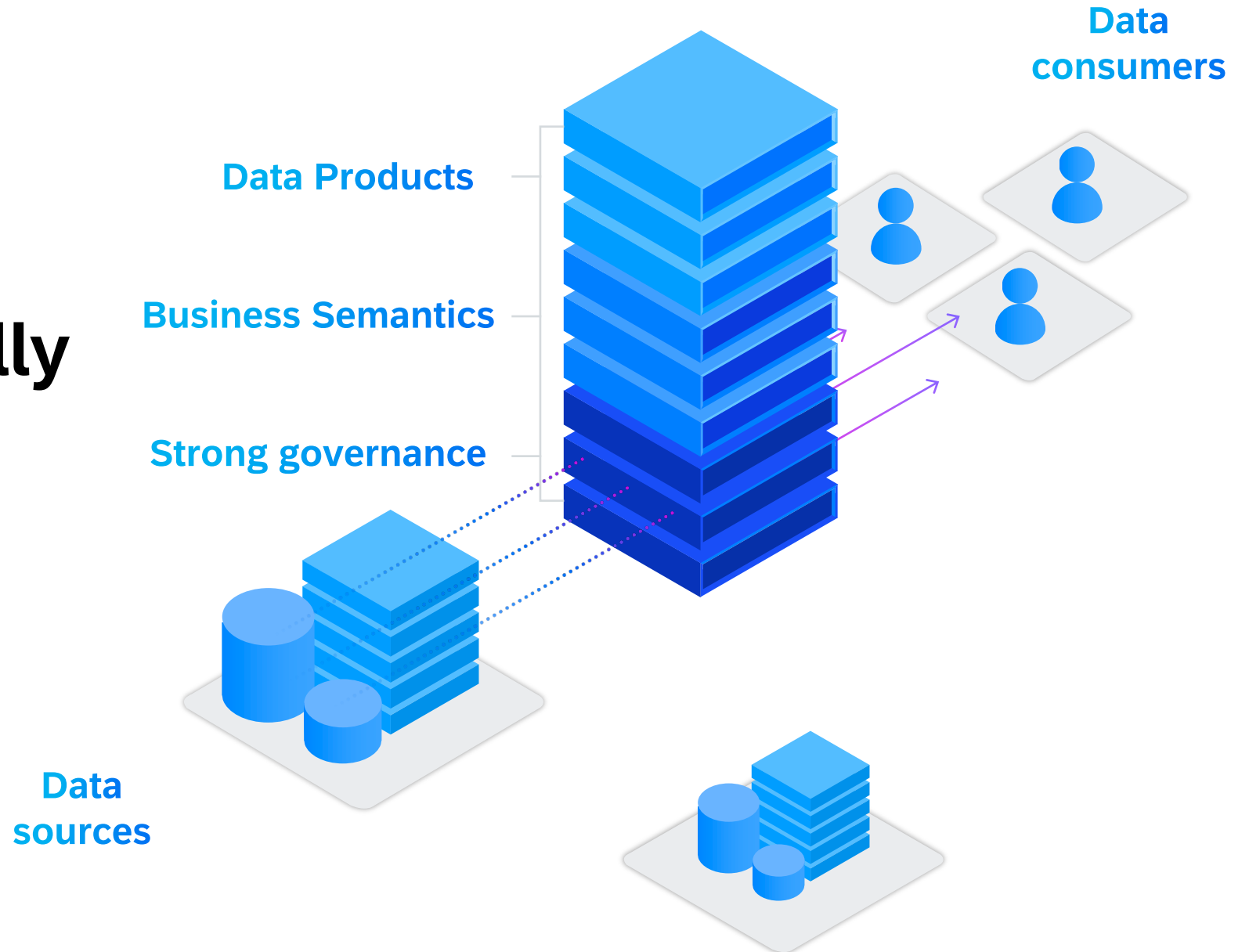


SAP BTP Innovation Day

Building the foundation for a business data fabric architecture

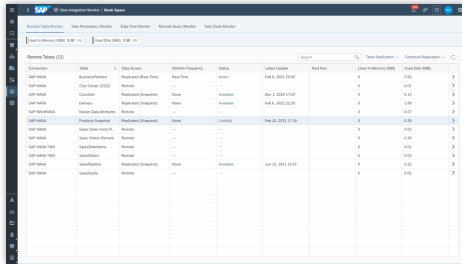
Chris Pritchard, BTP Center of Excellence
October, 2023

A business data fabric radically simplifies your data landscape



Integrate. Open for Virtual Access and Persistence

Virtual Access

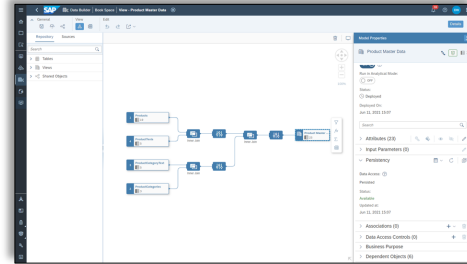


Remote table federation

- Leave data in the source system and access remotely in real-time when needed
- No upfront data movement
- Federation is supported across various sources and hyperscalers



Persistence



Remote table replication

- Real-time replication or snapshots using single entities

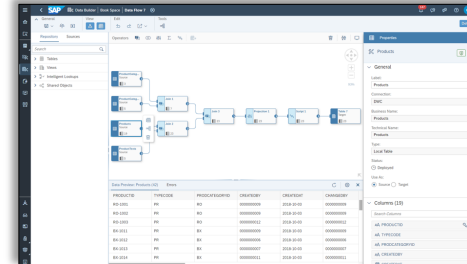
Replication flow

- Replication with multiple entities and flexible targets

View Persistence

- Materialize view output results in a stable persistence

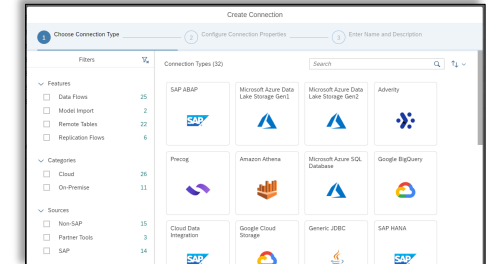
Data Flow



Batch loads & transformations

- Combine structured and semi structured data while defining ETL processes
- Advanced transformation capabilities leveraging Python 3
- Schedule in task chains

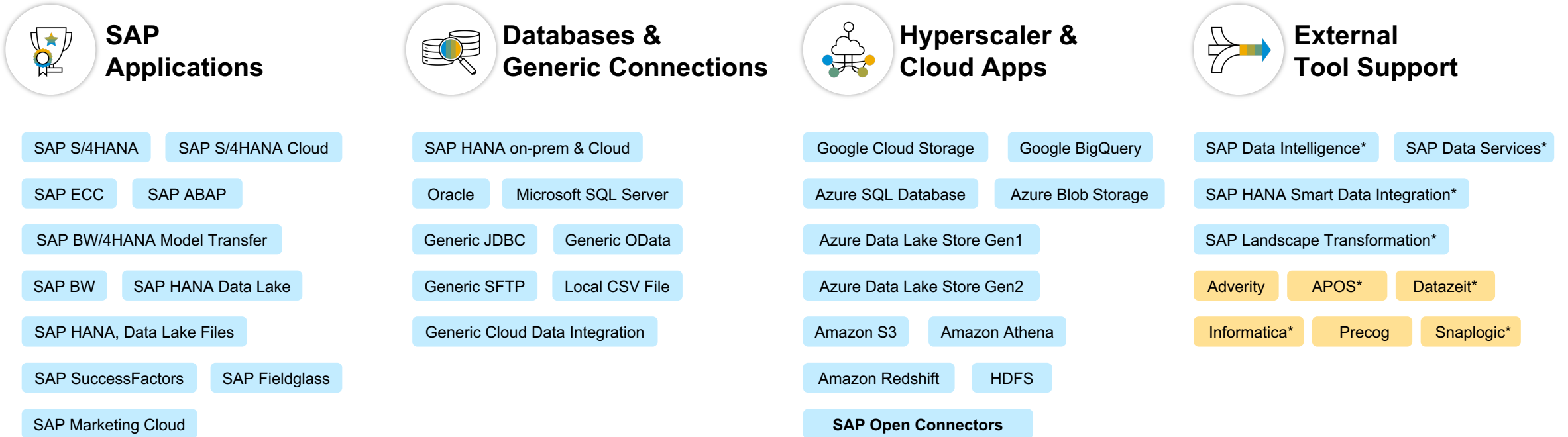
External Tools



Integrate with all data sources

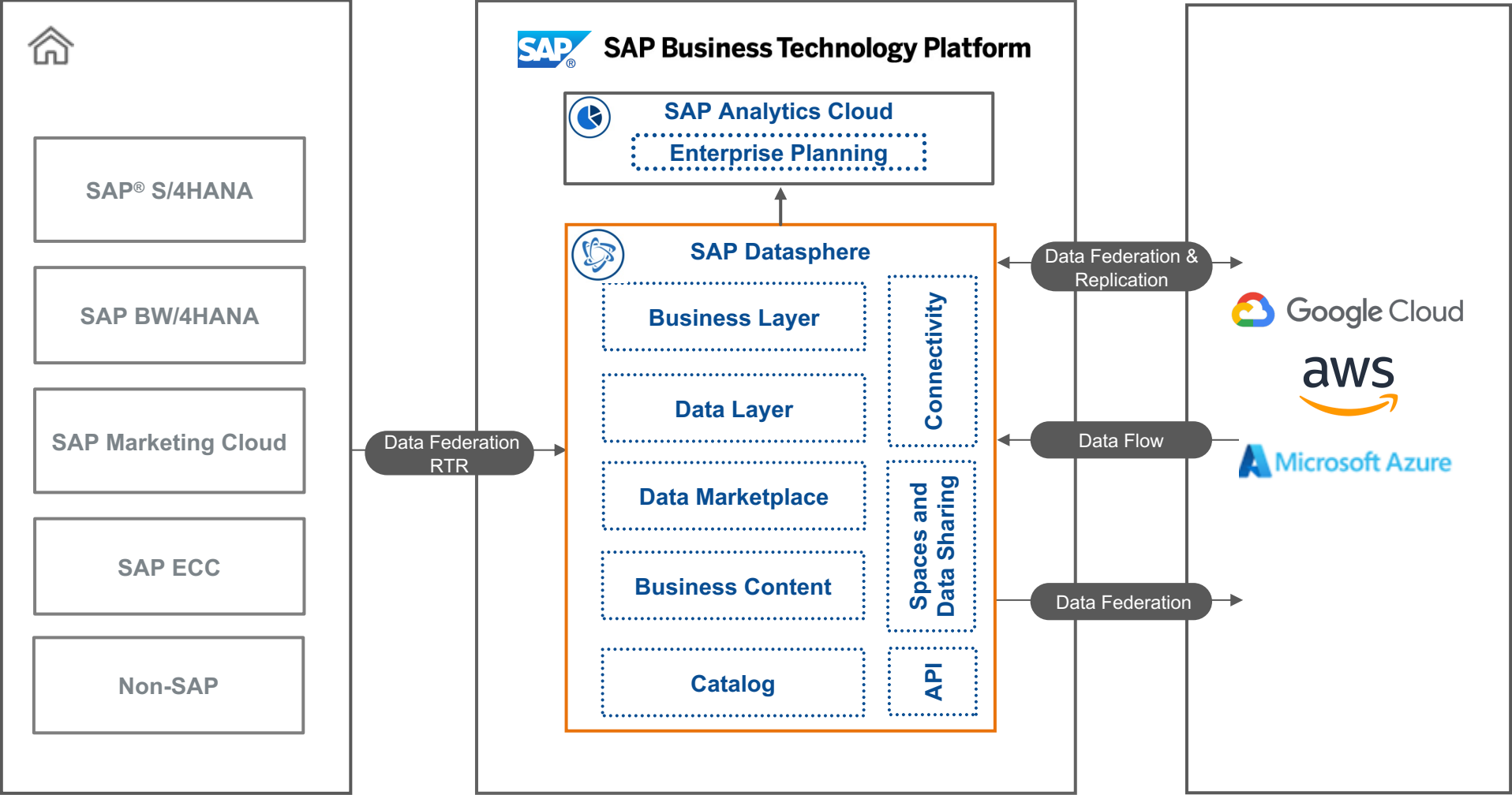
Allow external data movement tools like SAP Data Services, SAP Data Intelligence, SAP OpenConnectors, SnapLogic, Precog, Adverity, etc. to bring data into the system using SQL interfaces and the open SQL schema

Integrate. Data Sources Overview



SAP Help: [Connection Overview](#)

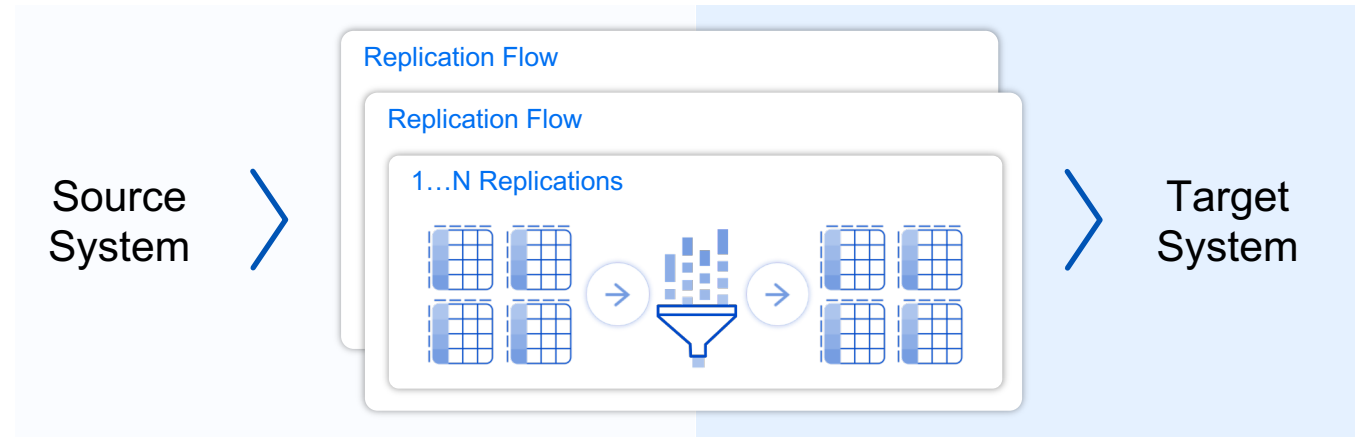
Reference Architectures...



Enable mass data replication & transformation

Replication Flow

Available today



Upcoming Innovations

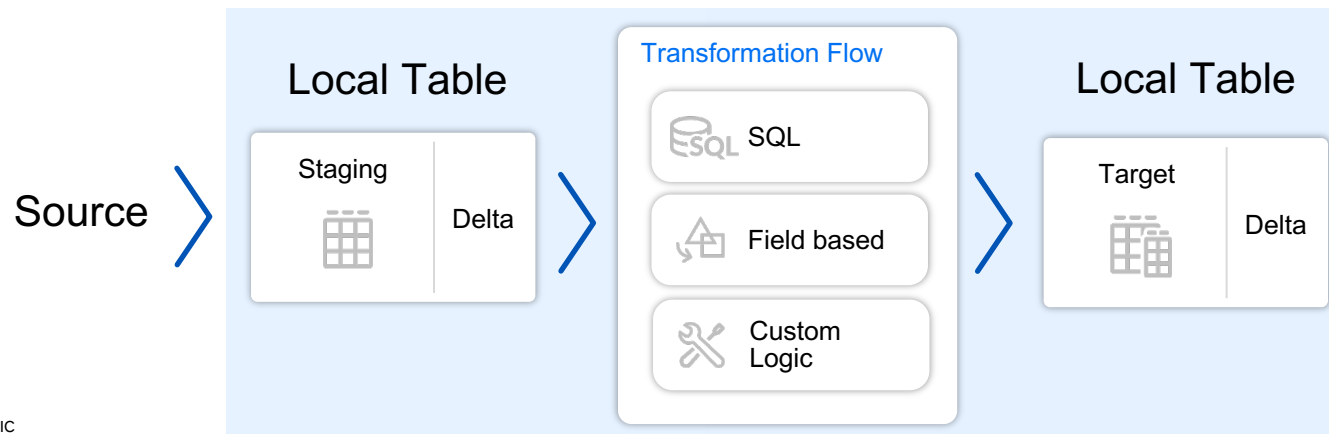
Outbound connectivity to non-SAP systems
(e.g. data lakes, Kafka)

Endorsed partner connectivity for Replication Flows
(Google, Confluent, Databricks)

Functional enhancements
(scheduling, schema evolution etc.)

Transformation Flow

Q4 2023



Upcoming Innovations

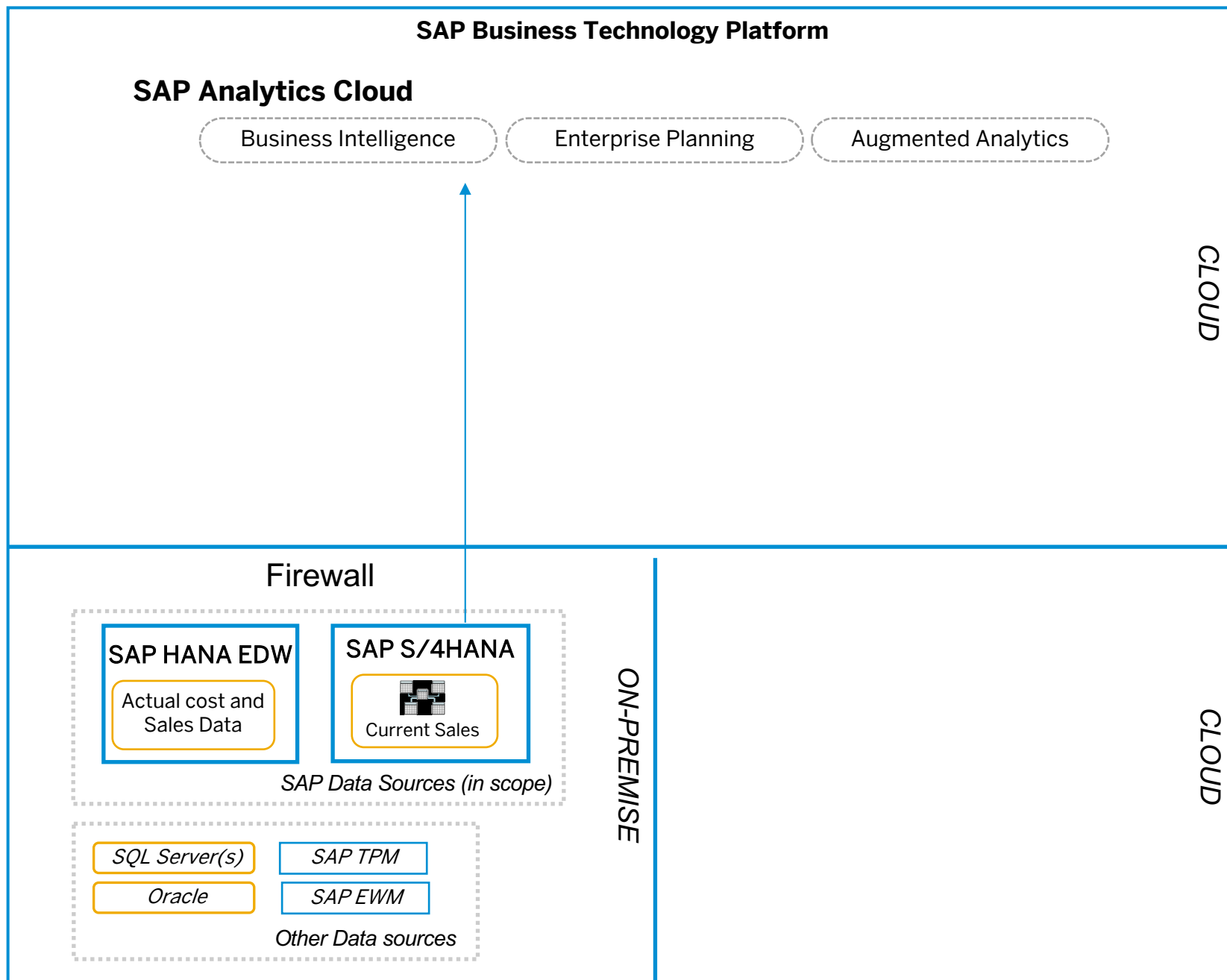
Delta staging in SAP Datasphere to enable SQL transformations, delta writing for multilevel staging, and storage of holistic truth after transformation

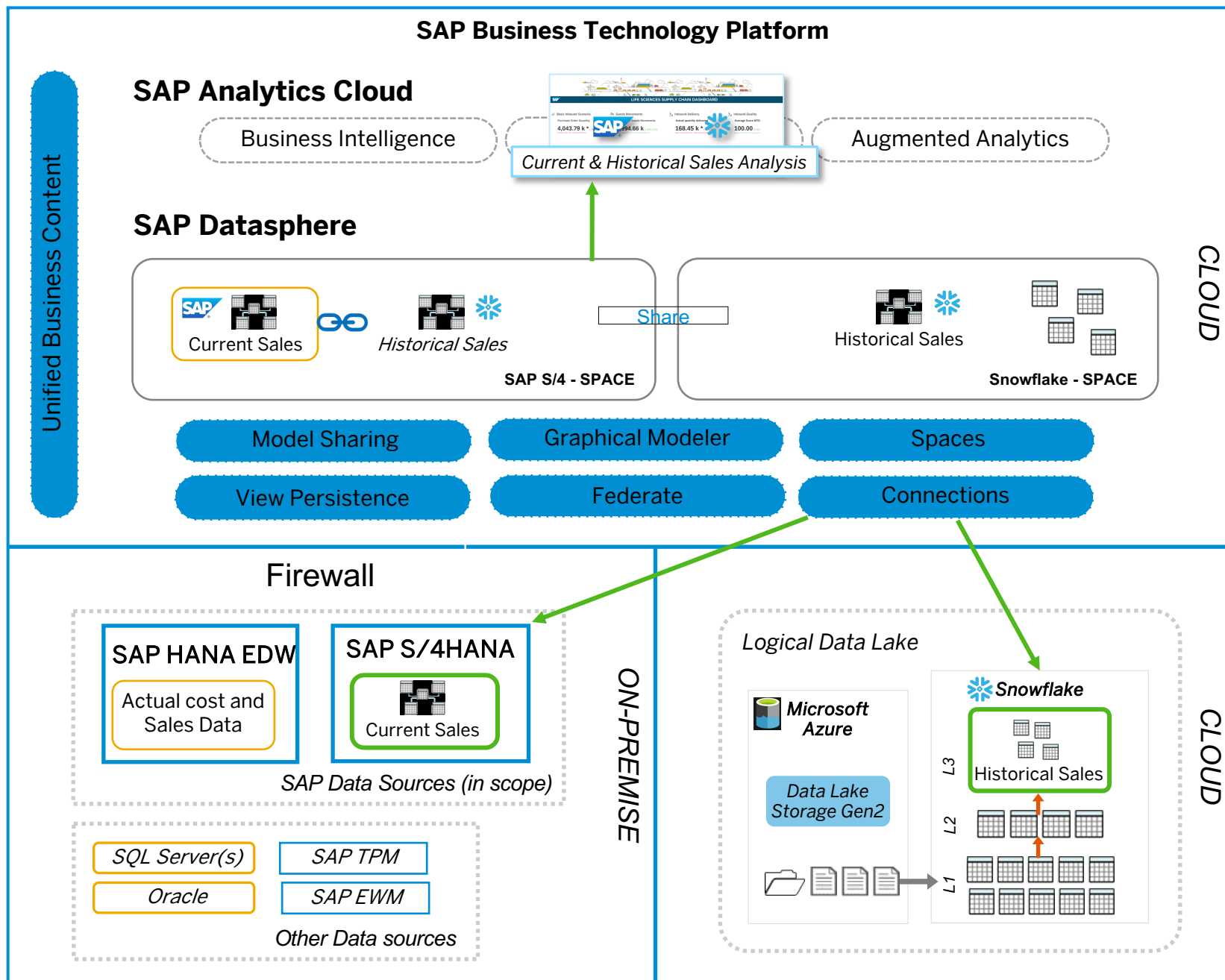
Schedulable via task chains and integrated in data integration monitor

Data Harmonization Use Case

Using **SAP Datasphere** to combine **Historical Sales Orders (Azure / Snowflake)**

with **Current Sales Orders (SAP S/4)** to analyze in **SAP Analytics Cloud**





Build your Business Data Fabric

with SAP Datasphere



Challenges:

- Combine data from various SAP and Non-SAP source systems to analyze current revenue, opportunities and orders
- Identify the best action based on business and service partner locations as well as customer payment ratings

Solution & Benefits:

- Leverage SAP Datasphere's openness to build a Business Data Fabric and to model data in a trusted environment
- Create customer payment ratings via FedML Libraries with Databricks
- Tight integration between SAP Datasphere and SAP Analytics Cloud allows to create a comprehensive dashboard for decision making

Sales & Orders

BW Fiscal Year: 2022



Filter (All)

S4HC BusinessPartnerFullName (All)

Filter (Salesforce - SAP S/4HANA)

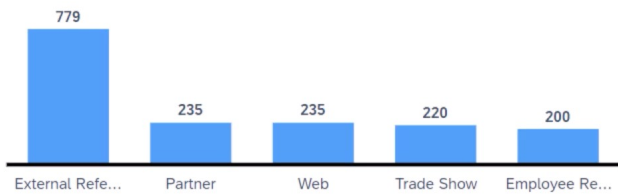
by SF ExpectedRevenue



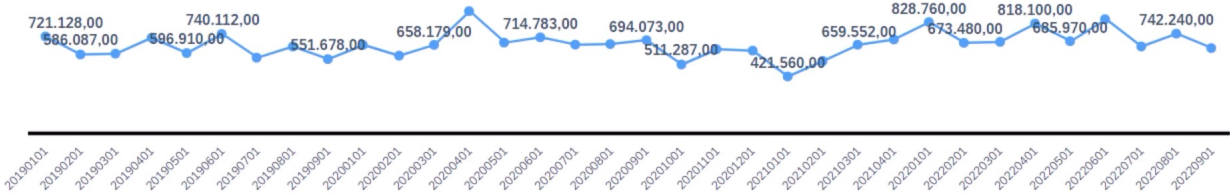
6,56 (+182,98%)

Order Value (SAP BW/4HANA) FY in million

Lead Sources (Salesforce)



Historic Order Value (SAP BW/4HANA)

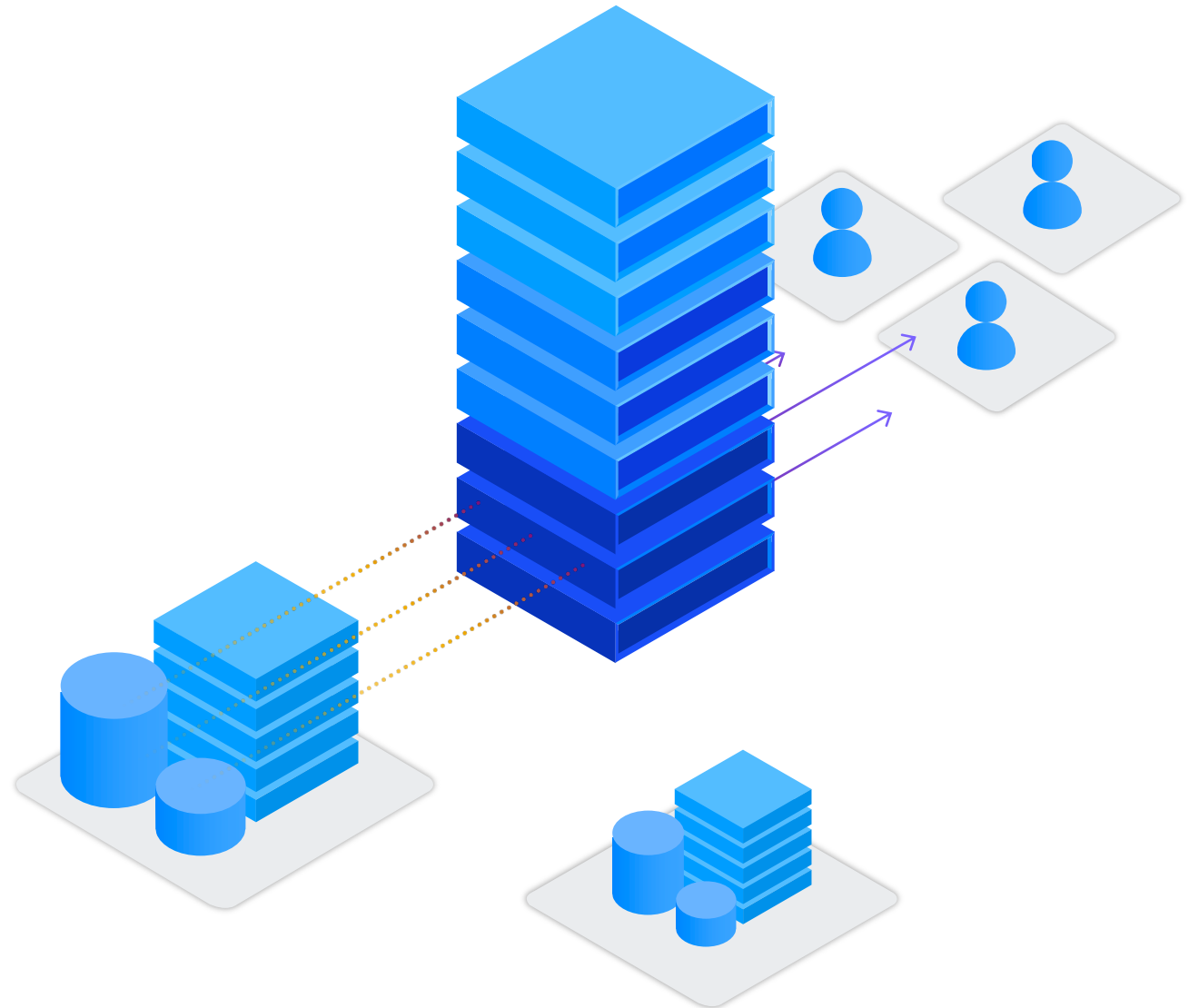


Opportunities & Payment Risk (Salesforce - SAP S/4HANA)

					Measures	
					SF ExpectedRevenue	SF Probability
SF Opportunity Id	SF StageName	S4HC BusinessPartnerFullName	S4HC Risk Class	S4HC Rating Payment Behav		
00609000009NNIoAAG	Negotiation/Review	Mover Parts Inc.	A	90	243	90
00609000009NNIfAAG	Proposal/Price Quote	Mover Parts Inc.	A	90	203	75
00609000009NNm3AAG	Needs Analysis	Mover Parts Inc.	A	90	135	20
00609000009NNIhAAG	Value Proposition	KeepCurrent, Inc	C	66	125	50
00609000009NNIbAAG	Negotiation/Review	Mover Parts Inc.	A	90	113	90
00609000009NNIvAAG	Perception Analysis	Startech Corporation	A	91	84	70
00609000009NNluAAG	Proposal/Price Quote	EV Parts Inc.	B	79	75	75

What's next?

- **Tight Integration into SAP Applications**
- **Lakehouse Architecture**
- **Foundation for GenAI Enablement**



Worldwide customers



A vibrant ecosystem

ISV partners



SI partners



Start your data and analytics journey with SAP Datasphere Academy

Datasphere Follow Up Discovery Session



- **Setup follow up appointment** to define use cases

Free Tier



- **Testing use cases**
- Defined test scenario
- **Evaluate SAP BTP services** to integrate & extend solutions with access to 90+ SAP BTP services for 90 days

CPEA (Consumption commit)



- **Defined use cases**
- Want to start small (use case or capacity) and grow on demand
- Known BTP services
- Predictable usage and flexible consumption

Discover our **data and analytics** offerings to expand on your data journey. See how you can start **making trusted business decisions with your data today**.

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