IBM **Integration**

The future of managing events

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Business Demands a New Level of Agility

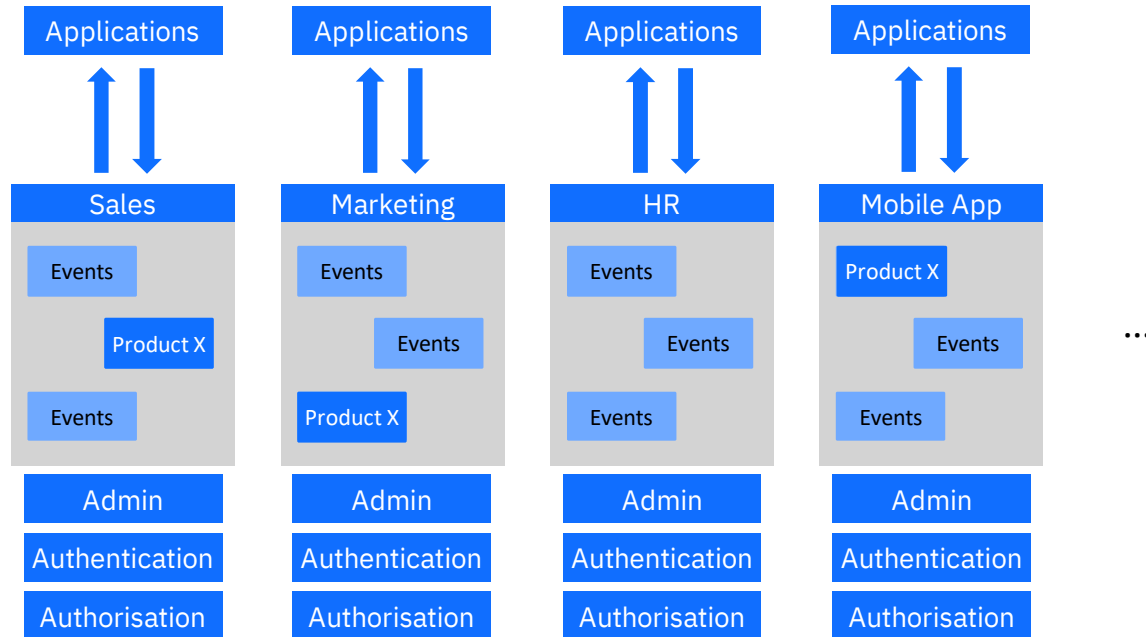**React** to events in real time, as they happen

Deliver **responsive** & **personalised** customer experiences

Uncover new **insights** about your business & respond **fast**

2

With new systems comes new challenges

Applications	Applications	Applications	Applications

Sales	Marketing	HR	Mobile App
Events	Events	Events	Product X
Product X	Events	Events	Events
Events	Product X	Events	Events

...

Admin	Admin	Admin	Admin
Authentication	Authentication	Authentication	Authentication
Authorisation	Authorisation	Authorisation	Authorisation

Engaging and Intelligent apps

Responsive experiences

Event Endpoint Management

Event Transport

Described

Discoverable

Decentralised

Decoupled

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Describing Events
Events need to be described so developers can quickly understand what they are and how to consume them

- Understood by people
- Supported by tooling
- Consistent with API definitions

AsyncAPI

OPENAPI INITIATIVE

IBM already contributing into the **Async API** specification

https://github.com/asyncapi/bindings/tree/master/ibmmq

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Discovering events exists
An interface that cannot be found is no use to anyone

- Catalogued in one place
- Searchable
- Understandable and ready to consume

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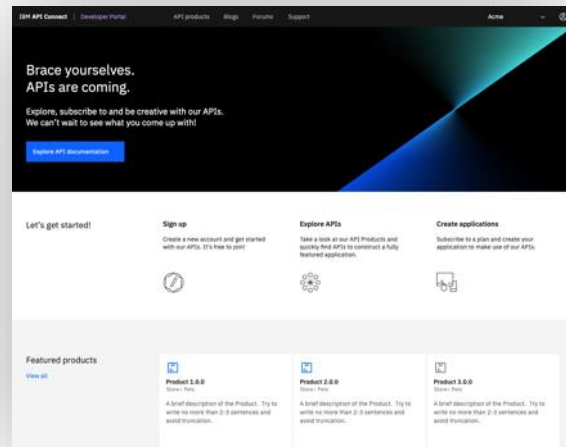
Decentralise access
Innovation flows best when people have the freedom to explore

- Self-service access
- Policy based controls and enforcement
- Trackable use

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Decoupled systems
Loosely coupled systems are more flexible and less fragile. The technology emitting the event should not dictate how it must be consumed

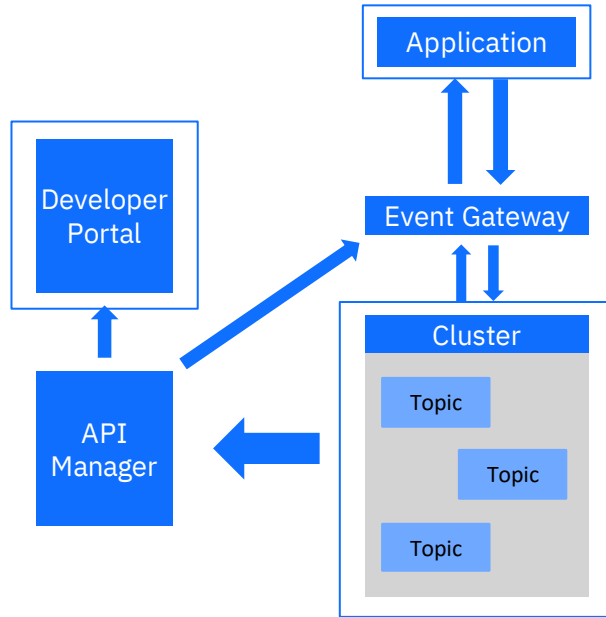- Interface versioning
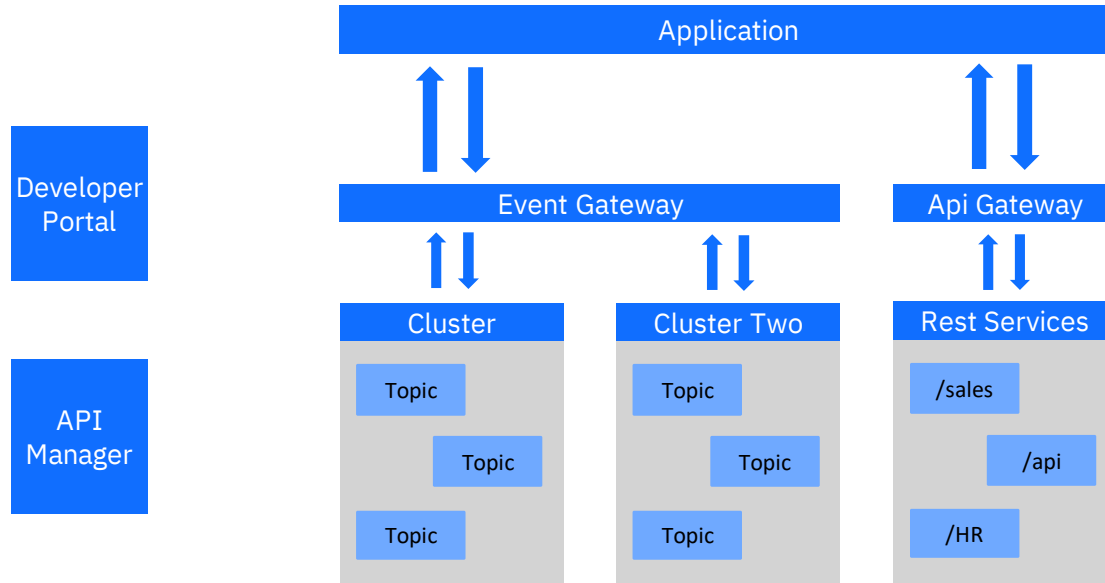- Connectivity to anything

Responsive experiences

Demo

Architecture and recap

Architecture and recap

To conclude

- Event driven systems are becoming more prevalent to address new business needs

- Without care and proper management, these systems can be costly to operate, hard to work with and impossible to discover

- Event Endpoint Management offers the ability to quickly and easily document, socialize and enable self service access to Apache Kafka
    - And integrate/be managed alongside synchronous APIs