

Advantages of Becoming Event-Driven with Advanced Event Mesh

Dirk Oppenkowski VP SAP Alliance - SOLACE

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The World Is Event-Driven

Can You Afford Not to Listen?





Industry Perspective

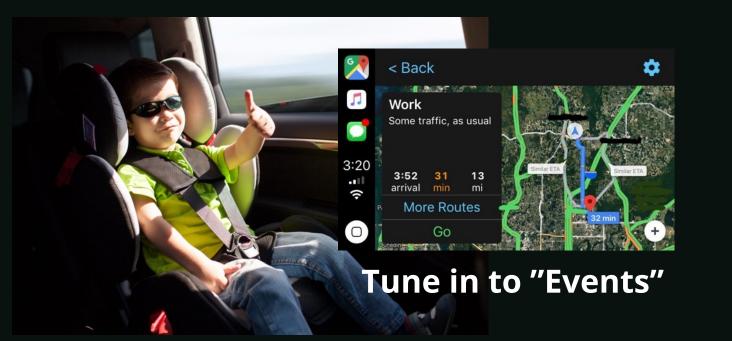
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Why Event Native: Comparing Synchronous only APIs



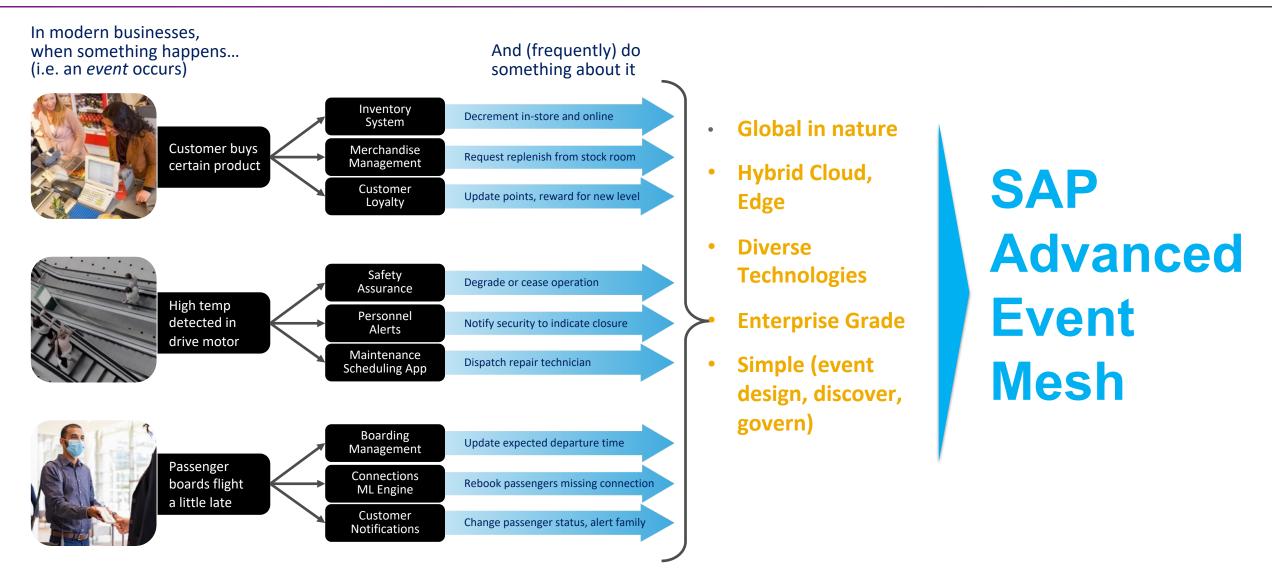
Why Event Native: Comparing Synchronous only APIs



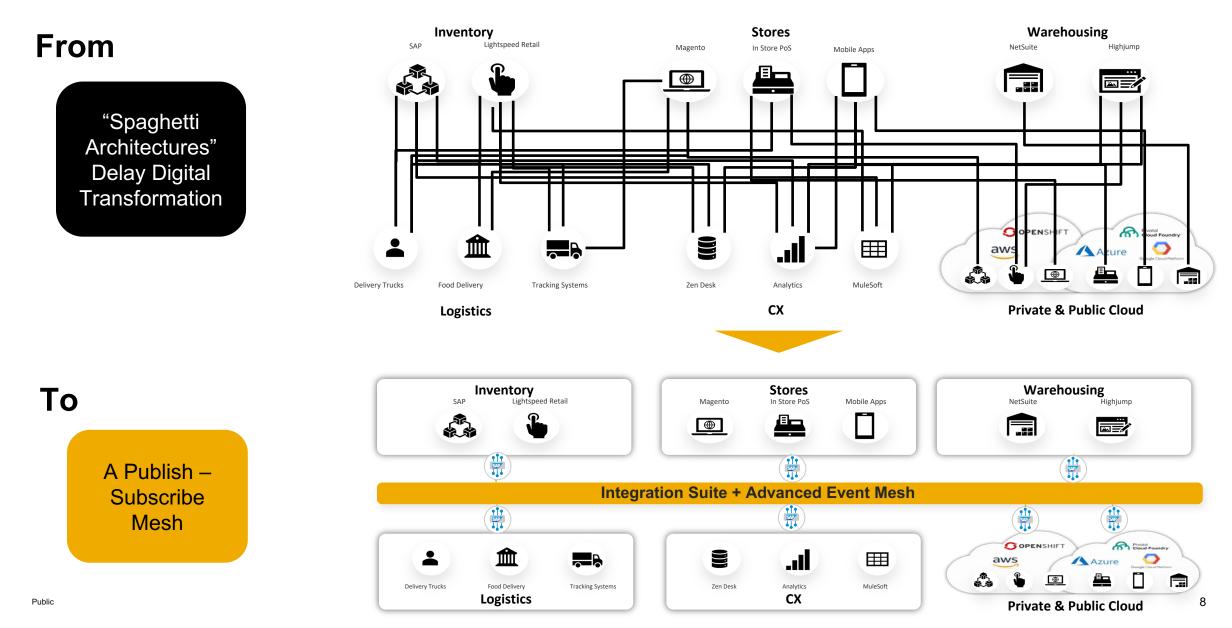


Responsive Apps Faster Time to Market Better Innovation and Analytics Future Proof Better Robustness and Performance

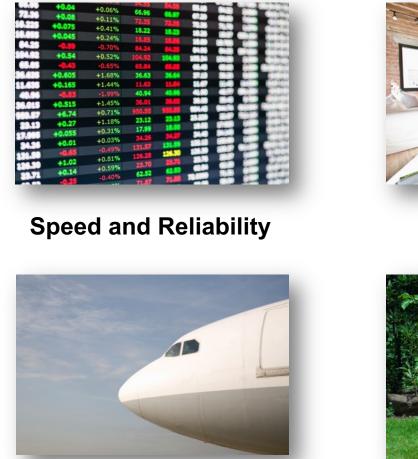
What is Event Driven Architecture?



Move from Spaghetti Integration to Plug & Play Architecture



Selected Real Time Customer Examples



Customer Experience



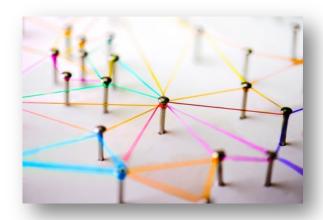
Availability



Customer Guidance



Supply Chain



Data Distribution

Bank: Consolidated trading & market data platform

Bank-wide consolidation coupled with Event Driven Architecture unleashed sizable savings

Situation & Goals

- Disparate messaging systems were cumbersome, unreliable, and slow
- Multiple platforms across regions for FI/FX, equities front & middle office and post trade data
- High cost of maintenance, slow speed of infrastructure

Solution

Global platform for FI/FX, Equities front & middle office and for all post trade data using an enterprise-wide Event Mesh

- Bank wide consolidation
- Common distribution backbone for market data, post trade data, reducing complexity and hence reducing risk
- >100B messages per day in March 2022



Furniture Retailer: Digital Transformation

Real-time view and updates on stocks and shipments across heterogenous environments

Situation & Goals

- Adopted cloud first approach, struggling to feed newer applications built on cloud with the data sources predominantly on-prem.
- Real-time inventory management
- Real-time shipment notification & updates

Solution

 Advanced Event Mesh to connect customer facing webshop to inventory and logistics backend

- Accurate stock information & order status across omnichannel customer experience
- Online share revenue increase from 18% to 30%
- Liberated access to data, turbocharging innovation and agility



Food and Beverage: Intelligent Supply Chain

Consumer-driven supply chain to improve production and distribution is a mission-critical

Situation & Goals

- Incorporate consumer and customer sentiment
- Automate event and data flow
- Include 4PL partners
- Standardized and Global Integration of partners (e.g. co-manufacturers, copackers)

Solution

 Real-time event-mesh to connect Kinaxis Suppy Chain,
 SAP ERP and other applications

- Multi-Million \$ supply chain savings due to route optimizations and realtime transit visibility
- 35% Forecast Improvement
- Reduced waste due to IoT based production optimization



Real-Time Promotion Management



Manufacturer: Industry 4.0

Connected manufacturing driving productivity improvements

Situation & Goals

- Plant produces brake control systems with 20+ years connected manufacturing experience
- Demand-driven material replenishment
- Full visibility of any order at any time
- Automatically generated analysis to pinpoint production line failures in realtime

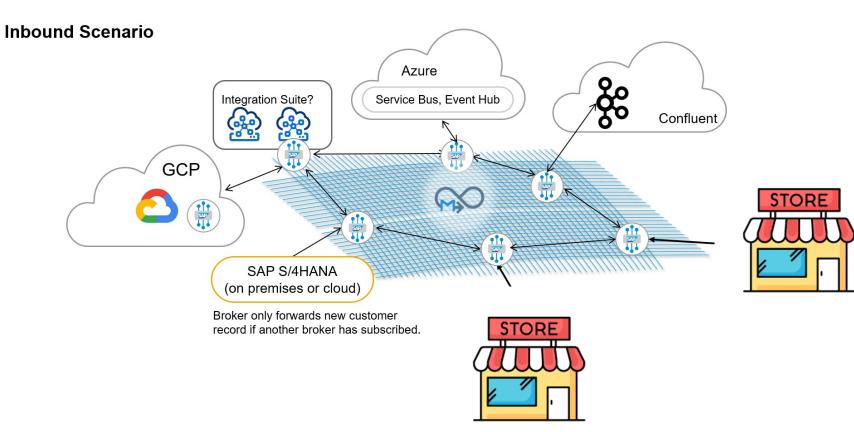
Solution

 Advanced Mesh real-time eventmesh connects 5000 systems

- Fully automated flow of goods with leaner logistics processes
- Reduced inventories, standardized maintenance processes, and 100% traceability
- 23% increase in productivity
- Focus employees on higher value tasks



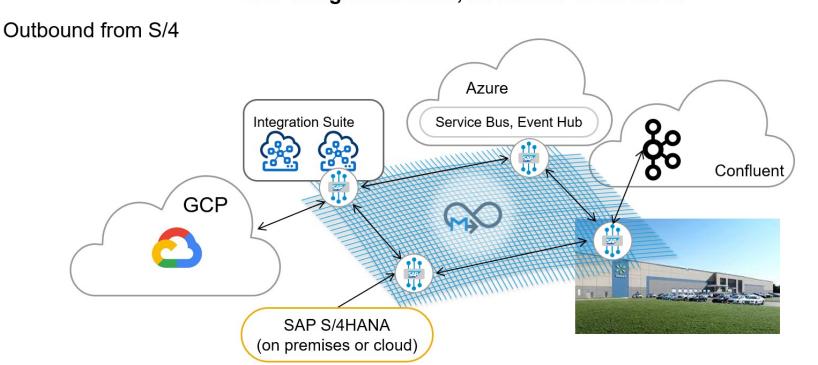
Advanced Event Mesh Connecting All Your Environments in Real-Time



SAP Integration Suite, advanced event mesh

- Order Management
 Inbound
- Batch (24h-36h) to real-time
- Decoupling Stores from S/4HANA availability
- Simplify Connectivity Security

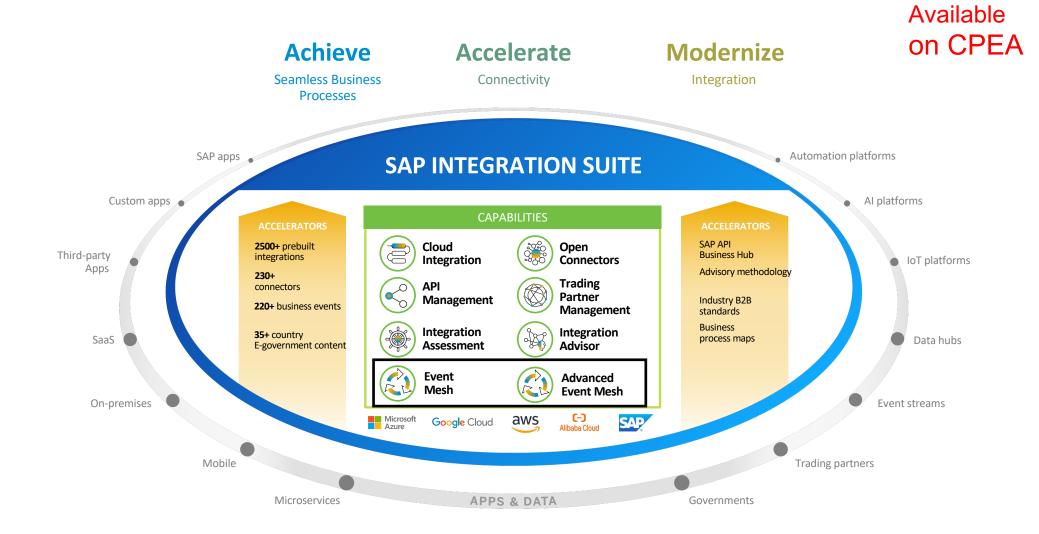
Advanced Event Mesh Connecting All Your Environments in Real-Time



SAP Integration Suite, advanced event mesh

- Master Data Outbound
- Push MDM changes out in real-time instead of hourly
- Push changes once, fan-out to multiple systems
- Connect systems directly to real-time feed instead of polling Big Query periodically for changes
- Leverage dynamic topic filtering to efficiently select relevant master data

New SAP Integration Suite, advanced event mesh enables responsive business processes at enterprise scale



Five Key Elements of an Enterprise EDA Strategy

Real Time Response



Real time data routing and synchronisation between systems





Reduce unnecessary duplicate data pipelines & just plug new consumers in

Dynamic Routing



Delivers the correct message to the correct application in real time dynamically

Decoupled Connectivity



Reduce the risk that changes in one module will necessitate a change in another module

Events Discovery



Enterprise EDA requires event visibility across the enterprise – developers won't use what they can't find

Improve customer satisfaction and experience

Cut development time + cost of 1-to-many interfaces

Reduce egress charges and load on interfaces

Leverage plug & play for higher agility

Accelerate application development

Thank you.

Contact information:

Dirk Oppenkowski dirk.oppenkowski@solace.com





