over 2,000+ retail outlets, and needed a solution that would distribute and scale
- Outlets are not equipped with large servers or IT staff



# Retail Architecture





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# Journey Continues...



*~Bricknave*



# Recent and Near Future...

- Recent Adds to JBoss Fuse
  - Fabric8 (<http://fabric8.io>) - scale out management
    - Elastic provisioning and configuration management
    - Since JBoss Fuse 6.0; recently renamed in community
  - Hawtio (<http://hawt.io>) - pluggable web console
    - Fuse Management Console – JBoss Fuse 6.1
- Moving towards iPaaS (integration platform as a service)
  - Fuse + OpenShift – integration with continuous deployment



# More Information...

- <http://camelone.org>
- <http://www.redhat.com/products/jbossenterprisemiddleware/fuse>
- <http://www.jboss.org/products/fuse>
- <https://www.openshift.com/developers/jboss-fuse>