

December 2020

# ASAPIO enables SAP® systems for event messaging with Solace PubSub+®



**SAP® Certified**  
Powered by SAP NetWeaver®



# ASAPIO – SAP® Partner for Cloud Integration and Procurement Solutions

**We specialize in integration of cloud systems, SAP procurement solutions and technologies.**

Founded in 2003 and owned by three former SAP fellows, we are today an SAP silver partner with a growing team of SAP application and technology experts. We operate world-wide, with head office in Munich/Germany, various offices across Germany and an own nearshore center.



## Cloud Integration

ASAPIO technology connects SAP systems with cloud applications, event messaging and iPaaS solutions



## Procurement Solutions

Consulting services for  
SAP S/4HANA®  
SAP Ariba®  
SAP Fieldglass®  
SAP Business Suite®/ERP/PLM



## Technology

Software development  
SAP workflows  
ABAP®  
SAP Fiori®  
SAP Cloud Platform®



# What is event messaging and why is it important to SAP customers?

*“Event streaming is the digital equivalent of the human body's central nervous system. It is the technological foundation for the 'always-on' world where businesses are increasingly software-defined and automated, and where the user of software is more software.”*

- Fact is, Event Messaging is everywhere around us, already today:
  - shops and payment providers use event messaging
  - booking a flight uses event messaging
  - delivery tracking uses event messaging
  - connected cars use event messaging
  - ...and many more

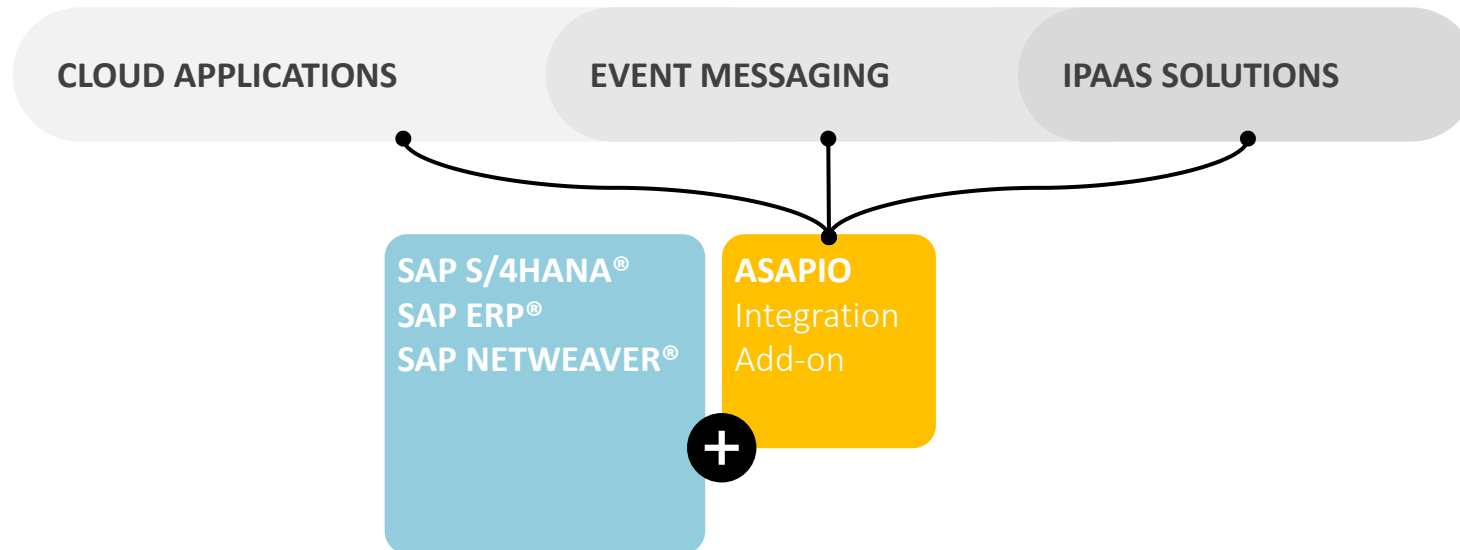
→ Getting data from or into SAP systems is required to turn events into revenue



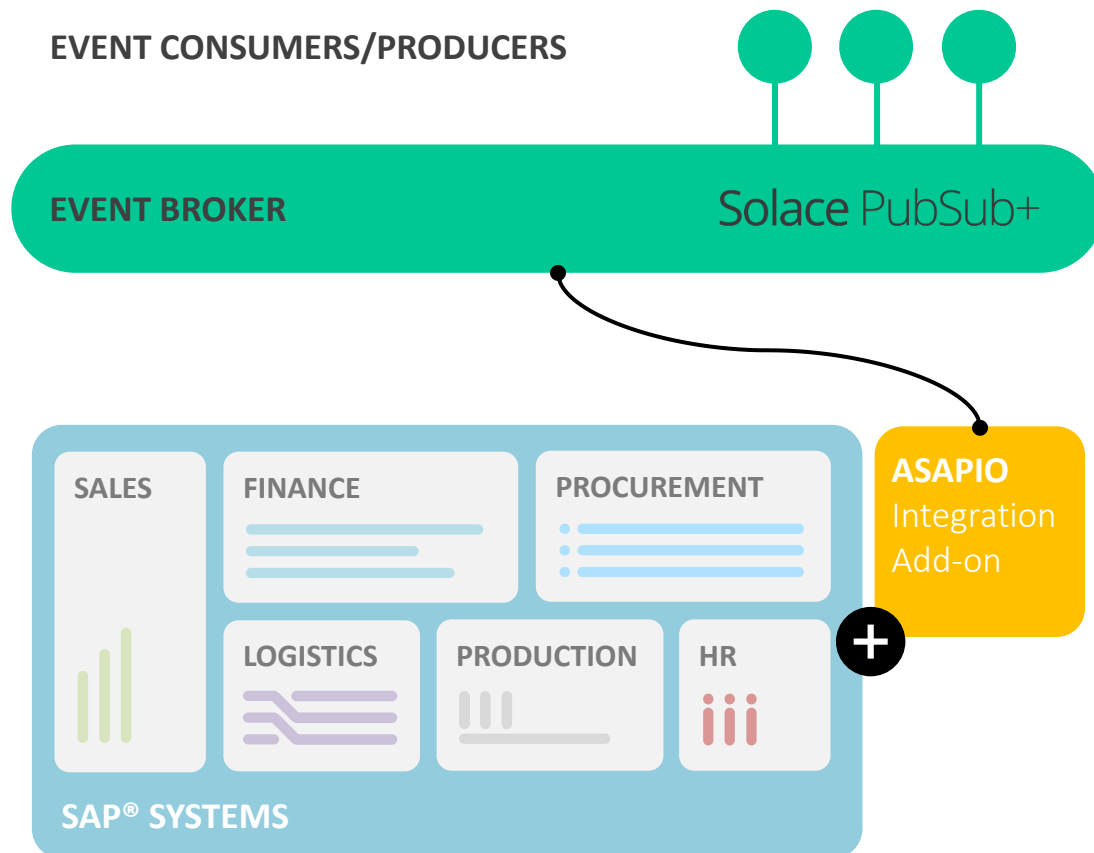
# ASAPIO Integration Add-on enables SAP® systems for cloud integration

**ASAPIO Integration Add-on** connects SAP S/4HANA®, SAP ERP® and other SAP NetWeaver® systems to:

- ✓ cloud applications
- ✓ event messaging
- ✓ any iPaaS solution and REST-enabled application



# ASAPIO and Solace® enable SAP® systems for event messaging integration



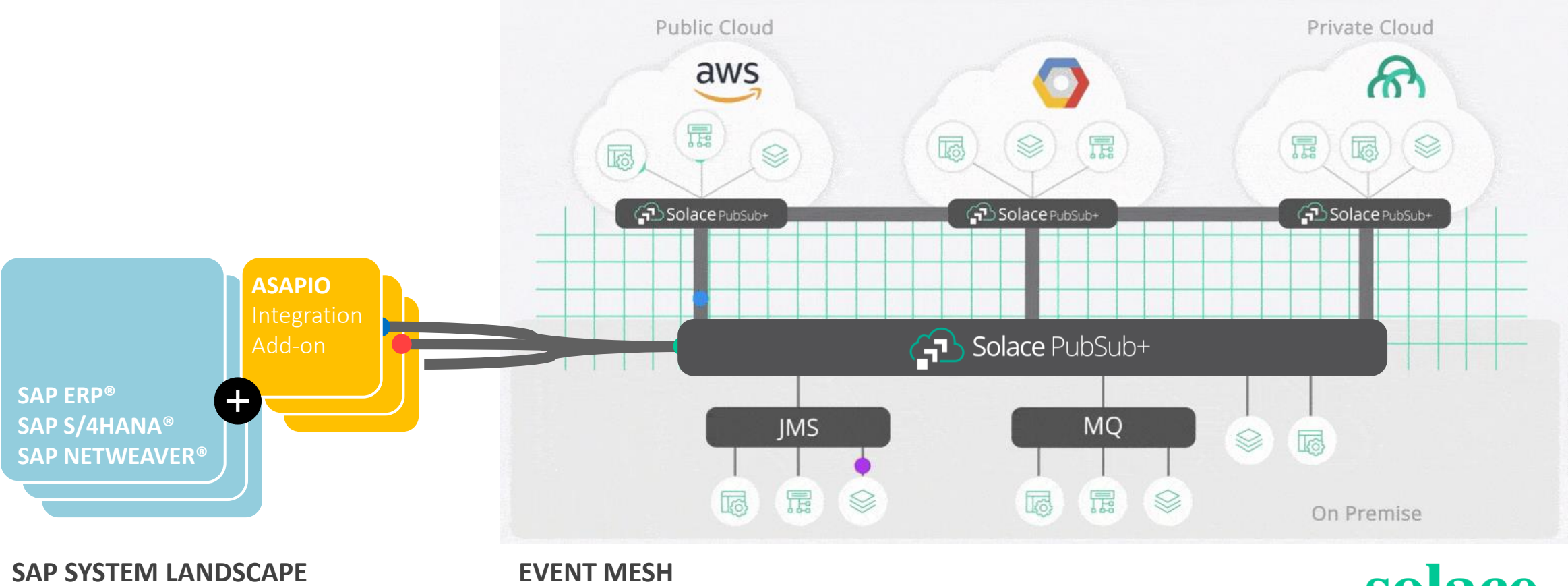
## ASAPIO Integration Add-on is the perfect ETL solution for Solace PubSub+®

- Out-of-the-box connectivity via ASAPIO Solace® PubSub+® Connector
- REST-based outbound and inbound communication
- For cloud and on-prem deployments
- Supports event-driven (single events) and batch mode (multiple events)

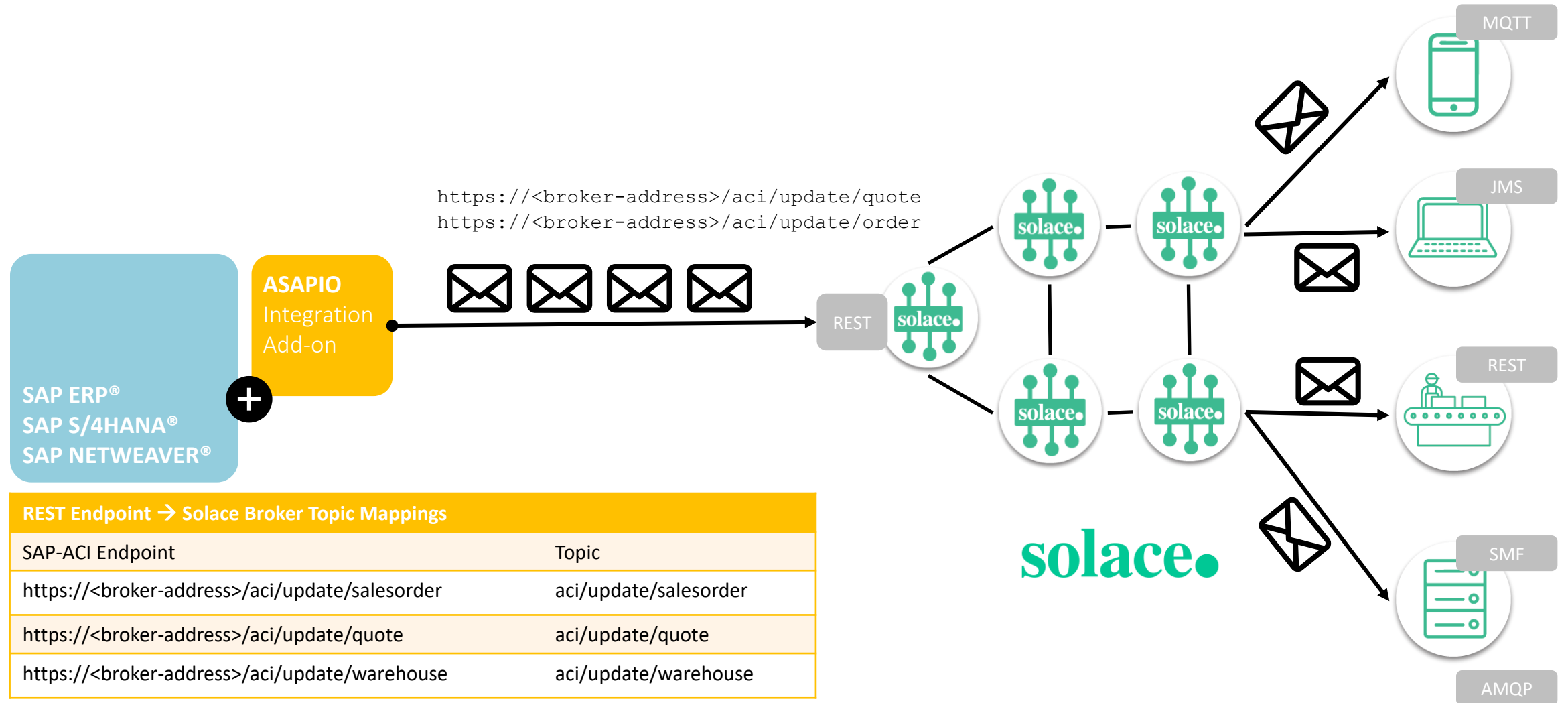
## Exclusive features of Solace PubSub+® Connector:

- Dynamic topic generation, based on content data
- Supports high-availability + load-balancing scenarios

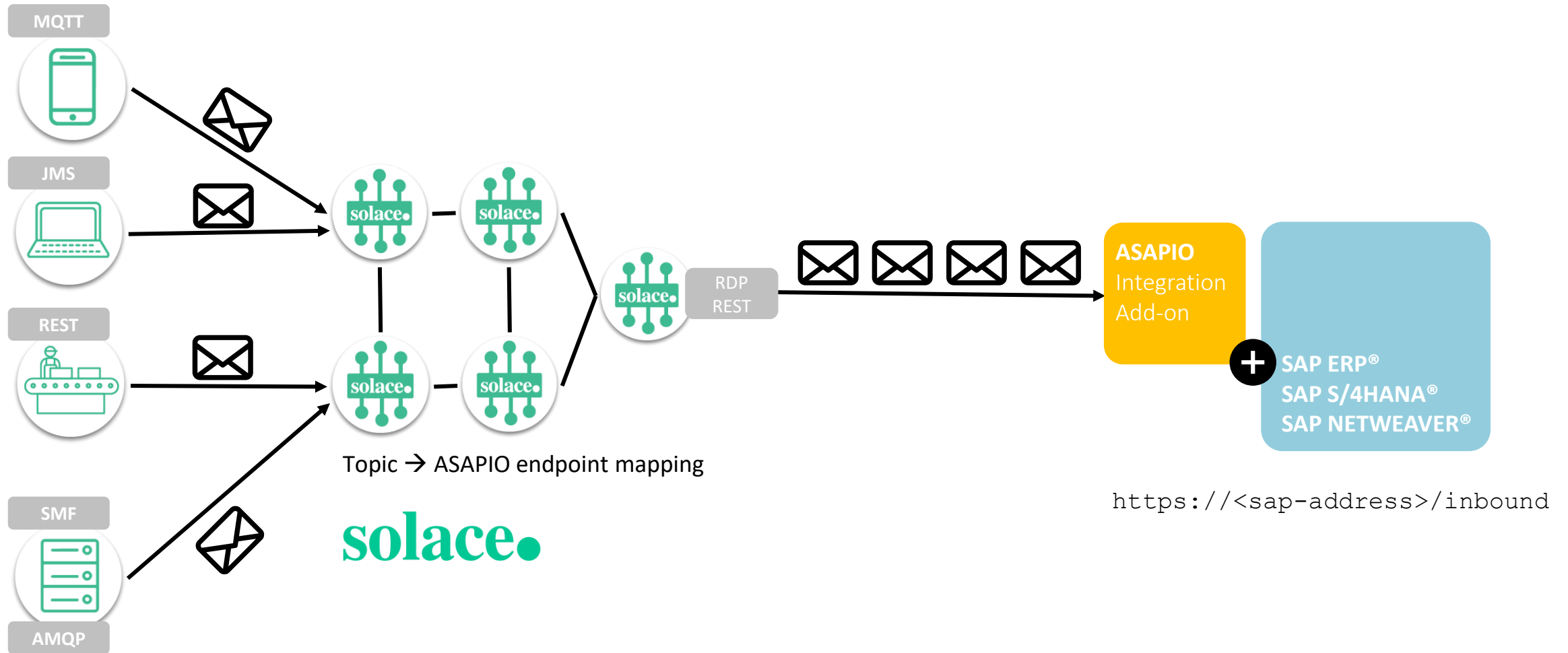
# With Solace & ASAPIO, you can send SAP data to any subscribed consumer (and vice-versa), in real-time



# Outbound event processing with Solace & ASAPIO



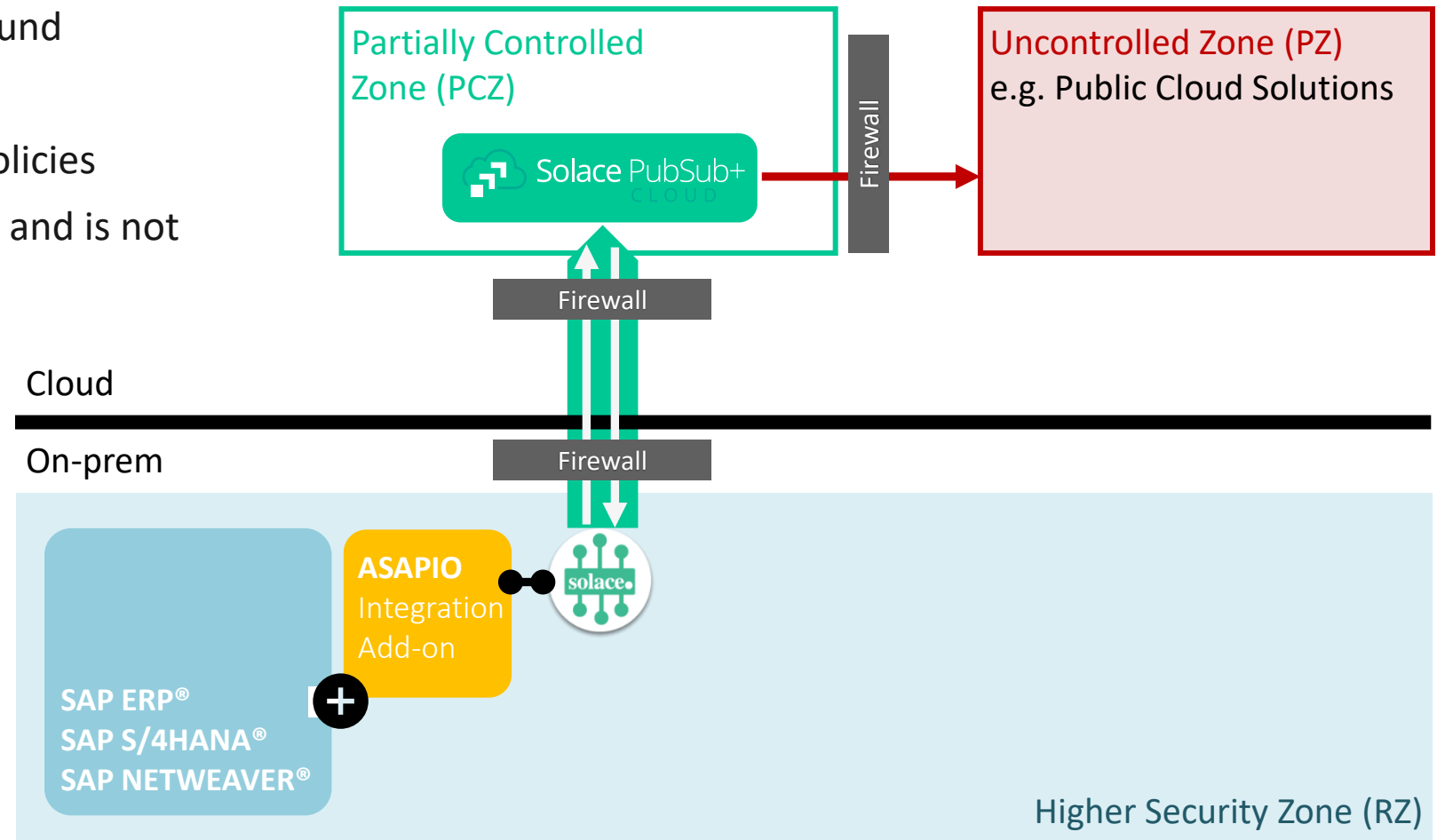
# Inbound event processing with Solace & ASAPIO





# Secure & Scalable Cloud Integration

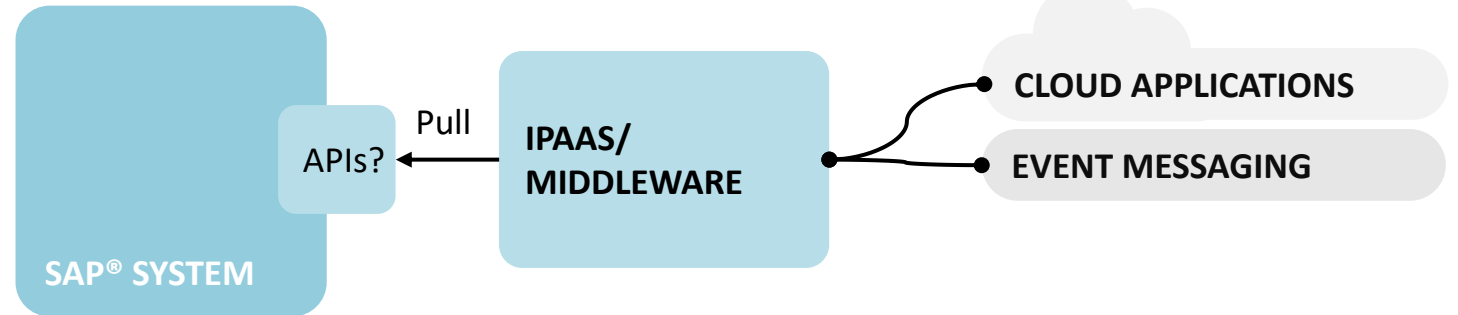
- ✓ Solace establishes secure, outbound connections from RZ to PCZ
- ✓ In-line with corporate security policies
- ✓ The SAP system resides in the RZ and is not exposed



# Benefits of ASAPIO approach compared to others on the market

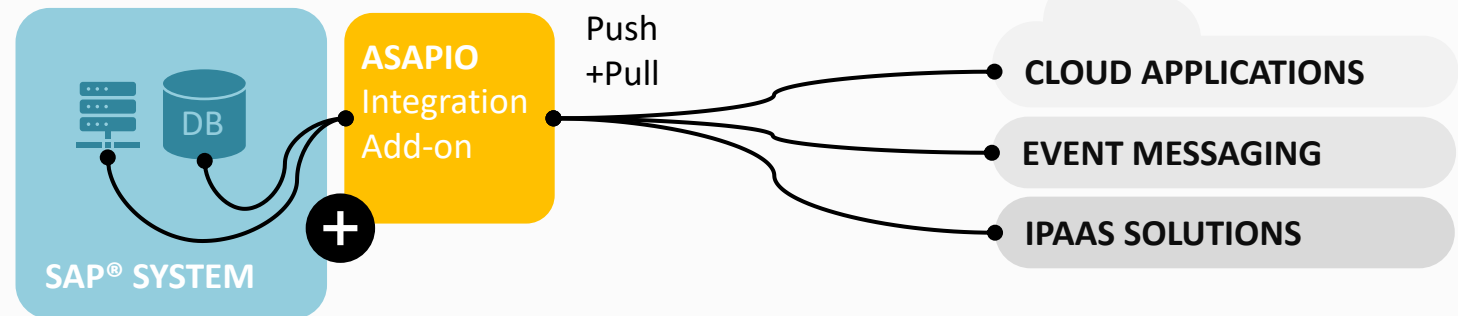
## Downsides of traditional integration approach:

- Custom API developments required
- iPaaS or middleware required
- No direct data access
- Typically 1:1 connectivity
- Hardly re-usable
- High performance impact

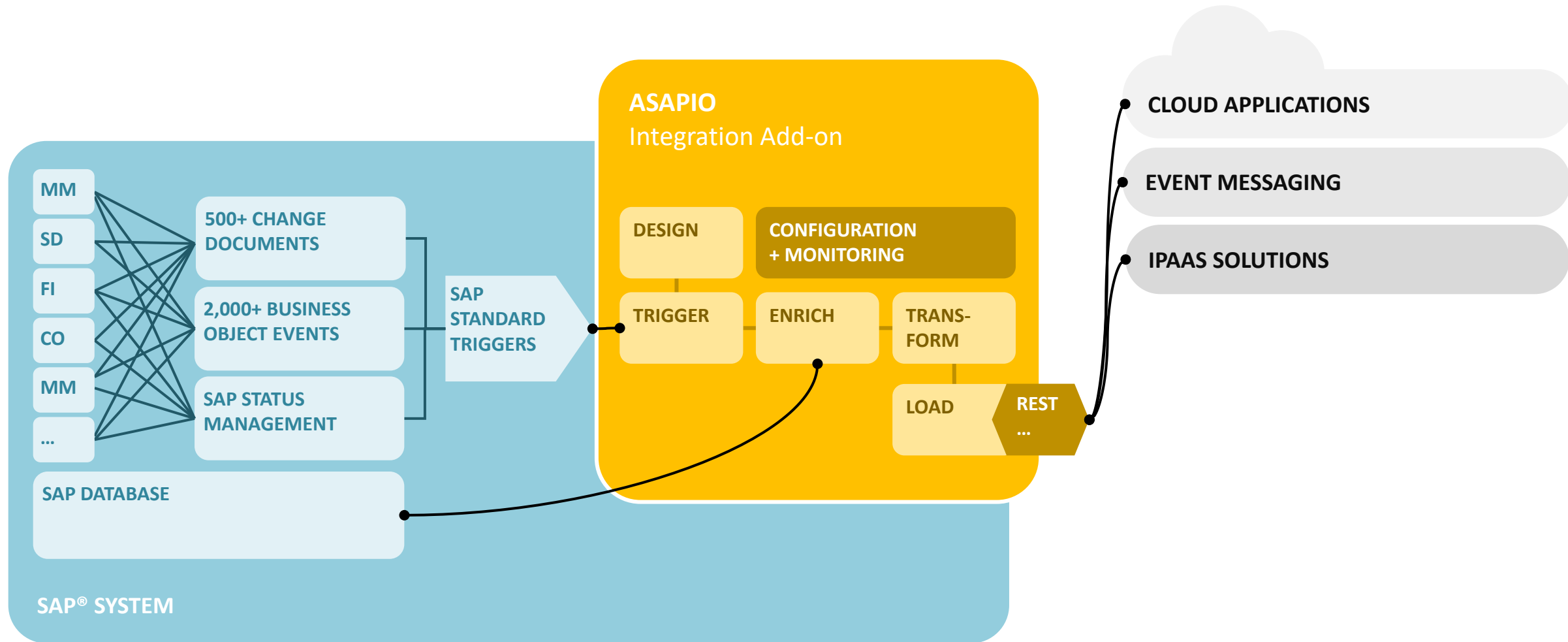


## Benefits of ASAPIO approach:

- Direct application + data access
- 2,500+ standard event triggers
- Supports 1:n connectivity
- Re-usable content
- Close to zero latency
- Multi-threading



# Architecture / How does it work?



# Simple and code-less message design

## Example: send SAP material master data as event message

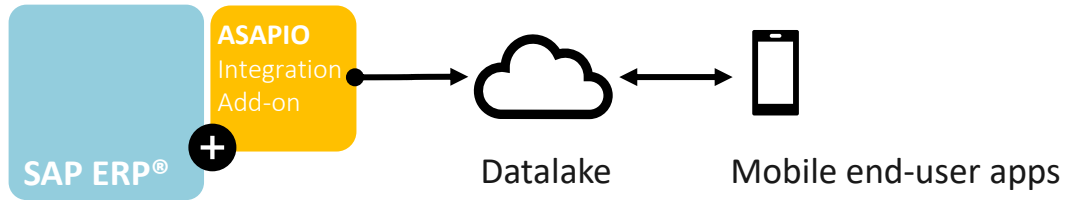
- ✓ Specify an SAP Data Dictionary view
- ✓ Add (multiple tables) like MARA and the required fields for the message
- ✓ Table relations and foreign keys are automatically considered
- ✓ Configure ASAPIO Integration Add-on to use the view

View field	Table	Field	Key	Data elem.
MANDT	MARA	MANDT	<input checked="" type="checkbox"/>	MANDT
MATERIAL_NUMBER	MARA	MATNR	<input checked="" type="checkbox"/>	MATNR
ADDITIONAL_UNIT	MARM	MEINH	<input checked="" type="checkbox"/>	LRMEI
MTART	MARA	MTART	<input type="checkbox"/>	MTART
MATKL	MARA	MATKL	<input type="checkbox"/>	MATKL
UMREZ	MARM	UMREZ	<input type="checkbox"/>	UMREZ
UMREN	MARM	UMREN	<input type="checkbox"/>	UMREN
BASE_UNIT	MARA	MEINS	<input type="checkbox"/>	MEINS
EAN11	MARM	EAN11	<input type="checkbox"/>	EAN11
BRGEW	MARM	BRGEW	<input type="checkbox"/>	BRGEW
GEWEI	MARM	GEWEI	<input type="checkbox"/>	GEWEI

## EVENT MESSAGE

```
{
  "specversion": "1.0",
  "type": "asapio.aci.events01.msctest",
  "source": "SAP_EM/MATERIAL_CHANGE",
  "id": "MATERIAL_CHANGE2020110322541650 ",
  "time": "2020-11-03T22:54:15.565Z",
  "data": {
    "MARA": [
      {
        "MANDT": "100",
        "MATERIAL_NUMBER": "CP_5001",
        "MTART": "FERT",
        "MATKL": "015",
        "BASE_UNIT": "ST",
        "MARM": [
          {
            "ADDITIONAL_UNIT": "KAR",
            "UMREZ": 15,
            "UMREN": 1,
            "EAN11": "4015000267397",
            "BRGEW": 3.750,
            "GEWEI": "KG"
          }
        ]
      }
    ]
  }
}
```

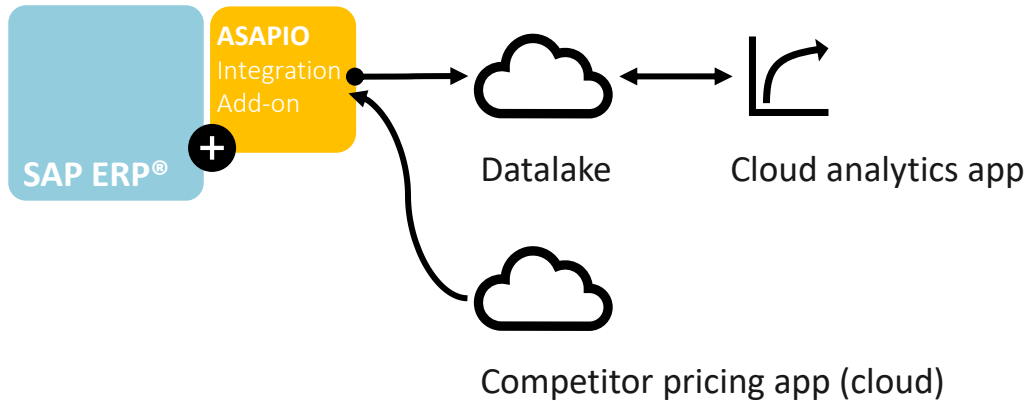
# Customer business use-cases



## Sales + logistics data (Large chemical company)

ASAPIO provides high-volume data (SAP sales orders and logistics info) to a data lake, for buffered data provisioning to end-customer mobile apps

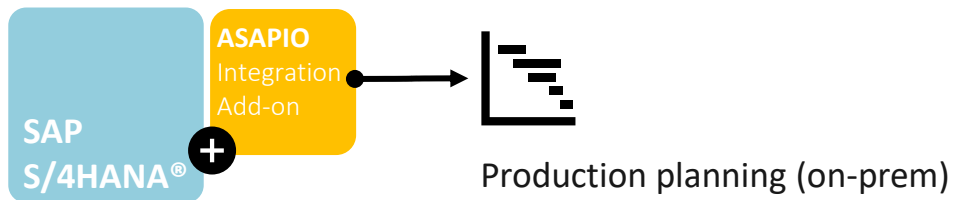
Live Customer



## Sales data (Retail industry customer)

Send SAP data to data lakes for real-time analytics during high-volume promotions (Black Friday)

Live Customer



## Product pricing data

Inbound process, for event-driven load of competitor pricing into SAP ERP®, for automated price benchmarking

PoC ongoing

## Production planning data (Automotive customer)

Event-driven transfer of central SAP S/4HANA® production planning data to non-SAP fine-planning solutions. High data-volumes expected, process stability is critical.

PoC ongoing

# ASAPIO Integration Add-on – the ‘Swiss army knife’ for interfaces

- ✓ Create code-less APIs and event messages for any SAP® data
- ✓ SAP-certified and licensable from SAP (for selected scenarios)
- ✓ Direct access to *any* SAP business object and *all* database tables
- ✓ Use over 2,500 standard event triggers in SAP ERP® and SAP S/4HANA®
- ✓ Packaged business content available
- ✓ Extensible by customers and partners



***Faster results***



***Lower project risk***



***Higher quality***

# ASAPIO Integration Add-on is available from Solace and ASAPIO

ASAPIO  
Integration  
Add-on



**ASAPIO**  
Integration  
Add-on

Subscription includes:  
ACI Framework  
+ Solace® Connector  
+ Maintenance/SLA  
+ Updates

## **ASAPIO Integration Add-on is offered as a subscription license product**

- License metric is based on number of productive SAP systems and number of configured event messaging objects
- ASAPIO provides support services with SLAs
- Subscription customers are also eligible for any updates/new releases
- ASAPIO Integration Add-on is available from Solace or ASAPIO
- For technical requirements and pricing details please reach out to **ASAPIO or Solace**

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