

RED HAT
SUMMIT

Migrating from Monolithic Integration to Agile Integration

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May 10th, 2018



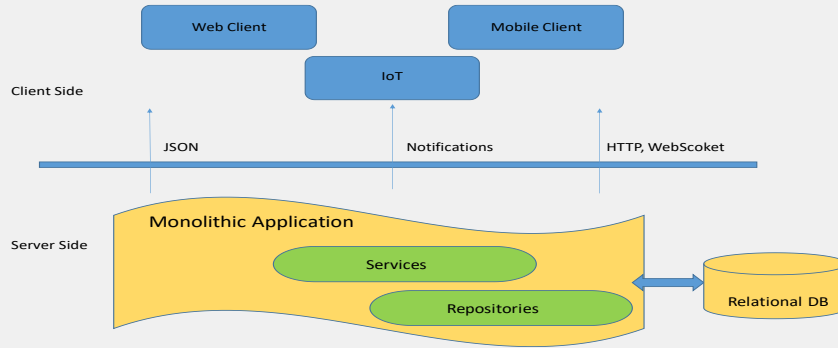
Who is InComm?

- InComm is a leading provider of cutting-edge prepaid products.
- Our products are available through over 255,000 retail locations internationally.
- 25 Years of innovation with 246 global patents.

InComm's mission

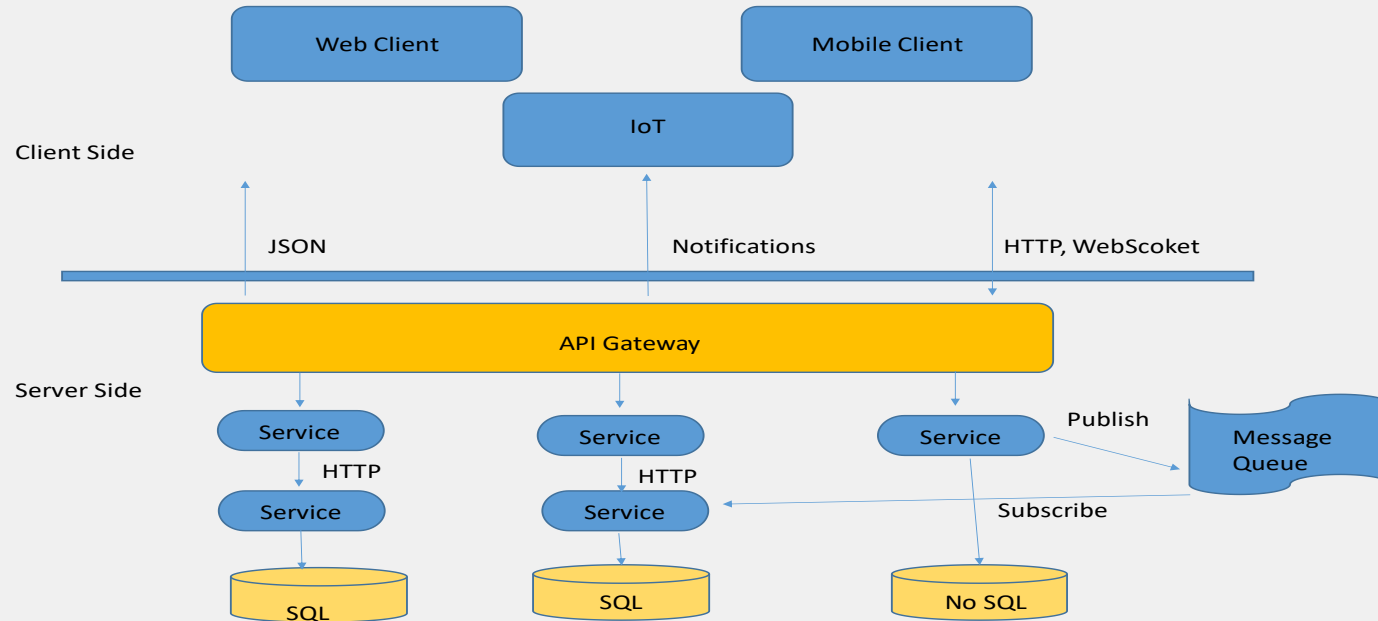
Is to be the network that transforms the global commerce experience through innovative payments technology for retailers, brands and consumers.

Monolithic Architecture



- Monolithic applications are hard to manage.
- No single developer understands the entire application.
- Longer release cycles impact speed to market.

Microservices Architecture



Microservices Architecture

- Can be broken down into multiple component services without compromising the integrity of an application.
- Gives developers the freedom to independently develop and deploy services.
- Better fault isolation.
- Code for different services can be written in different languages.
- Easy integration and automatic deployment.
- The microservice architecture enables continuous delivery.
- Represents a small piece of functionality, and easy to modify for developers, thus they can help a new team member become productive quickly.
- The code is organized around business capabilities.
- Scalable and reusable, as well as efficient.

TIBCO ESB

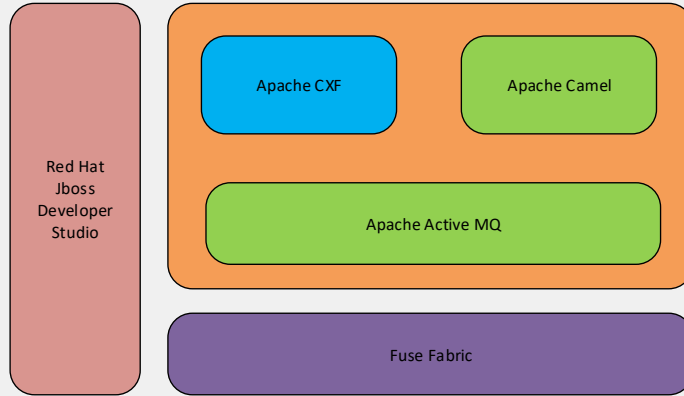
Components used

- Business Works (BW) -- 6.2
- EMS -- 8.2
- API Exchange Gateway -- 2.1

Drawbacks

- Insufficient support for media-types in webservice requests.
- Software load balancer on BW component resubmits request in case of timeout.
- Multiple version upgrades in a short time.
- Not very user friendly UI for config and Enterprise Administration (TEA).

What is in Jboss Fuse



JBoss Fuse

- Uses all open source technologies (Camel, CXF, Karaf, ActiveMQ)
- Supports multiple media types.
- Better development experience (JBDS)
- Container based architecture
- 50+ Enterprise Integration Patterns (EIPs)
- 200+ Endpoint Comments
- Speed to market

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