

SAP Integration Suite Monthly Updates – November 2025

Product Management, SAP Integration Suite

Public



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Agenda

Welcome	
<u>Latest version of the Pipeline for Cloud Integration</u>	Alexander Bundschuh
<u>IBM MQ Adapter: new features</u>	John Bilay, Rojo Consultancy
<u>Data Space Integration Package</u>	Axel Albrecht
Q&A	All

Pipeline for Cloud Integration

Alexander Bundschuh

New features of the Pipeline for Cloud Integration at a glance

Supporting new generic flows for **Idoc outbound processing** and **XI outbound processing**

Improved support for **sender and receiver parties**

Improved support for **receiver-specific queues**

Supporting **multiple inbound conversions**

Extension for scenario configuration to run the pipeline **without** need of the **Partner Directory**

See [blog post](#)

Generic XI outbound processing

Standardize and ease the configuration of XI outbound scenarios

- Use a single generic XI outbound integration flow **across all your receiving systems**
- Use a generic XI outbound integration flow **for each receiving system**

Different options to configure XI connection and XI headers

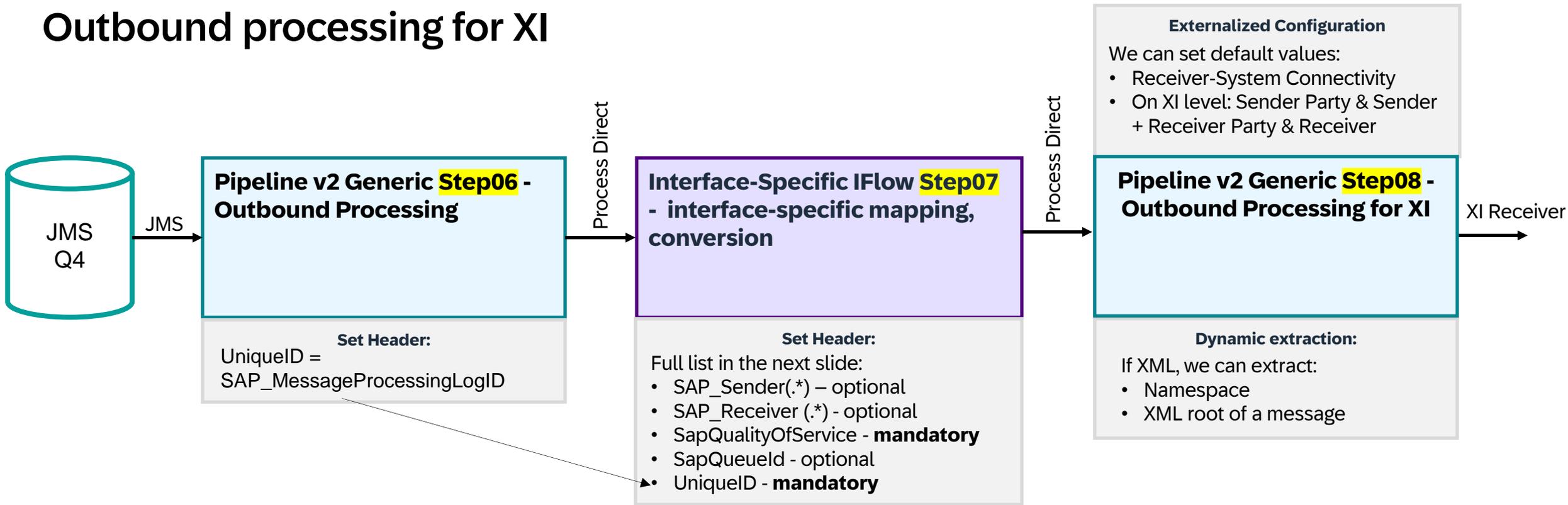
- Configure the generic XI outbound integration flow
- Maintain Partner Directory parameters
- Maintain message headers in the scenario-specific outbound processing flow

See [blog post](#)

The screenshot displays the SAP Integration Suite interface for a scenario named "PIPSamplesScenario2_Step07_RCV1_IF1_XI_MH". The top part shows a process flow diagram with steps: Start, Set Headers, Remove XML Declaration, Add Messages nodes, One-to-Many Message..., Iterating Splitter, and Set unique ID for split... The bottom part shows the "Content Modifier" configuration for the "Message Header" tab. A table lists headers to be created with their names, source types, and source values.

Action	Name	Source Type	Source Value
Create	SAP_Receiver_XICredentialName	Constant	OWN
Create	SAP_Receiver_XIAuthenticationType	Constant	Basic
Create	SAP_Receiver_XIProxyType	Constant	Internet
Create	SAP_Receiver_XIEndpoint	Constant	https://c...
Create	SAP_ReceiverInterfaceNamespace	Constant	http://demo.sap.com/eip/recipient-list
Create	SAP_ReceiverInterface	Constant	SI_PurchaseOrderItemCreate_IB_Async
Create	SAP_MessageType	Constant	SI_PurchaseOrderItemCreate_IB_Async

Outbound processing for XI



Partner Directory

Partner ID (scenario identifier)

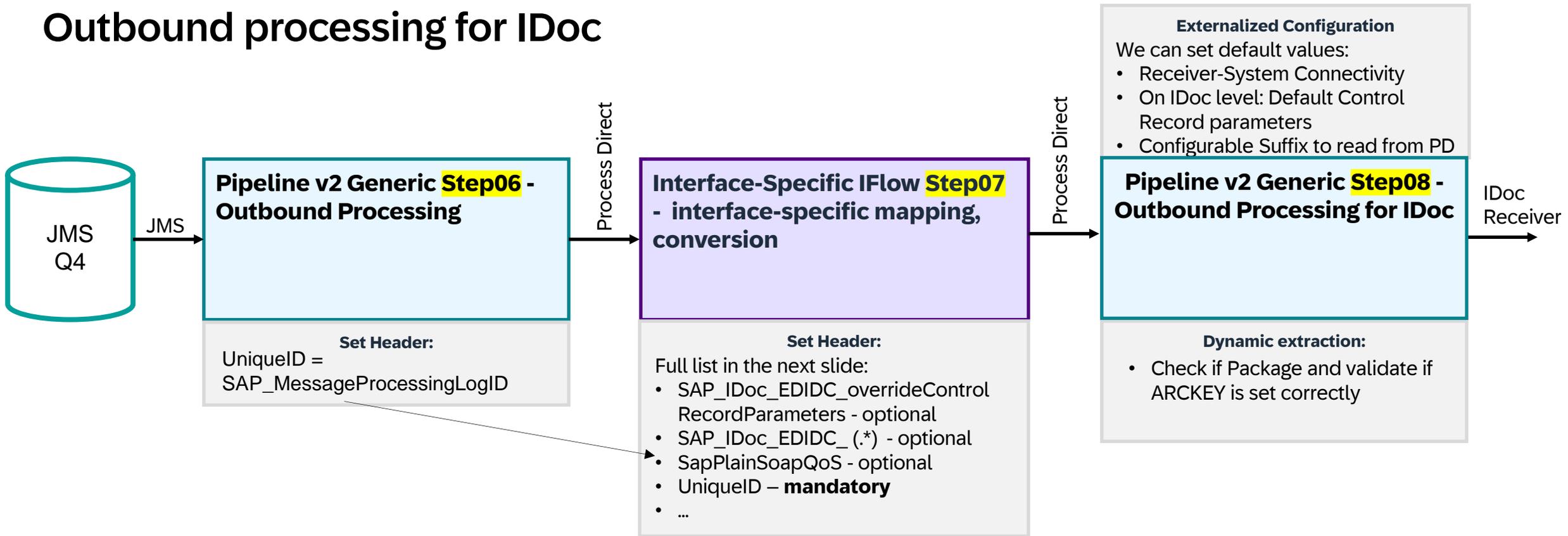
- interfaceNameDetermination ReceiverSystemAlias
(for P2P bypass option or interface name can come from XSLT)
- interfaceNamespaceDetermination ReceiverInterfaceName
(so the suffix here is the previous parameter Interface Name)

All parameters optional

System Alias (landscape stages for Receiver)

- XIEndpoint BusinessSystemName
- XICCLocationId BusinessSystemName
- XICredentialName BusinessSystemName
- XIPrivateKeyAlias BusinessSystemName
- XIProxyType BusinessSystemName
- XIAuthenticationType BusinessSystemName

Outbound processing for IDoc



Partner ID (scenario identifier)

- SNDPRN ConfigurableInterfaceSuffix
- MESCOD ConfigurableInterfaceSuffix
- ... Any EDIDC attribute...

Partner Directory

System Alias (landscape stages for Receiver)

- IDocEndpoint BusinessSystemName
- IDocCCLocationId BusinessSystemName
- IDocCredentialName BusinessSystemName
- IDocPrivateKeyAlias BusinessSystemName
- IDocProxyType BusinessSystemName
- IDocAuthenticationType BusinessSystemName

- IDocContentType BusinessSystemName
- IDocLogicalSystem BusinessSystemName

All parameters optional

Improved support for sender and receiver parties

SAP Integration Suite

Overview / Monitor Message Processing Message Status Overview Hide Filter Bar

Time: Past Hour Status: All Type: All Package: All Artifacts: or ID: AGkCOIR0fSONfj6cxiCJUPfNeuBE

Artifact Name	Status
Pipeline v2 Generic Step06 - Outbound Processing Oct 29, 2025, 16:53:40	Completed 35 ms
PIPSamplesScenario2_Step07_RCV 2_IF1 Oct 29, 2025, 16:53:40	Completed 30 ms
Pipeline v2 Generic Step02 - Integrated Messaging Runtime Async Oct 29, 2025, 16:53:40	Completed 39 ms
PIPSamplesScenario2_Step03_Filter Oct 29, 2025, 16:53:40	Completed 6 ms
Pipeline v2 Generic Step01 - Inbound Processing for XI Oct 29, 2025, 16:53:40	Completed 60 ms

Pipeline v2 Generic Step06 - Outbound Processing

Last Updated at: Oct 29, 2025, 16:53:40

Processing Time: 35 ms

Properties

Message ID: AGkCOIRHOS5_axaGRWt31ZxWnozo
 Correlation ID: AGkCOIR0fSONfj6cxiCJUPfNeuBE
 Predecessor ID: AGkCOIT3ZP9zHqgHck1dyZ1iRjvu
 Sender: DutchFoods.BS_DD1_Q
 Receiver: PartyABC.BS_ERP22_Q
 Application Message ID: 2CA2B37C91DA41C0BF57A368B1172AAE
 Application Message Type: PurchaseOrder.Create

Retention Periods

Custom Headers (7)

Name	Value
QualityOfService	ExactlyOnce
ReceiverAlias	BS_ERP22
ReceiverParty	PartyABC
ReceiverSystem	BS_ERP22_Q
SenderAlias	BS_DD1
SenderParty	DutchFoods
SenderSystem	BS_DD1_Q

Improved support for receiver-specific queues

The screenshot shows the SAP Integration Suite interface. On the left is a navigation menu with options like Home, Discover, Design, Integrations and APIs, B2B Scenarios, Custom Type Systems, MIGs, MAGs, Test, and Configure. The main area is titled 'Overview / Manage Partner Directory'. A search bar shows 'Partners (3)' with a filter for 'Receiver'. A table lists three receivers: Receiver_11, Receiver_13 (highlighted with a red box), and Receiver_51. To the right, the 'Receiver_13' configuration page is open. It has tabs for 'String Parameters' (highlighted with a red box), 'Binary Parameters', 'Alternative Partners', and 'Authorized Users'. Under 'String Parameters (1)', a table shows one entry: 'ReceiverSpecificQueue' with value 'PIPQ04_R11', last modified by 'alexander.bundschuh@sap.com' on 'Oct 24, 2025, 12:43:39'. Below the table, it says 'Created By: alexander.bundschuh@sap.com' and 'Created Time: Oct 24, 2025, 12:43:39'.

The screenshot shows the SAP Integration Suite interface for 'CS_PIP_Samples_Scenario_1A'. The left navigation menu is visible. The main area is titled 'Overview / Manage Partner Directory'. A search bar shows 'Partners (43)' with a filter for 'Filter by PID'. A table lists several scenarios, with 'CS_PIP_Samples_Scenario_1A' highlighted by a red box. To the right, the 'CS_PIP_Samples_Scenario_1A' configuration page is open. It has tabs for 'String Parameters' (highlighted with a red box), 'Binary Parameters', 'Alternative Partners', and 'Authorized Users'. Under 'String Parameters (4)', a table shows four entries: 'ReceiverSpecificQueue_Receiver_12' (value: PIPQ04_CS1R11, last modified: Oct 24, 2025, 12:41:28), 'ReceiverSpecificQueue_Receiver_11' (value: PIPQ04_CS1R11, last modified: Oct 24, 2025, 12:19:40), 'InboundConversionEndpoint' (value: /PIP/Step03/Samples/Scenario_1, last modified: Oct 10, 2025, 17:03:23), and 'MaxJMSRetries' (value: 1, last modified: Apr 25, 2025, 16:10:08). The 'ReceiverSpecificQueue' entries are highlighted with a red box.

Multiple inbound conversions

The screenshot displays the SAP Integration Suite interface. On the left, a navigation pane shows a list of scenarios under 'Partners (43)'. The scenario 'CS_PIP_Samples_Scenario_2D' is highlighted with a red box. The main content area shows the configuration for 'CS_PIP_Samples_Scenario_2D', with the 'String Parameters' tab selected and highlighted with a red box. Below this, a table lists five string parameters, with the first three rows highlighted by a red box.

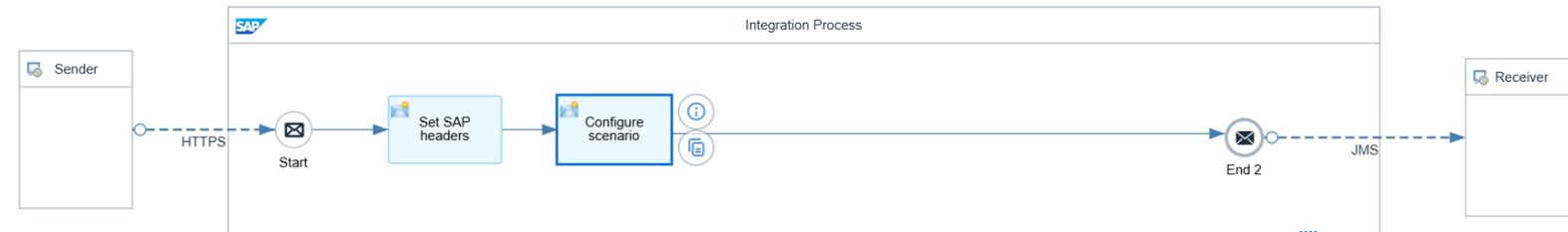
String Parameters (5)

ID	Value	Last Modified By	Last Modified Time	Created By	Created Time	Actions
InboundConversionEndpoint	/PIP/Step03/Samples/Scenario_2		Oct 29, 2025, 17:11:17		Oct 29, 2025, 17:11:17	...
InboundConversionEndpoint_BS_DD1	/PIP/Step03/Samples/Scenario_2_DD1		Oct 29, 2025, 17:09:49		Oct 29, 2025, 17:09:49	...
InboundConversionEndpoint_BS_DD2	/PIP/Step03/Samples/Scenario_2_DD2		Oct 28, 2025, 09:34:49		Oct 28, 2025, 09:34:49	...
InboundQueue	PIPX01		Oct 22, 2025, 12:13:48		Oct 22, 2025, 12:13:48	...
MaxJMSRetries	2		Oct 22, 2025, 12:13:48		Oct 22, 2025, 12:13:48	...

Scenario configuration extension

- Home
- Discover >
- Design >
- Integrations and APIs
- B2B Scenarios
- Test >
- Configure >
- Monitor >
- Analyze
- Engage
- Inspect
- Monetize
- Operate
- Settings >

PIPSamplesScenario4_Step01 Deployment Status: Not Deployed



Content Modifier

- General
- Message Header
- Exchange Property
- Message Body

Headers:

Action	Name	Source Type	Source Value	Data Type
Create	customXPreEnabled	Constant	02 06	
Create	customXPreEndpoint	Constant	/pip/custom/preProcessing	
Create	customXRDEndpoint	Constant	/PIP/Step04/Samples/Scenario_4A_CustomRecAndl...	
Create	customXInboundConversionEndpoint	Constant	/PIP/Step03/Samples/Scenario_4	
Create	MaxJMSRetries	Constant	1	
Create	partnerID	Constant	CS_PIP_Samples_Scenario_4A	

IBM Adapter: new features

John Bilay, Rojo Consultancy

IBM MQ Adapter JMS - Features



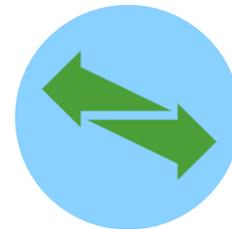
Authentication

- Basic Authentication
- **Certificate based Authentication ***



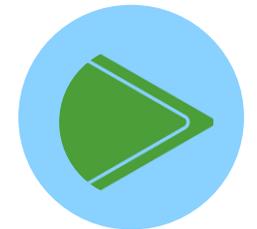
IBM Version Supported

- 9.2
- 9.3
- 9.4
- Cloud



Message Protocol

- Receiver - JMS
- Sender - JMS Polling
- Sender - JMS Subscribe

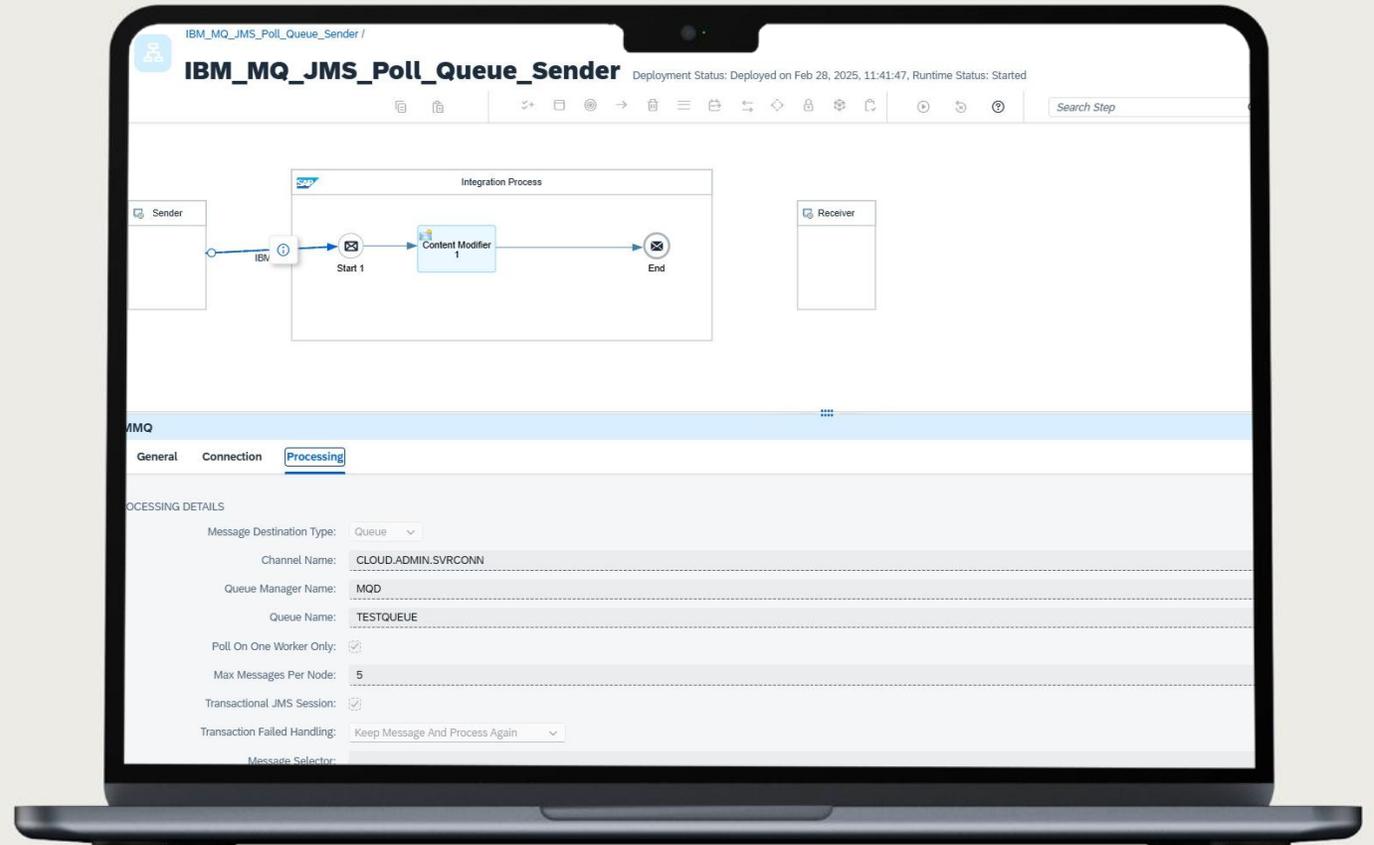


Supported Runtimes

- Cloud
- **Cloud (On-Premise) ***
- EIC

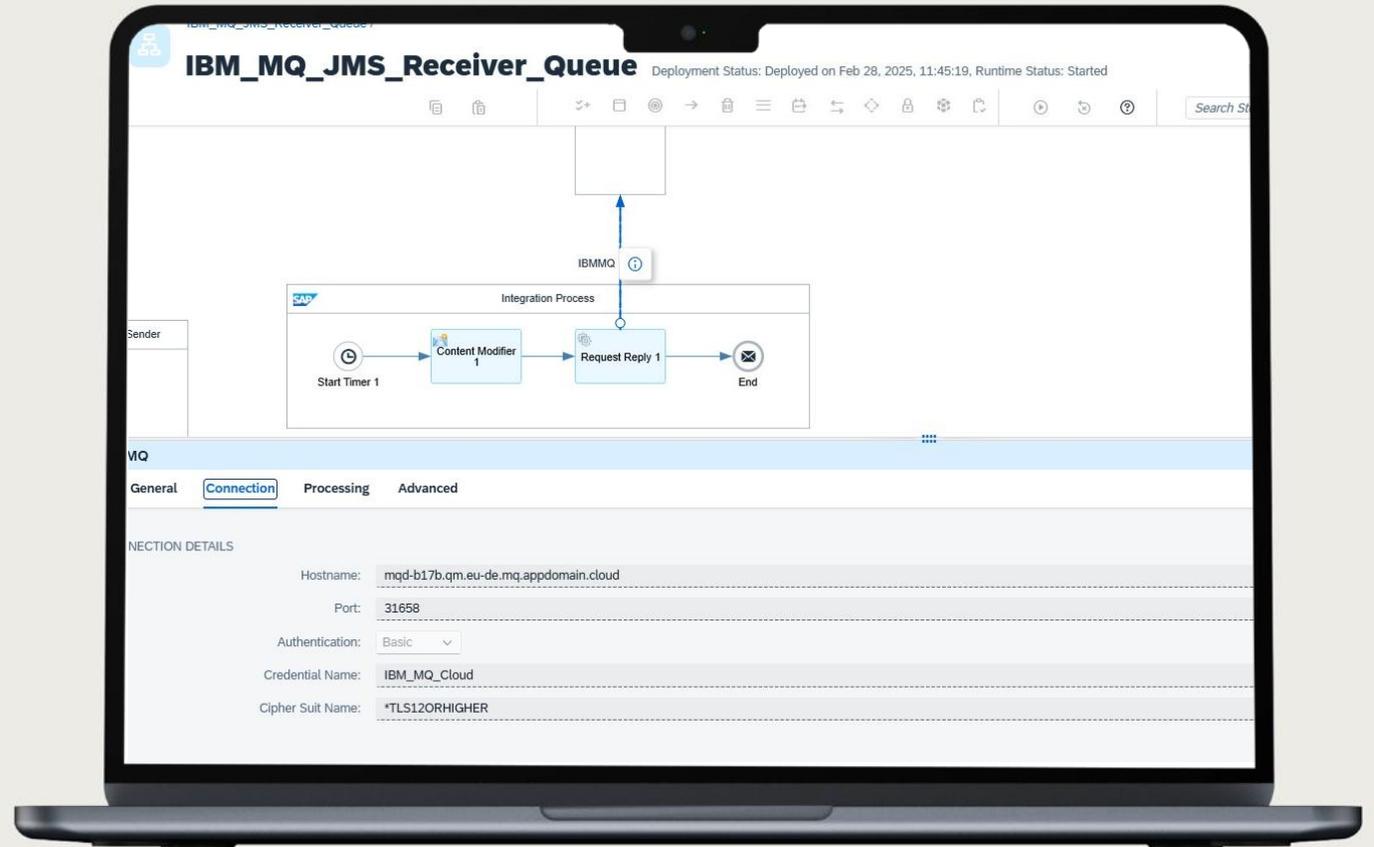
Sender Adapter

- **Operations:**
- Poll
- Subscribe
- **Destination:**
- Queue
- Topics
- **Support Cloud Connector**
- Support for JMS properties to Header mapping
- Support for duplicate check
- Support for various post processing handling



Receiver Adapter

- **Operation:**
- Write
- **Destination:**
- Queue
- Topic
- **Support Cloud Connector**
- Dynamic headers/property support
- Support for all JMS standard and custom headers
- Supports Byte and Text JMS messages
- Supports Persistent and Non-Persistent message delivery via JMS



Demo



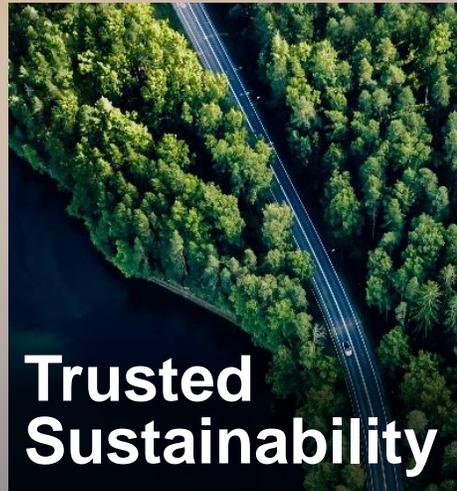
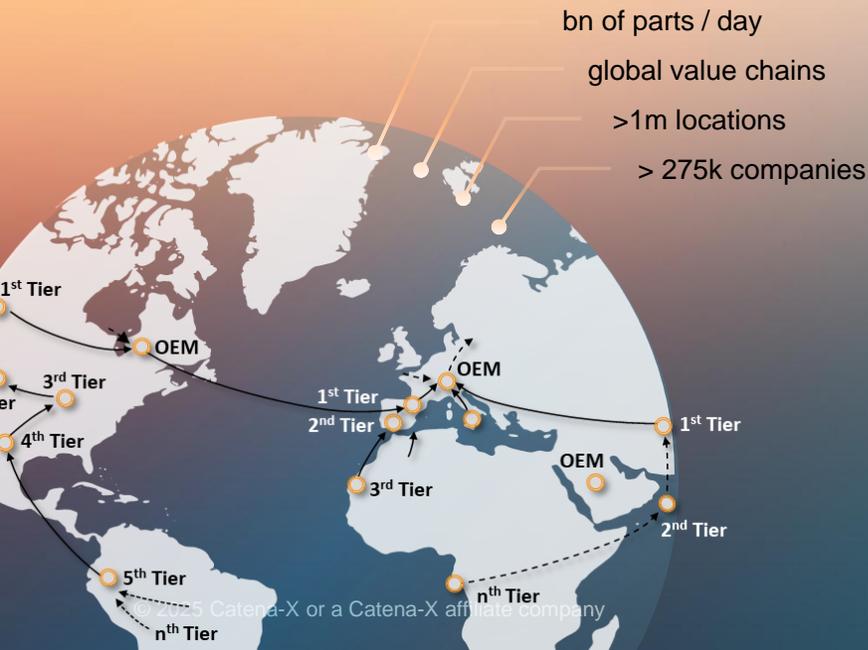
Data Space Integration data space integration package

Axel Albrecht

Our automotive industry - Today

Various challenges are on the table, that can't be solved with the current operating model any longer

global automotive industry



Trusted Sustainability

- Report validated PCF
- Cover regional variance
- Run circular economy



Resilient Supply Chains

- Boost supply performance
- Manage inventory
- Tackle cyber security



Compliant PLM

- Create product passports
- Trace quality of parts
- Scale IT Infrastructure

➤➤ It is a Digital Challenge

The Catena-X idea & DNA

Build & govern the 1st Trusted Multi-Tier Business Collaboration Network

Layer 1: Build & govern Full industry re-representation

- OEM / supplier / recycler / SME
- Solution- / service provider



Status 01/25:
200 association members

Layer 2: Scale Global re-representation

- Regional alliances
- Local hubs



Status 10/24:
~ 6.000 companies reached

Layer 3: Transfer X-Industry re-representation

- Comparability & interoperability
- Re-use / synergies

selected industry eco-systems partners



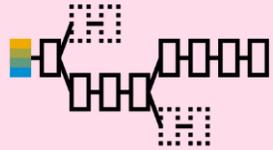
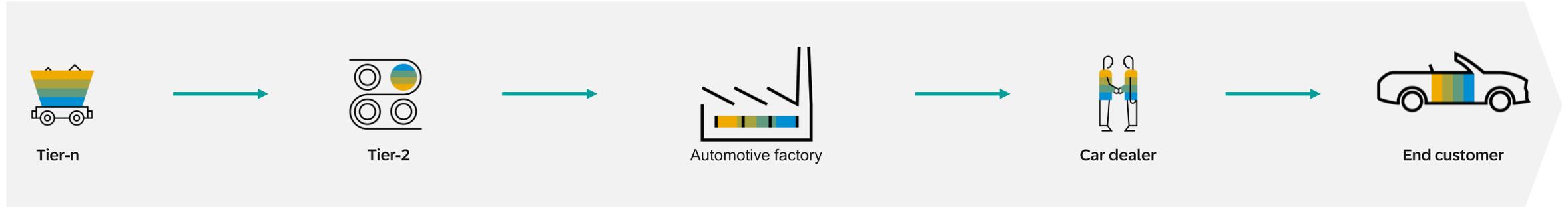
Temp. guidance-/ collaboration partners



Trusted Catena-X data eco system: Industry governance + external verification bodies

Catena-X Next:

Supply Chain oriented use cases for the Automotive Value Chain



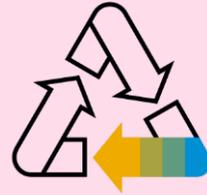
Parts Traceability

enables the exchange of relevant relationship information within the industry network by tracing serial numbers, batches, and components across organizations.



Carbon Footprint Management

helps to create transparency of the product carbon footprint across the supply chain and thus achieve decarbonization goals.



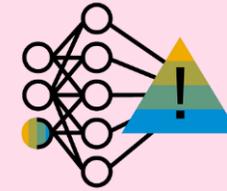
Circular Economy Management

is about increasing the resource efficiency of production processes and products by leveraging recycled materials.



Demand and Capacity Management

enables digital cross-company collaboration and continuous data exchange to improve the decision-making process in the industry.

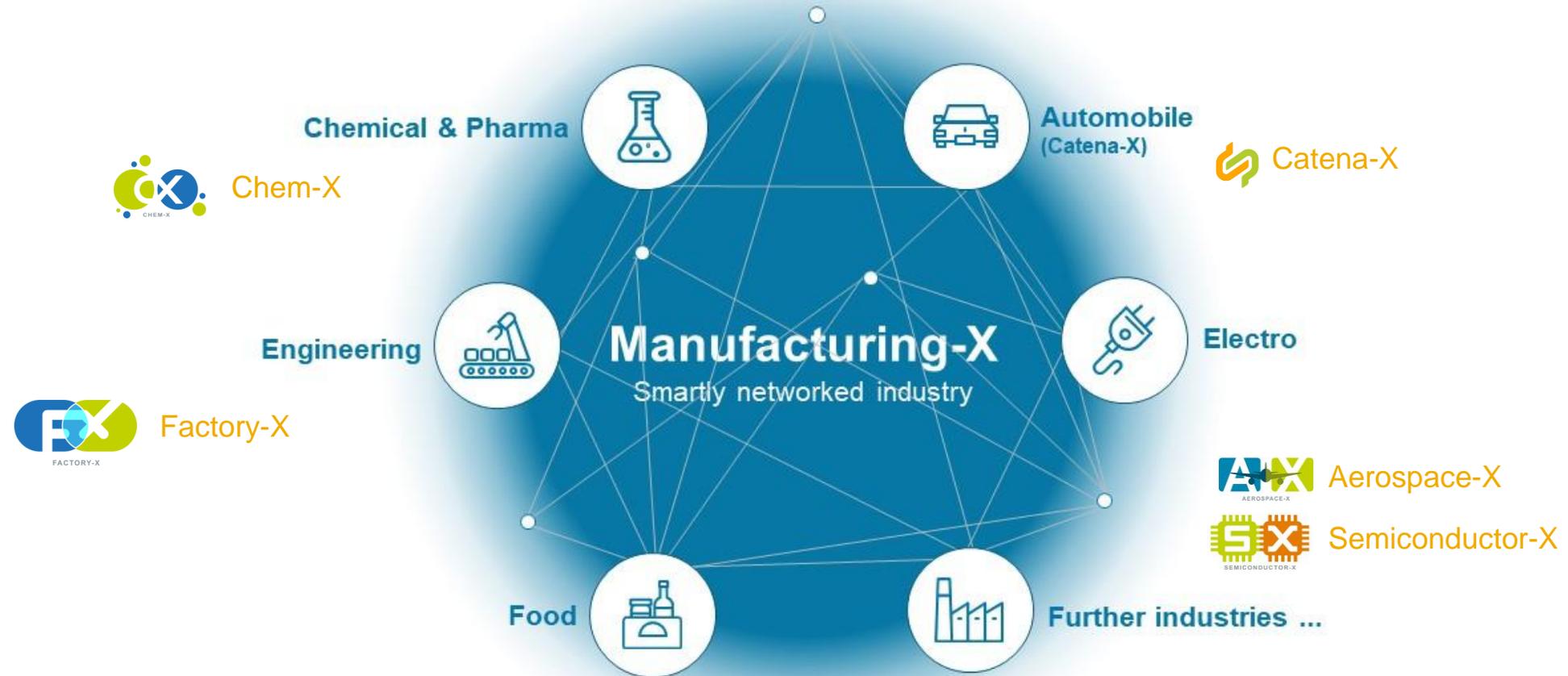


Quality Management

can provide targeted and precise error detection and root cause analysis in companies and networks across the automotive industry.

Manufacturing-X: Make Data Work

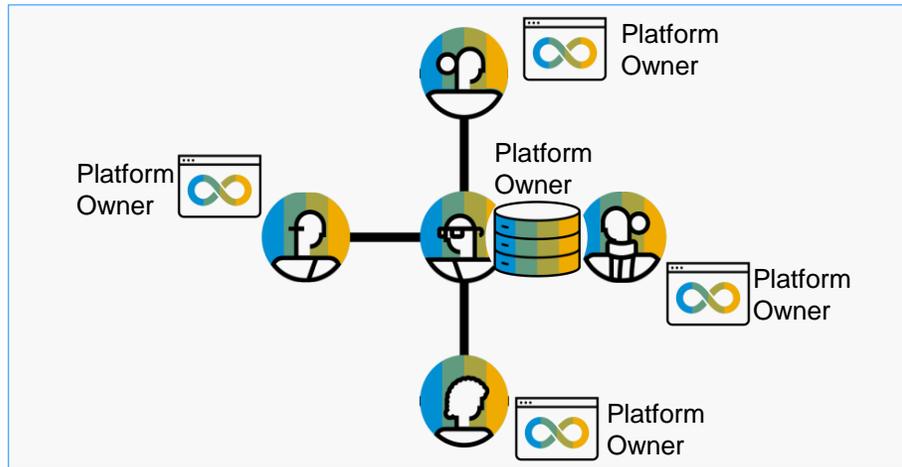
SAP is participating in various Manufacturing-X-projects



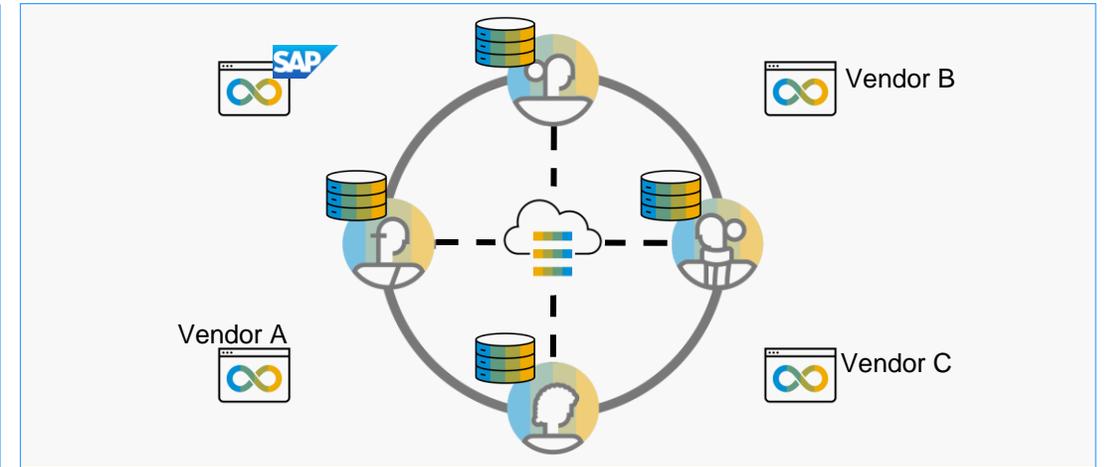
Source: Federal Ministry for Economic Affairs and Energy (2025). Manufacturing-X. Retrieved on October, 22 2025 from: <https://www.plattform-i40.de/IP/Navigation/EN/Manufacturing-X/Manufacturing-X.html>.

Manufacturing-X: How it is different from traditional Industry Platforms

Traditional Platform



Manufacturing-X



Applications

Provided by the platform owner all integrated and aligned

Multiple (competing) solutions from various vendors. Each vendor provides and operates his solution

Topology

Central network service

(Slim) federated operating environment provided by an operating company (joint-venture of multiple companies).
Data exchange decentral / directly between network participants

Data Persistence

Centrally owned by the platform owner

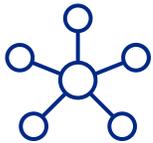
Decentral data persistence – data resides at data owner who can grant access to others

 = data persistence

 = application

Data Spaces

Data space is a decentralized, interoperable environment for secure and governed data exchange. It enables controlled sharing through technical and legal infrastructure, ensuring data sovereignty, transparency, and trust while supporting collaboration among participants.



Sovereign Data Exchange

- Companies retain full control over their data
- Usage conditions are machine-readable and enforceable
- Avoids lock-in effects from centralized platforms



Trusted Collaboration

- Only verified participants can join
- Certificates, digital identities, and audits build trust in the ecosystem
- Protects sensitive company data from misuse



Interoperability

- Uses shared protocols and data models
- Systems can automatically exchange data even across organizational boundaries



Governance

- Ensures values: privacy, trust, transparency, competition.
- Avoids single-company control and ensures long-term sustainability.

Interaction Setup

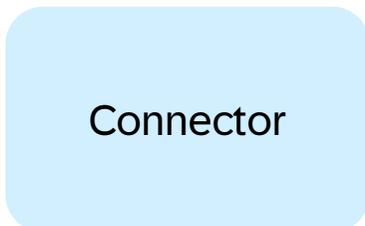
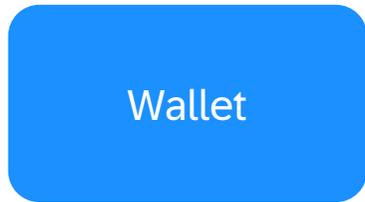


1. Identity

1. Identity

Company A

Company B



2. Identification

3. Discovery

4. Negotiation

5. Data Exchange

Decentralized
Identity
Verification

Data Space
Integration

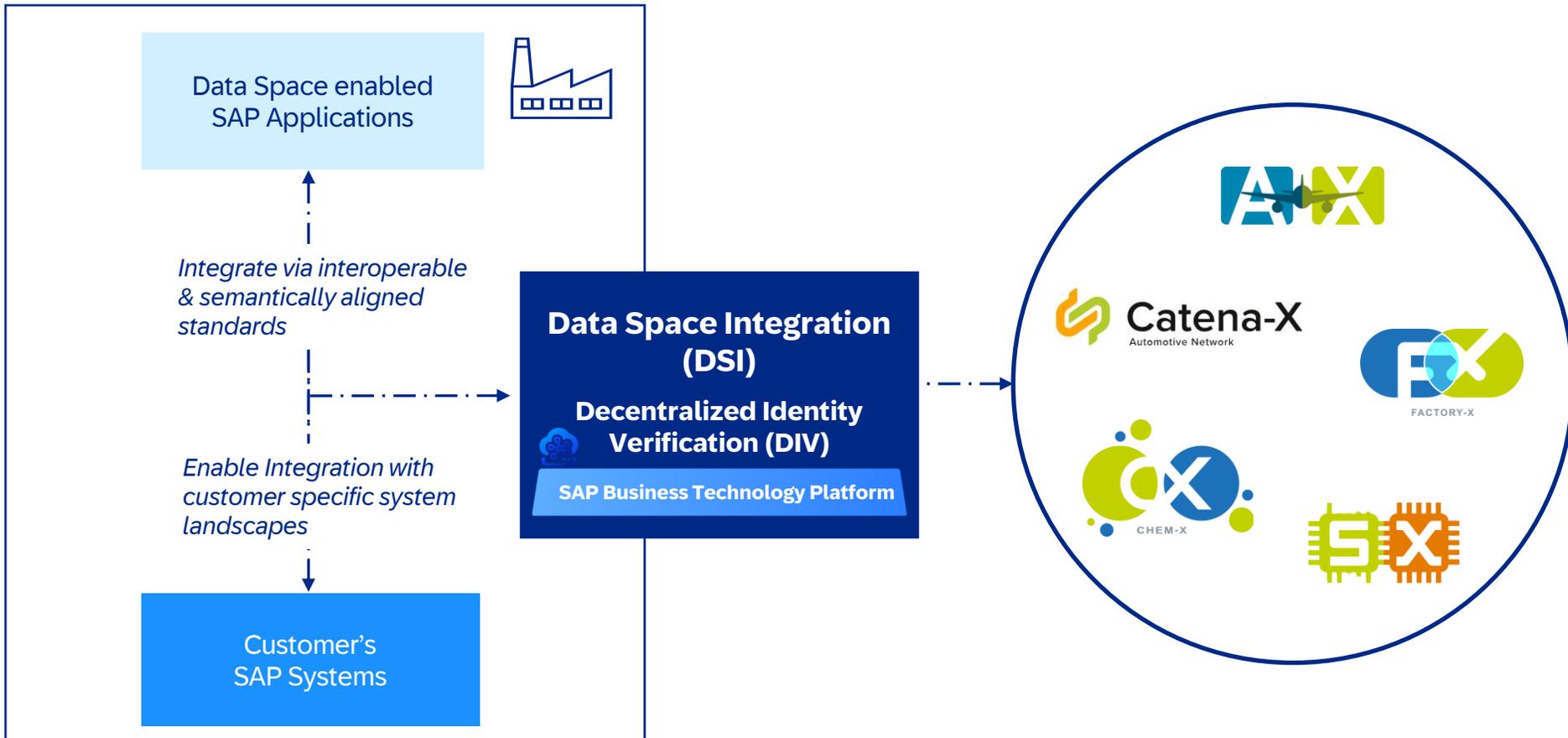


SAP Data Space Enablement

Paving the road for SAP Applications into various Data Spaces

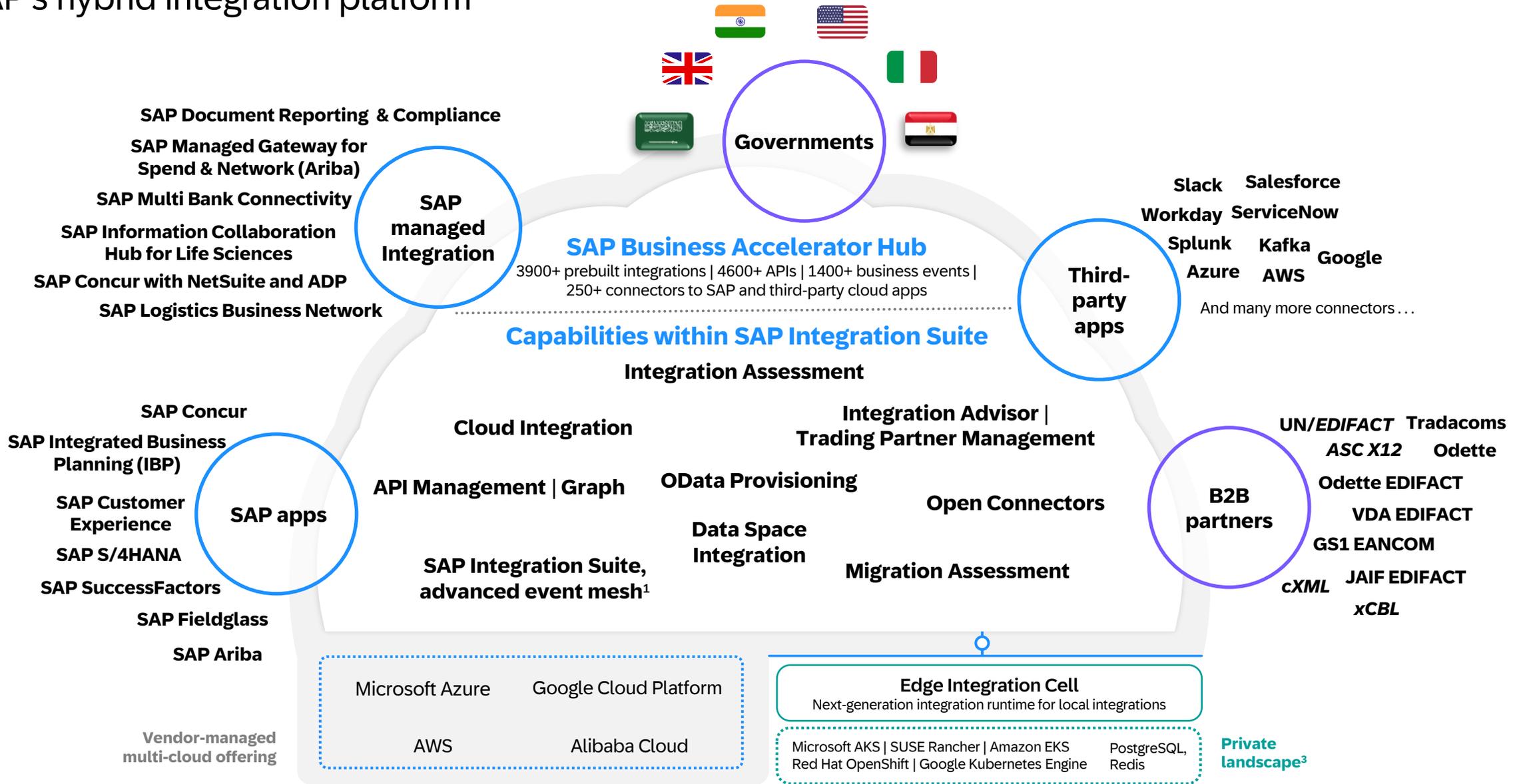
SAP is delivering foundational technologies that enable the data space integration of business applications.

Data Space Integration & Decentralized Identity Verification cover key functions such as managing network participants' identities, ensuring sovereign data exchange, and enforcing data usage policies.



SAP Integration Suite

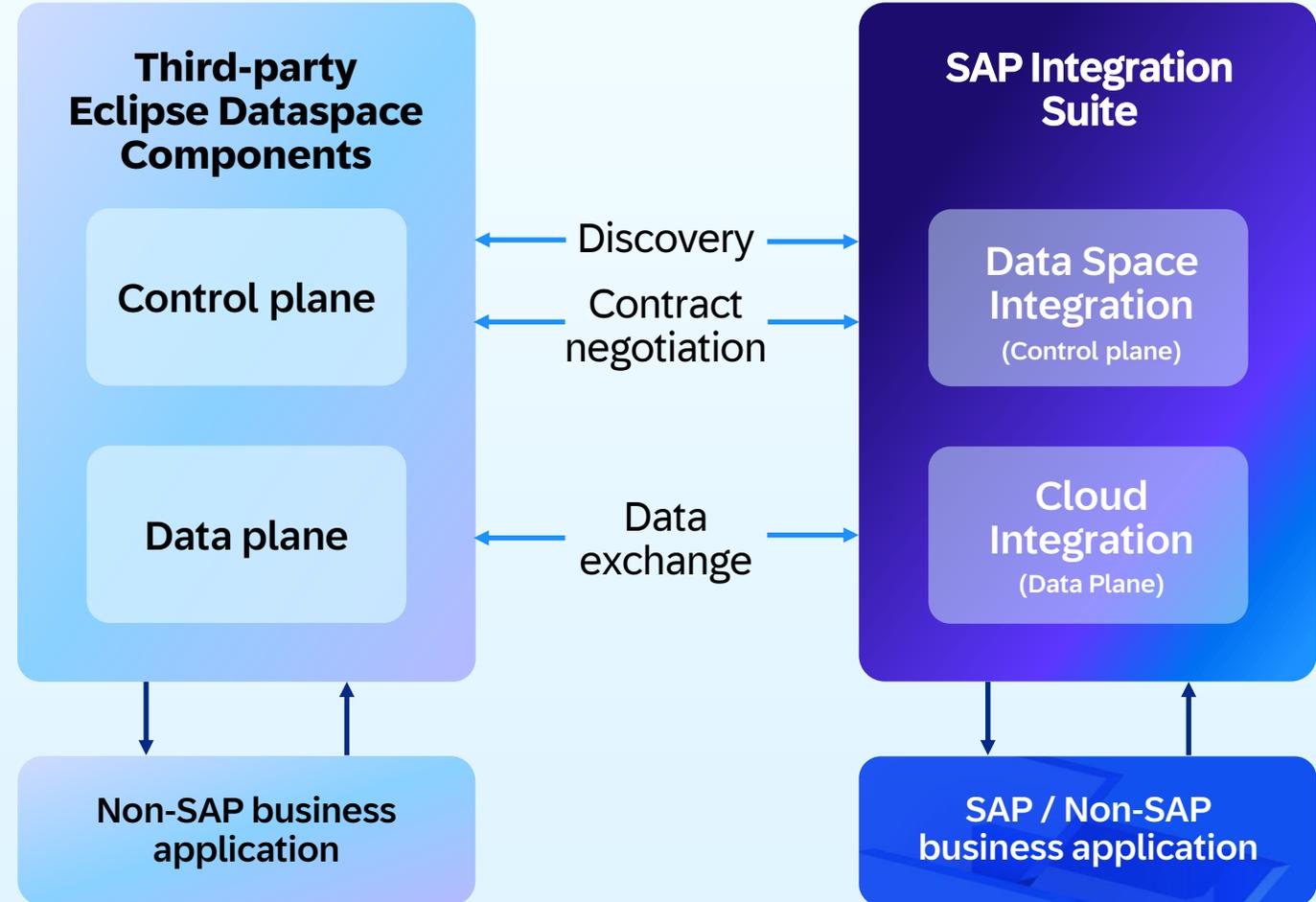
SAP's hybrid integration platform



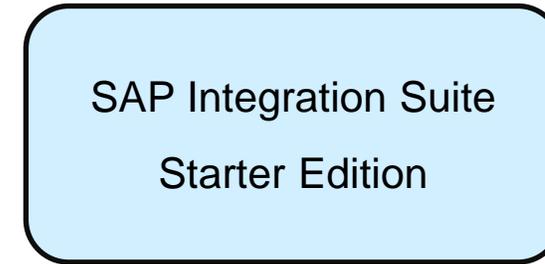
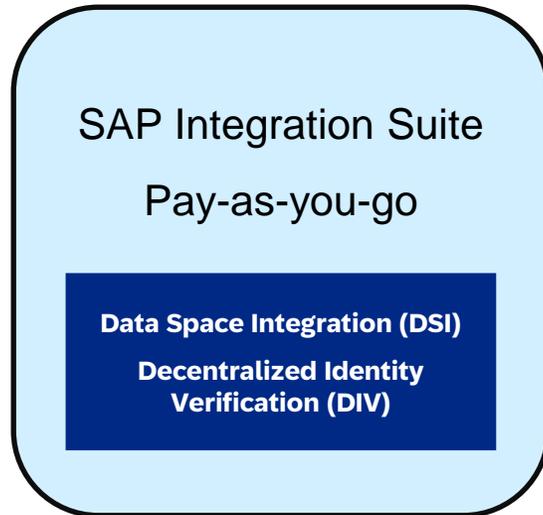
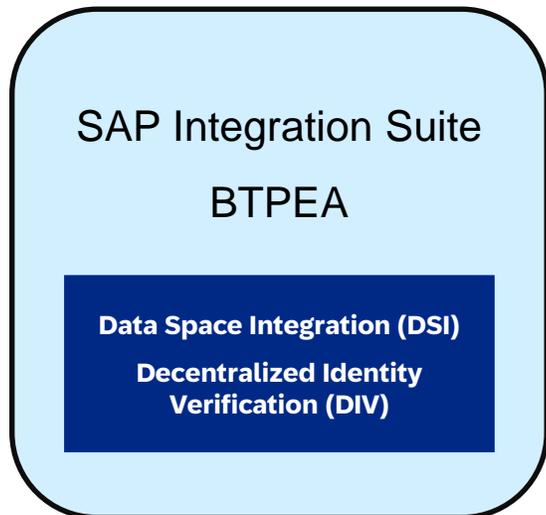
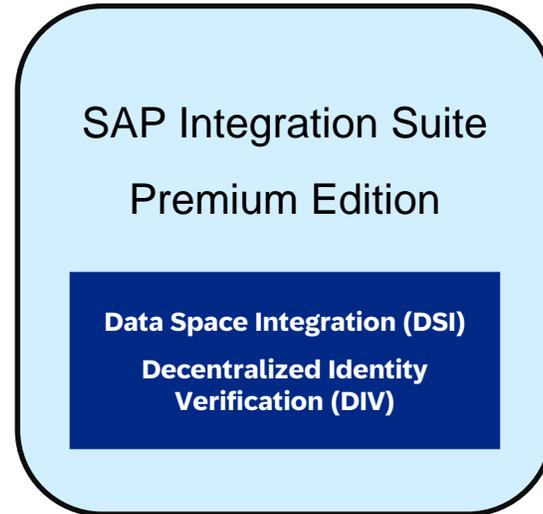
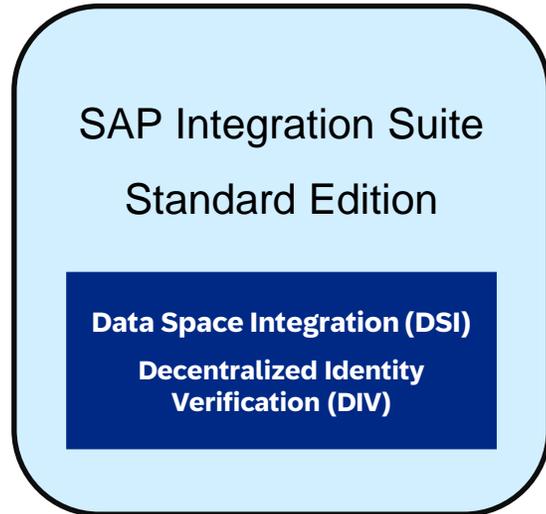
¹ Optional separate license | ² Part of the road map, subject to change | ³ Private landscape corresponds to on premise or private cloud

Data Space Integration

- **Data Space Integration** can be activated by SAP Integration Suite licensed customers
- Data Space Integration **control plane** to
 - Create and manage offers
 - Discover data offers from partners,
 - Negotiate data sharing contracts
 - Govern offer creation and negotiations
- DSI uses Cloud Integration as **data plane** for
 - Data exchange
 - Mapping and transformation of data
 - Simple integration with SAP and non-SAP applications



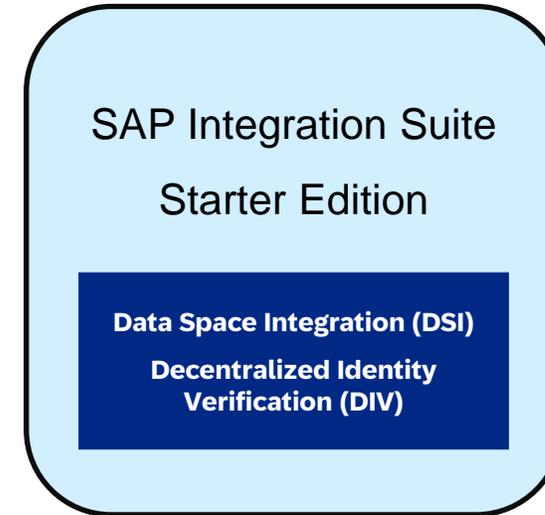
Availability of Data Space Integration



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