

# APIs and more

The API Economy  
challenges



# Integration evolution

---



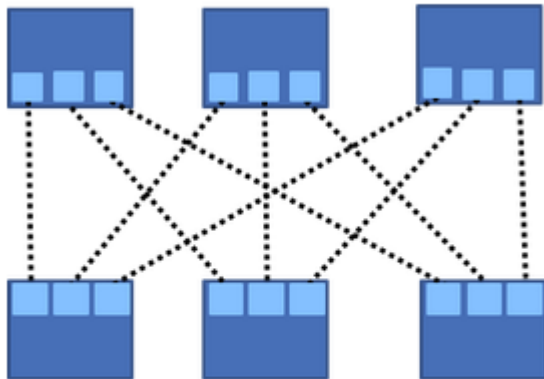
MAKING YOUR DAY



Platinum Partner

# System to System

Point to point



 Integration code  
 Application



Difficult Maintenance



Tight Coupling



Where is the documentation?

# Enterprise Service Bus Era

---

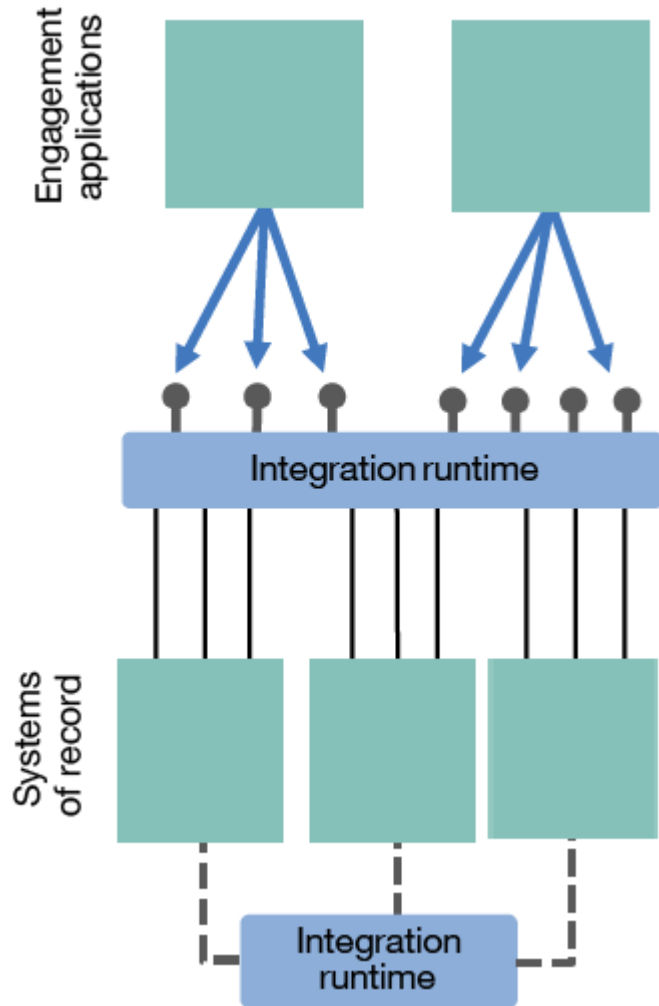


MAKING YOUR DAY



Platinum Partner

# Enterprise Service Bus ESB



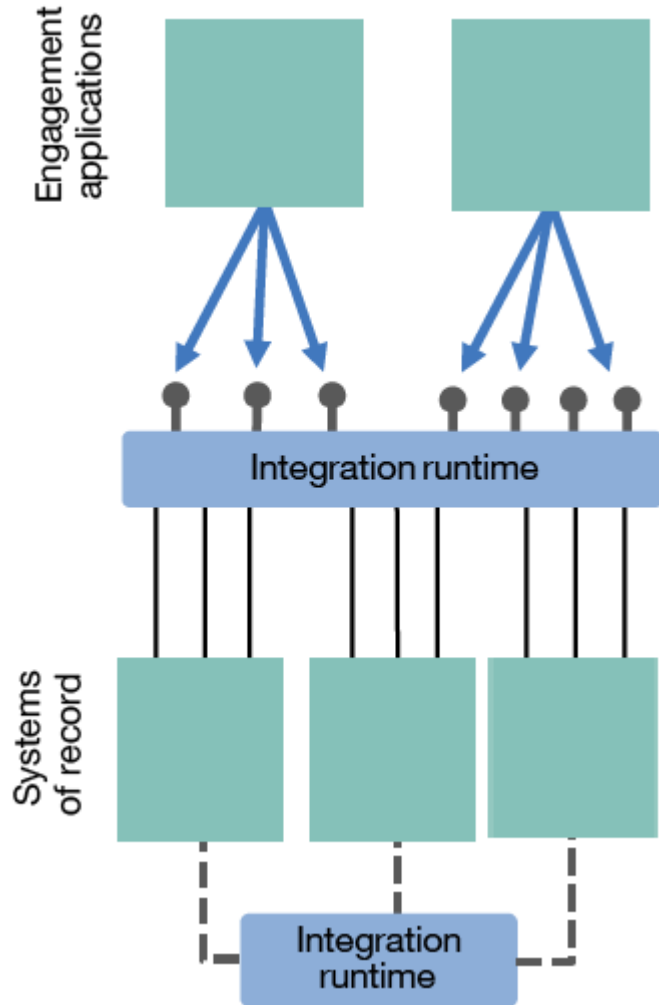
Easy Maintenance

Fast integration with new systems

Modernization of legacy systems

Orchestration and transformation

# ESB Challenges



Separation of internal/external APIs



Security



Documentation



Analytics

# The dawn of API Management

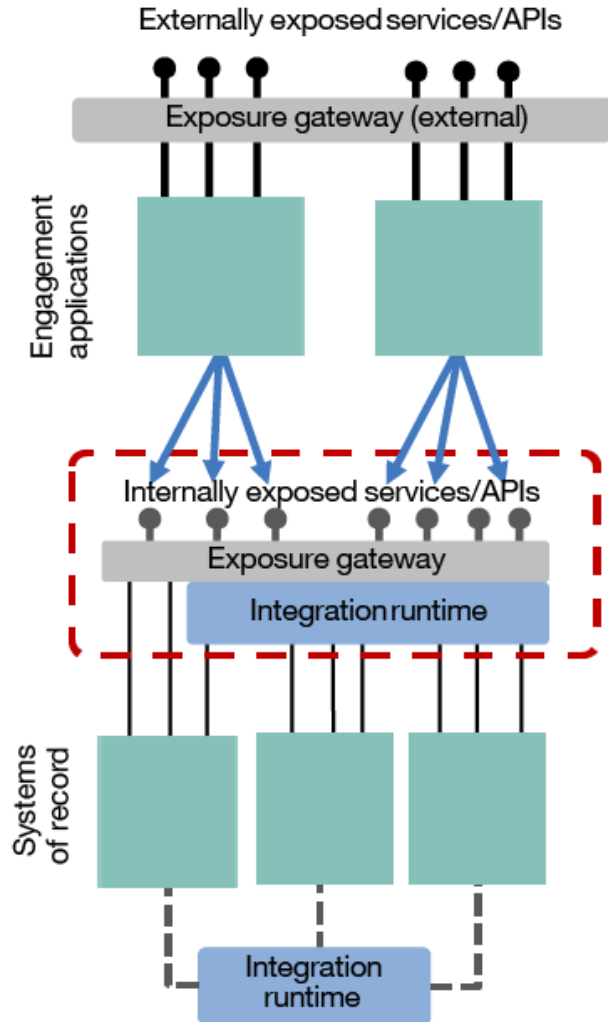


MAKING YOUR DAY



Platinum Partner

# API Management



Internal/external APIs

Security

Documentation

Analytics

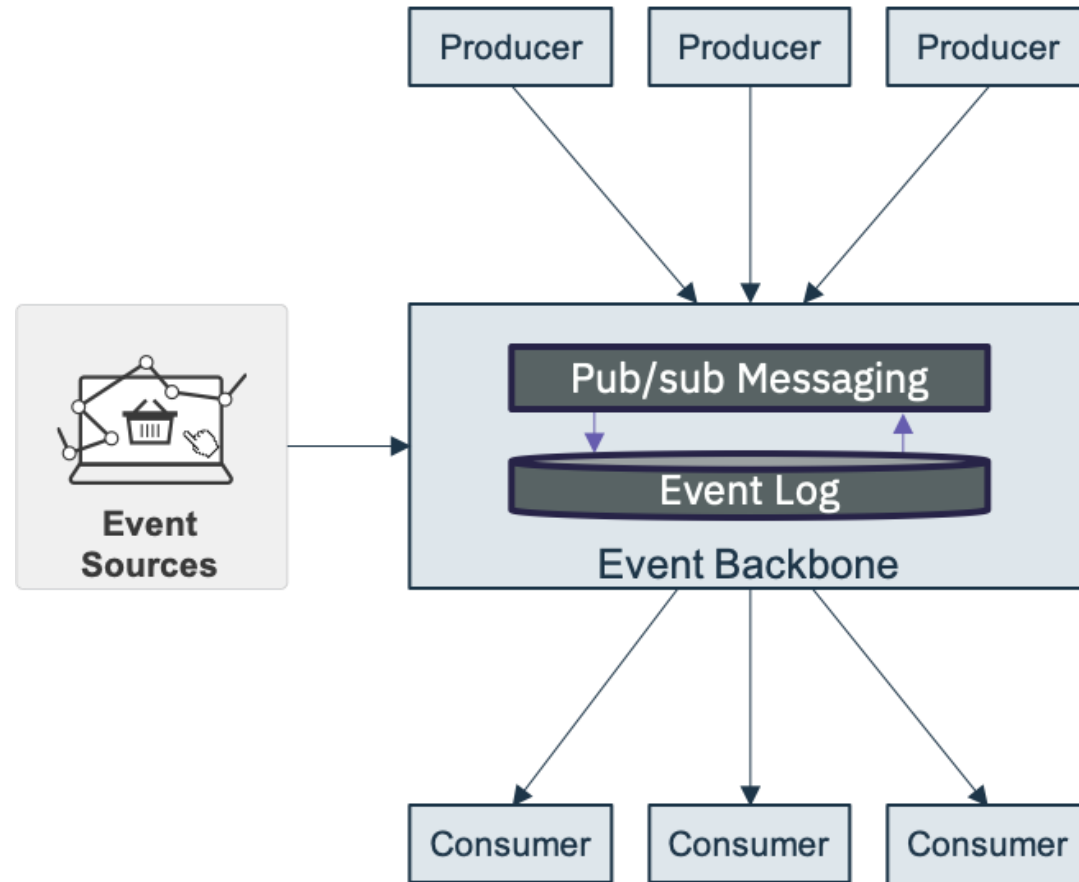


# What's next?

Let's stream some events

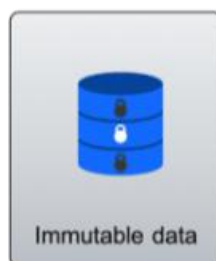
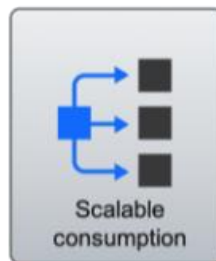
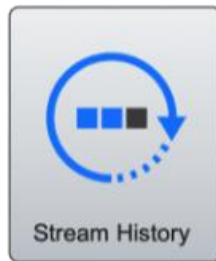


# The Concept

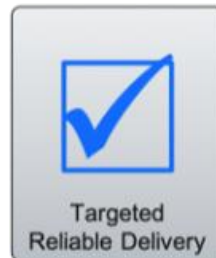
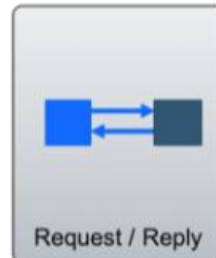
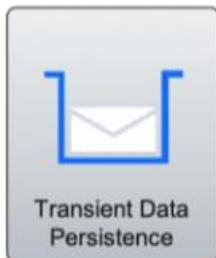


# The Difference

Events



Messaging



History of events

Multiple subscribers

Immutable

# The Benefits



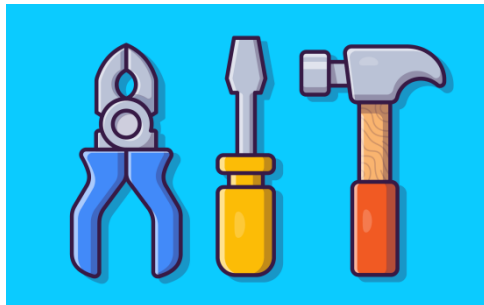
Scalability

Real-time data

Decoupled systems

Flexibility

# Event Type's



Business events

System events

Technical events



# Event-Driven APIs How to?

## 5-step process:

**Discover**

**Assess**

**Bundle**

**Publish**

**Manage**



# Item Availability

Item availability via synchronous Service-oriented architecture

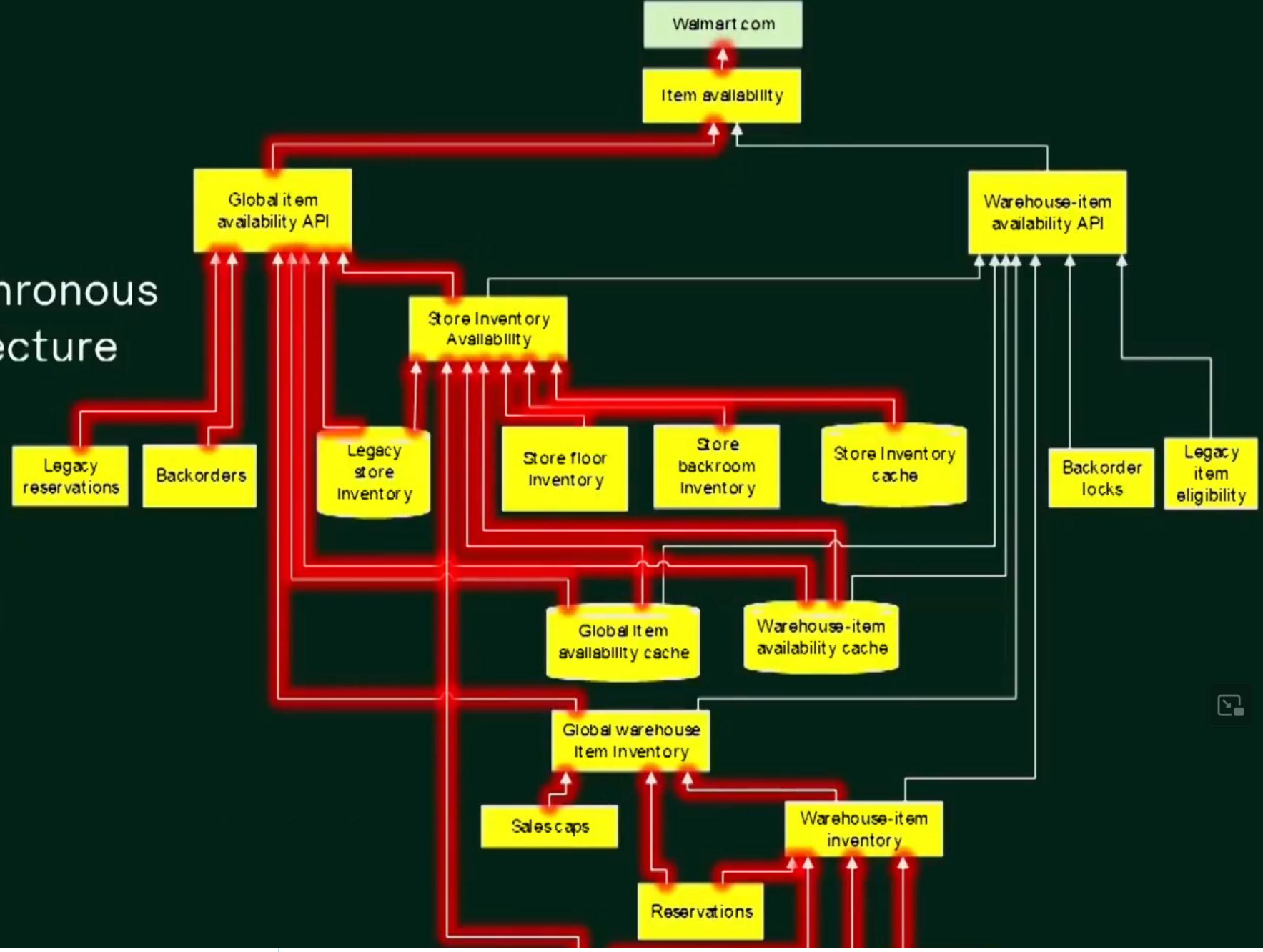
SLA: 99.98% uptime @ 300ms

requires

23 service calls

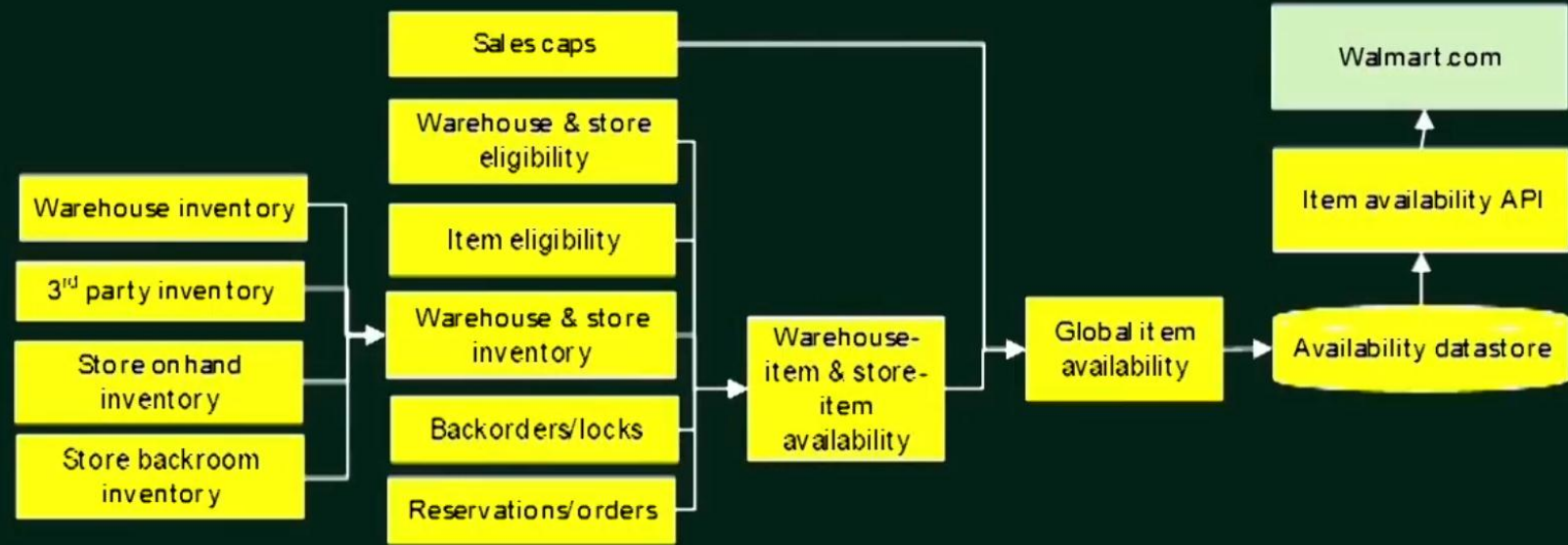
99.999% uptime

@ 50ms mean processing SLO



# Item Availability

## Item availability via Event-driven architecture





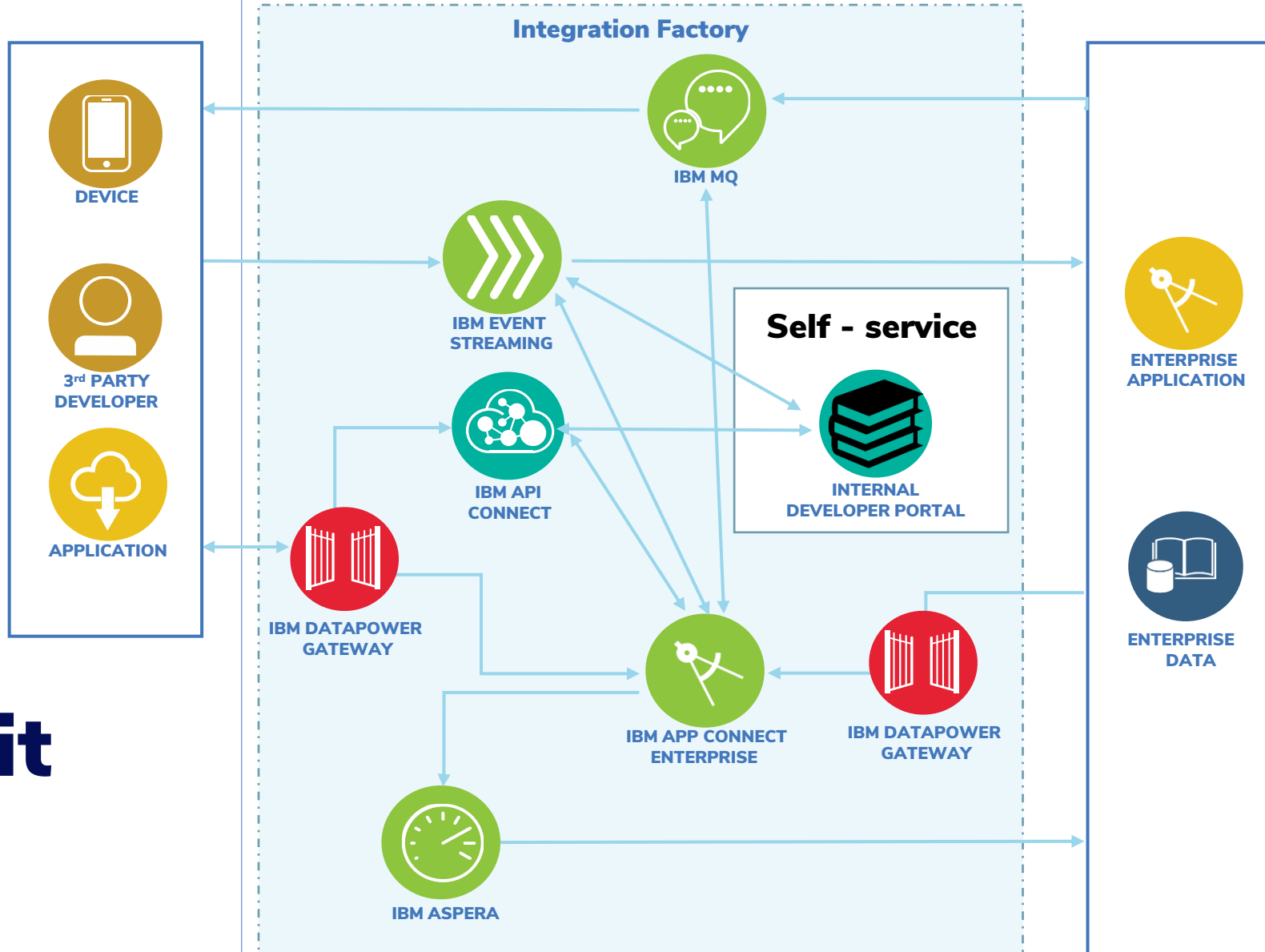
# IBM portfolio

Integration like no  
other

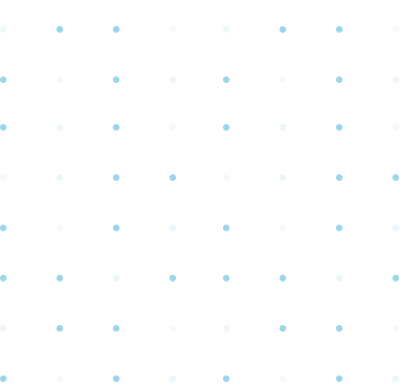


PUBLIC NETWORK

ENTERPRISE NETWORK



**IBM has it ALL**



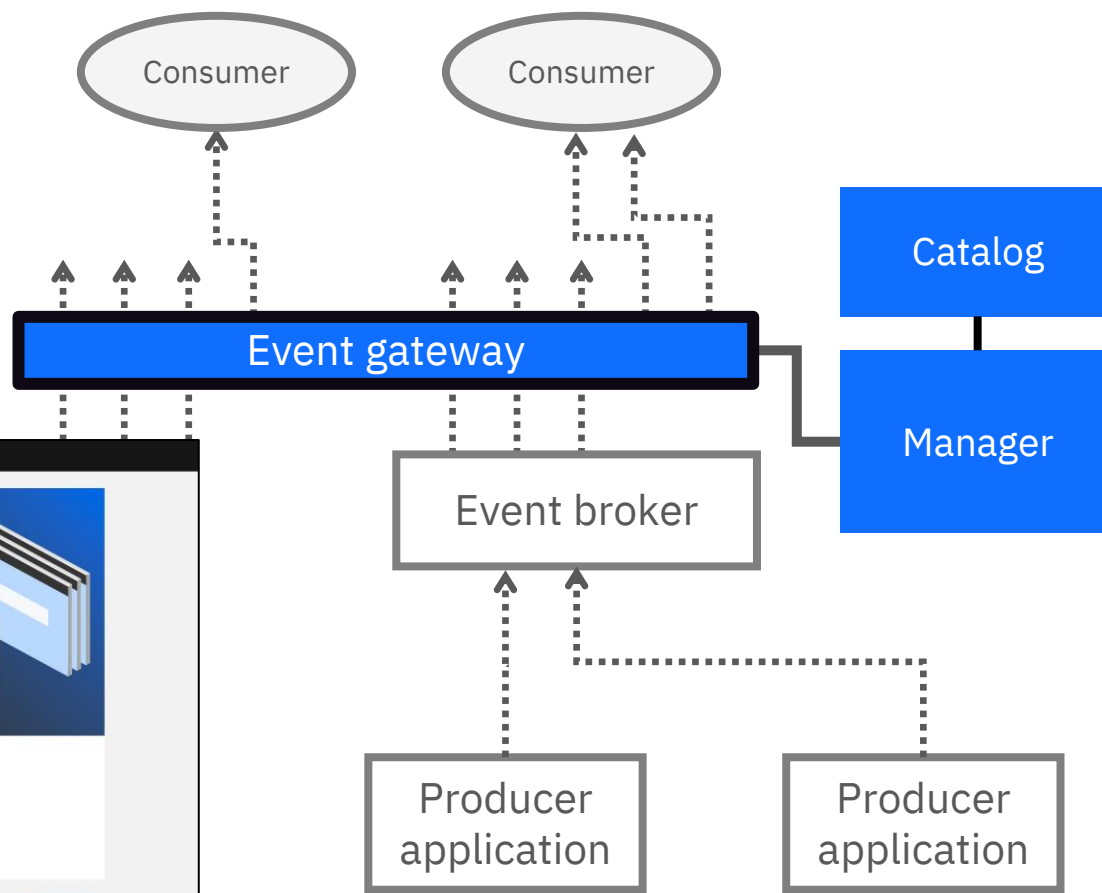
# IBM Event Automation

Event Streaming

Event Endpoint Management

Event Processing

# IBM Event Endpoint Management



IBM Event Automation - Event Endpoint Management

IBM Event Automation  
Welcome to Event Endpoint Management.

**Subscribing to topics**  
Subscribe to selected topics in a self-service manner by generating the required access credentials.  
[Read more](#)

**Consuming from a topic**  
Configure your applications to consume events from the selected topic.  
[Read more](#)

**Resources**  
Documentation  
Contact IBM Support

[Hide welcome](#)

### Catalog

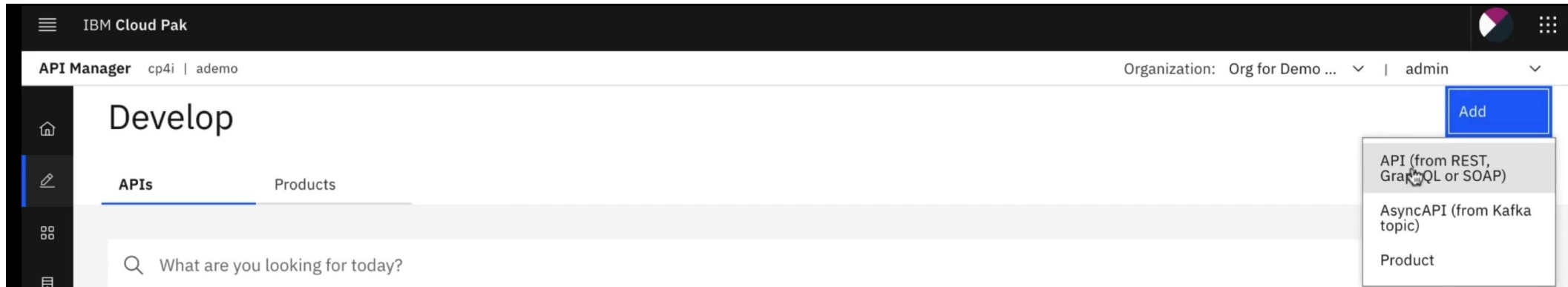
Browse topics that represent event sources. Find out more about the kind of event data available.

Topic name	Description	Tags
<a href="#">ORDERS</a>	Events from the Modjo Jeans order management sys...	orders retail
<a href="#">CANCELLATIONS</a>	Events for order cancellations recorded by the Mod...	orders retail
<a href="#">DOOR.BADGE.IN</a>	Records a Modjo Jeans employee using their id badg...	employees
<a href="#">STOCK.MOVEMENT</a>	This topic tracks movement to, from, and between ...	stock
<a href="#">NEW.CUSTOMERS</a>	New customer registrations from the Modjo Jeans cu...	retail customers

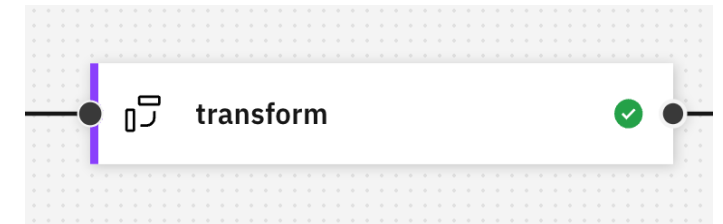
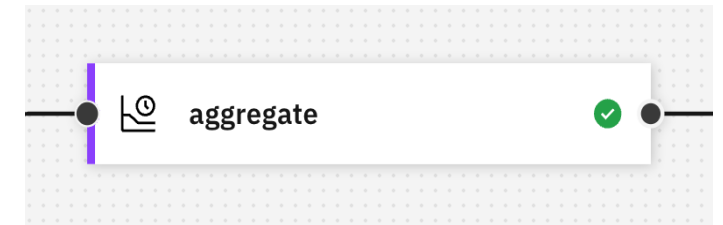
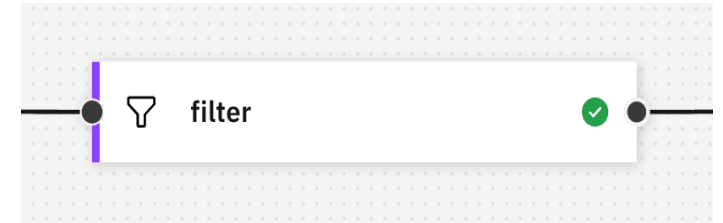
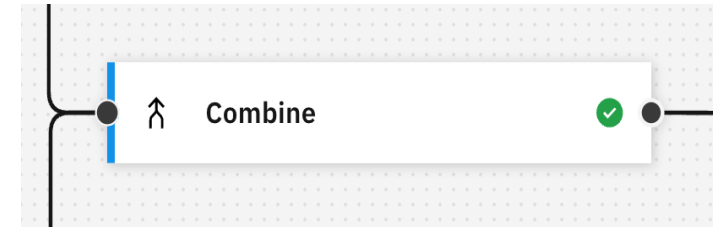
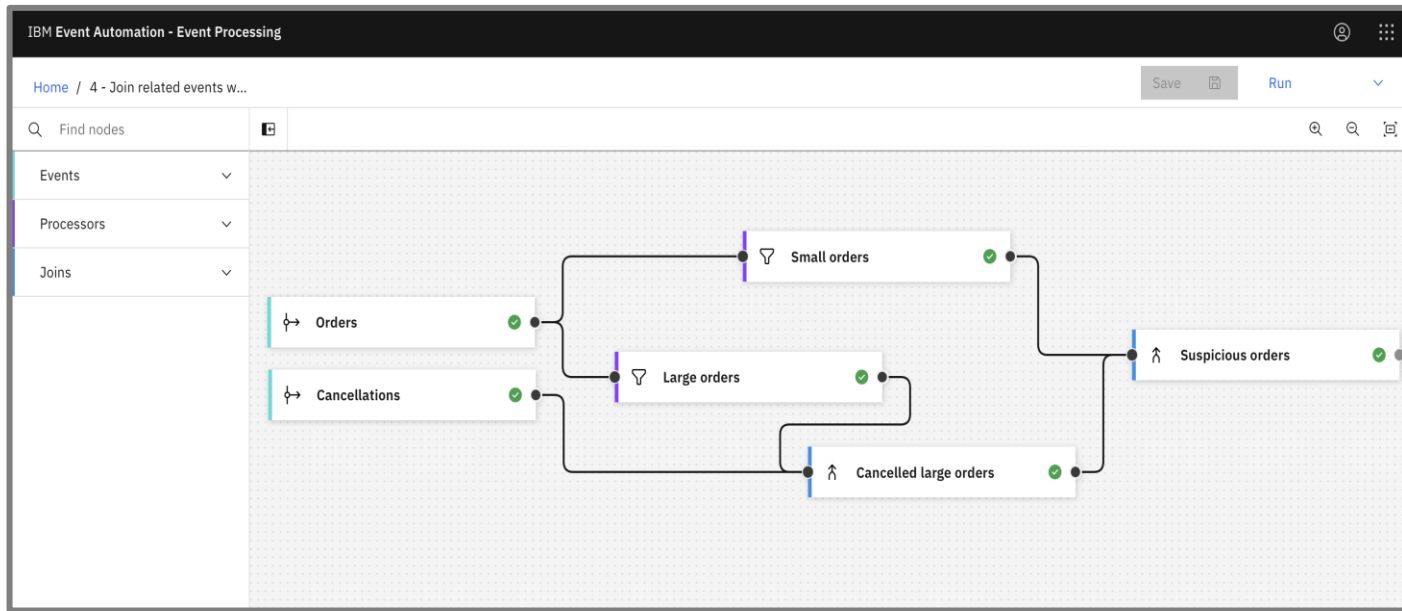
Rows per page: 10 Showing 1 - 5 of 5 items 1 of 1 page



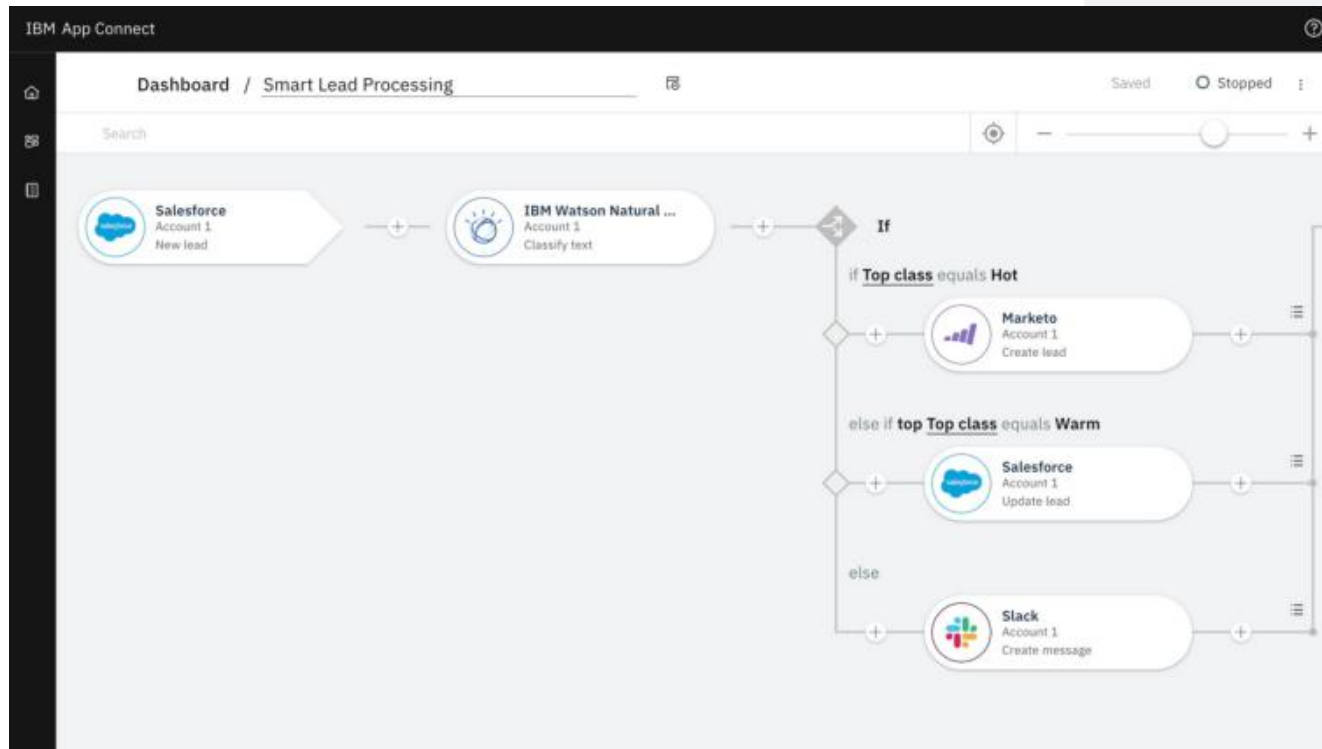
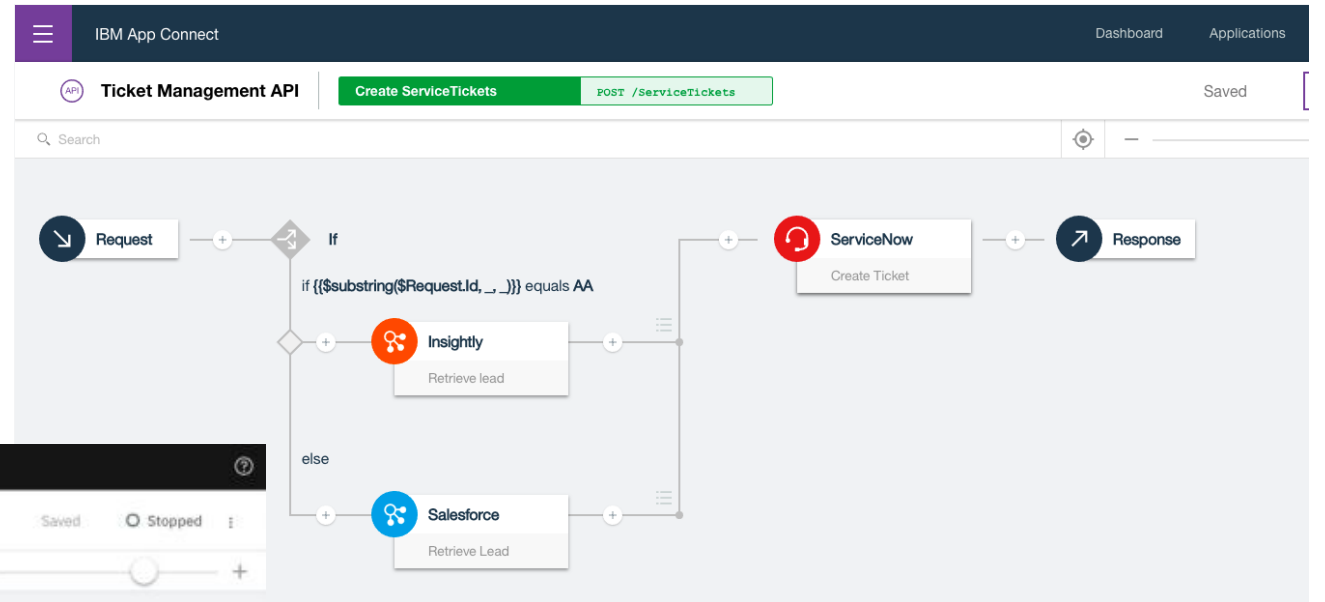
# One portal for Rest API & Event Driven API



# IBM Event Processing



# IBM App Connect Designer



# Why this matters?

Integration like no other



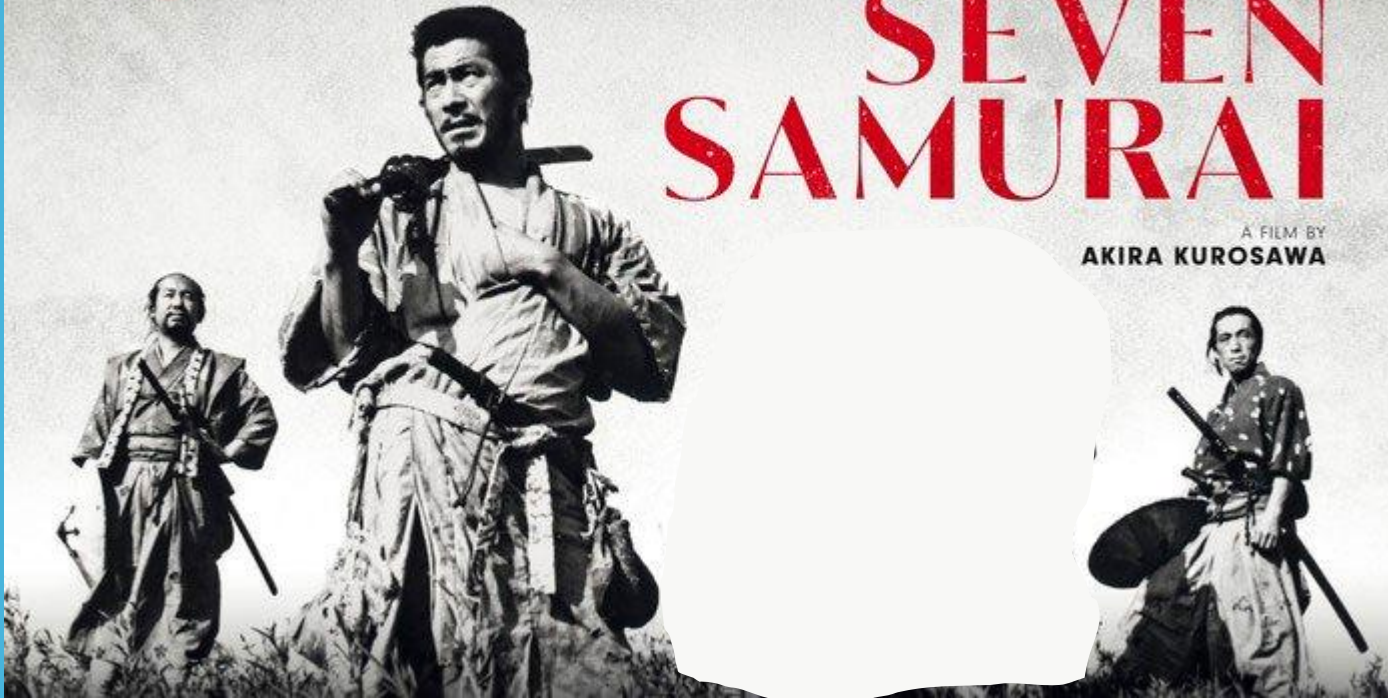




THE GREATEST FOREIGN LANGUAGE FILM EVER  
BBC CULTURE

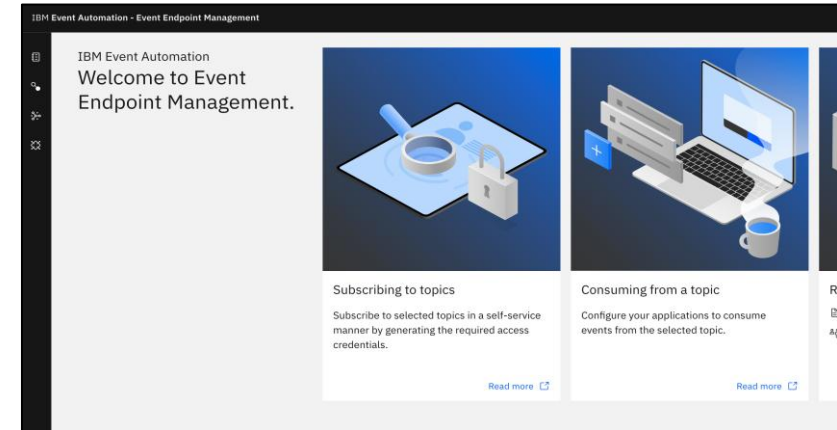
# SEVEN SAMURAI

A FILM BY  
AKIRA KUROSAWA

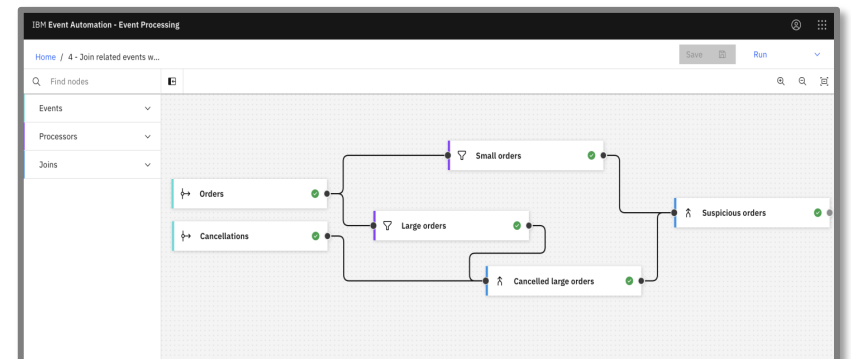


# Empower Self-service

## Self-Service API portals



## Integration for business users



# IBS's API Economy?

The experiment





# Welcome to our API Marketplace

The API portal where you will find a great selection of urban mobility APIs for your awesome innovative apps



## Parking Lots Sandbox

Provide information about free buffer parking lots

[Details >](#)



## Parking Lots

API for blue/green zones.

[Details >](#)



## Parking Sandbox

Provide information about short-term paid parking zone

[Details >](#)

[www.ibs.bg](http://www.ibs.bg)

# Next-generation Integration require next-generation Integration Factory Builders!



MAKING YOUR DAY



Platinum Partner