APOS

Live Data Analytics – Unlock New Value and Insight

Today's Session

Key Topics

- Live Connectivity for Analytics
- Live Data Gateway Overview
- Virtualized Connectivity
- Data Preparation
- Data Consumption
- Q&A – see webinar console

APOS

Today's Presenters

ALLAN PYM

Chief Operating Officer
APOS

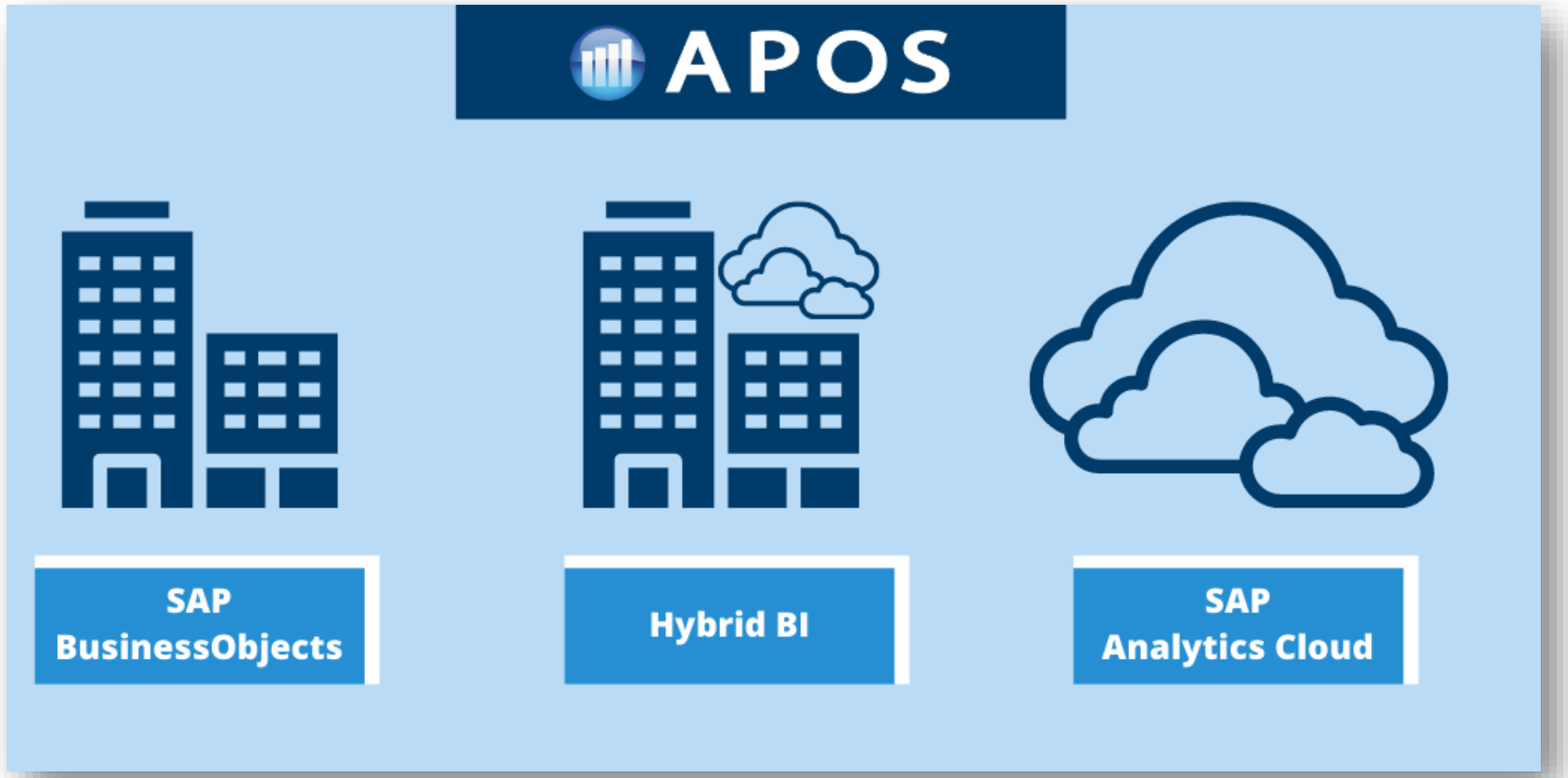
ALAN GOLDING

Solution Consulting Manager
APOS

Who is APOS?

- Formed in 1992
- Enabling BI platform management, administration, migration, governance and compliance
- Simplifying, automating, extending SAP BusinessObjects and SAP Analytics Cloud
- Strategic SDK development and consulting
- Hundreds of customers globally

SAP Partner



EXTEND
SAP ANALYTICS

HOUSEKEEPING

You will have access to the slides via email

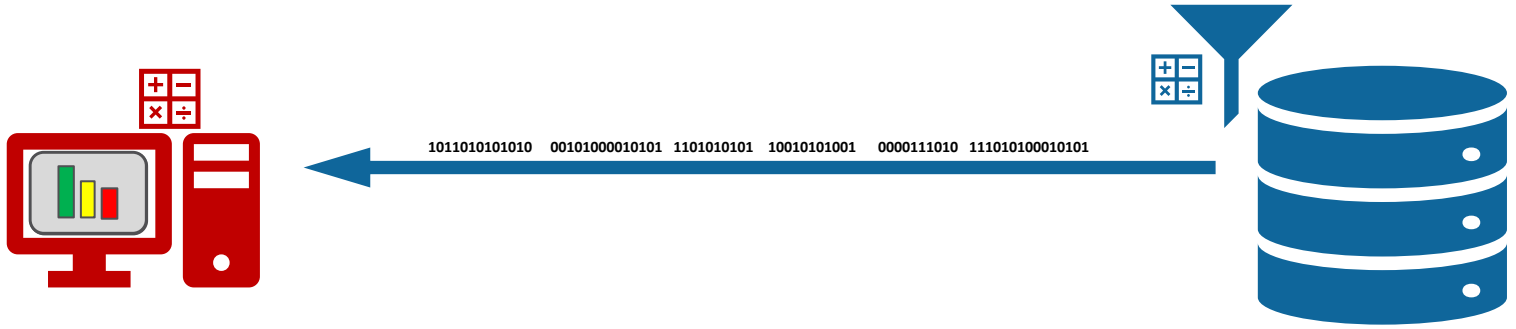
You will get the recording within 24 hours

Tell us how we did in the survey

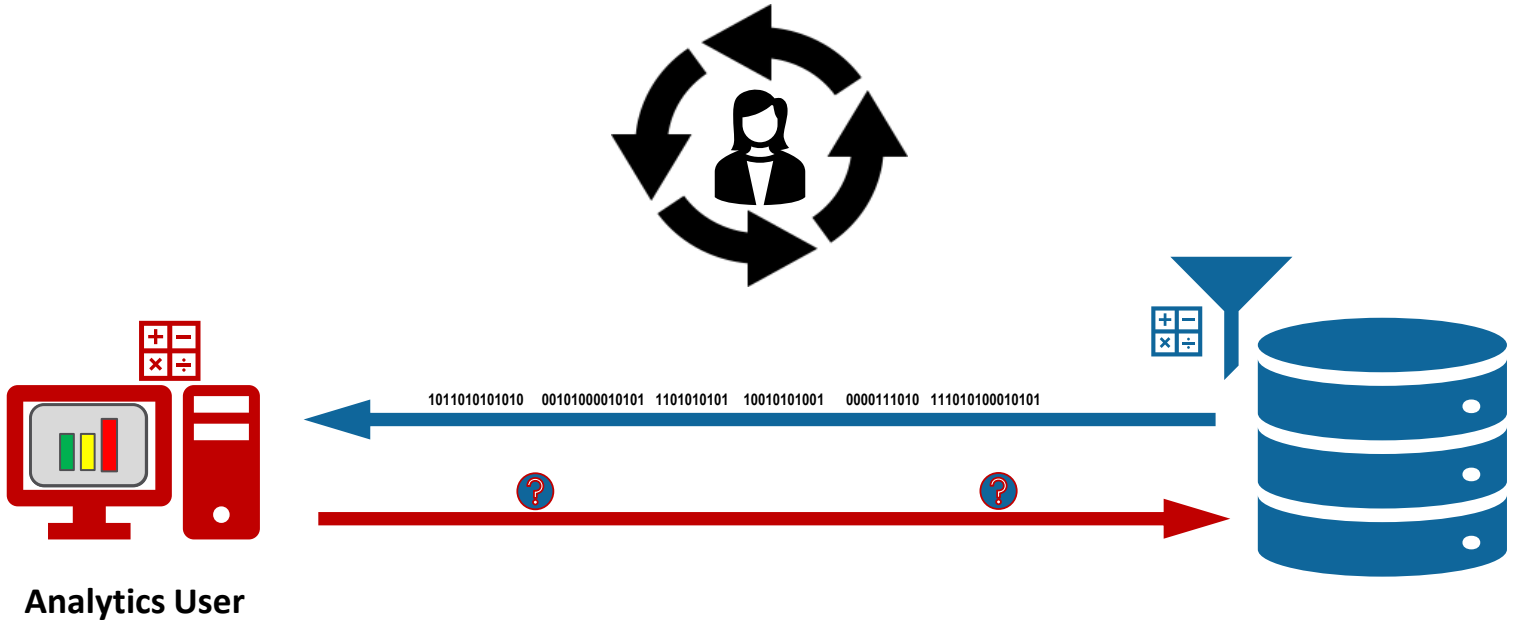
Live Data Analytics

Live Data Analytics

Live Data Analytics



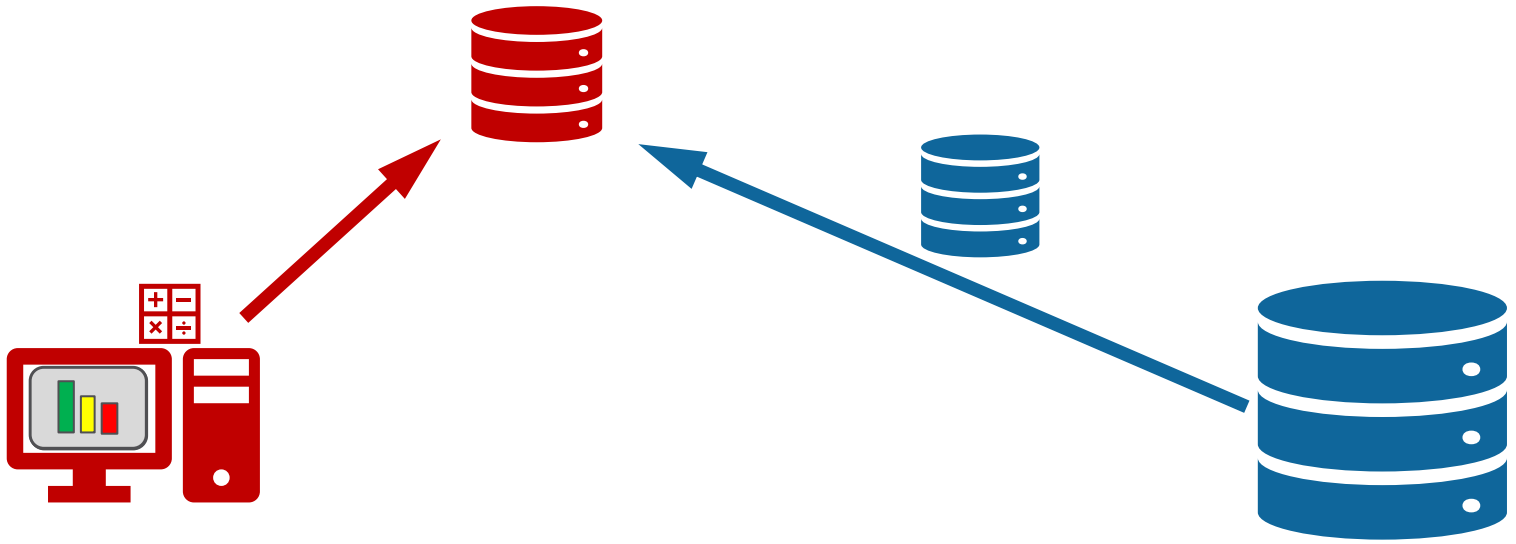
Live Data Analytics



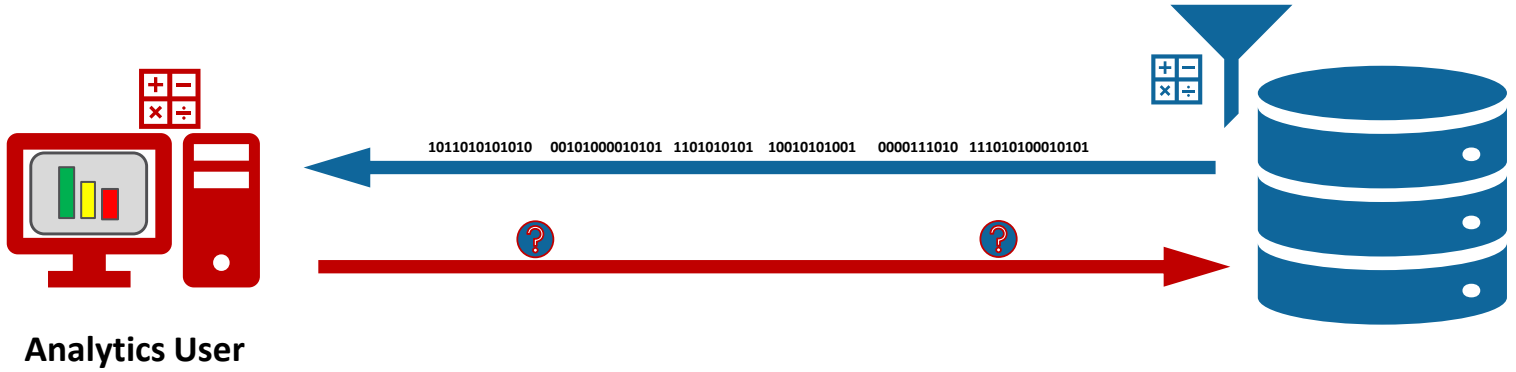
Key Benefits:

- No unnecessary movement of data
- Only focused queries requested, only focused data returned
- Reduced data transaction costs
- Database security controls are retained
- No need to remodel data within analytics solution

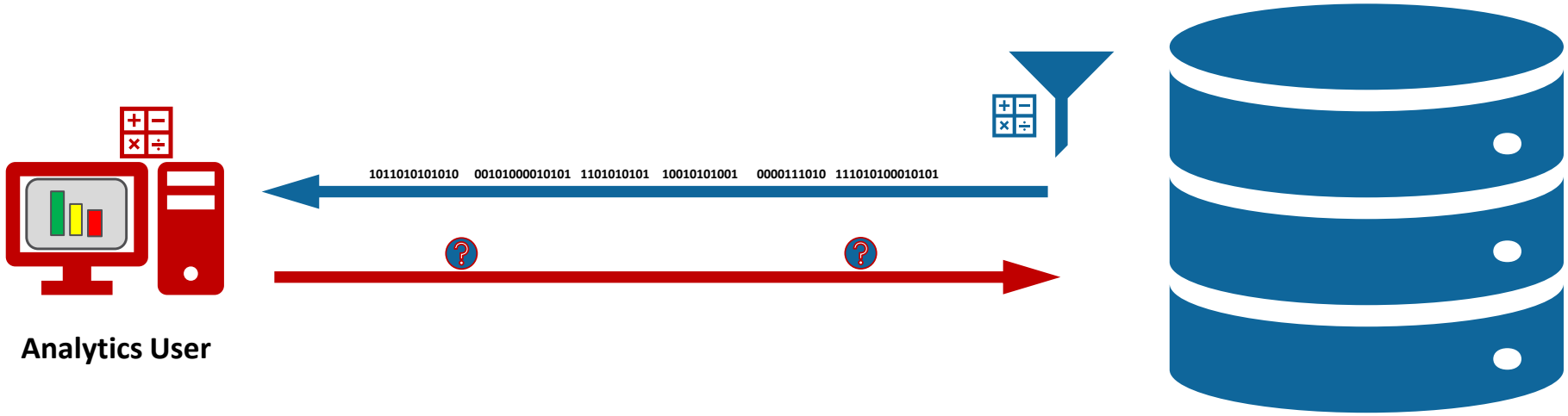
Analytics User


Analytics User

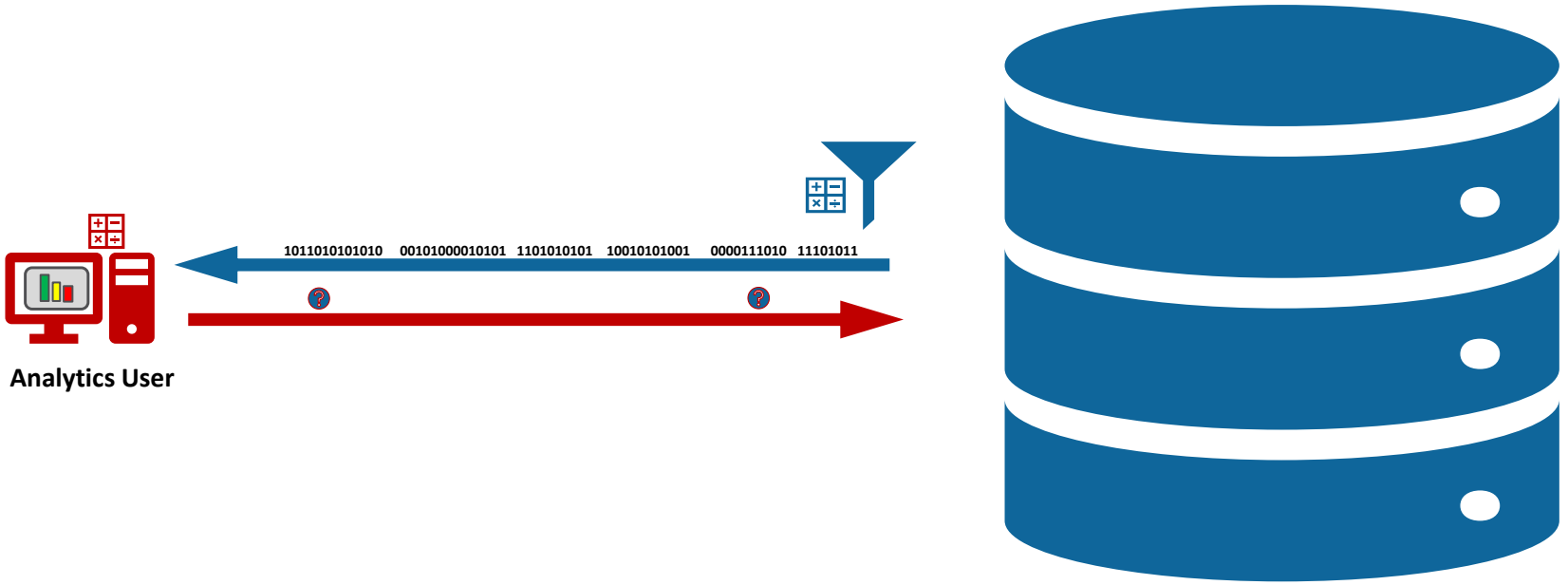
Live Data Analytics – Growing Data



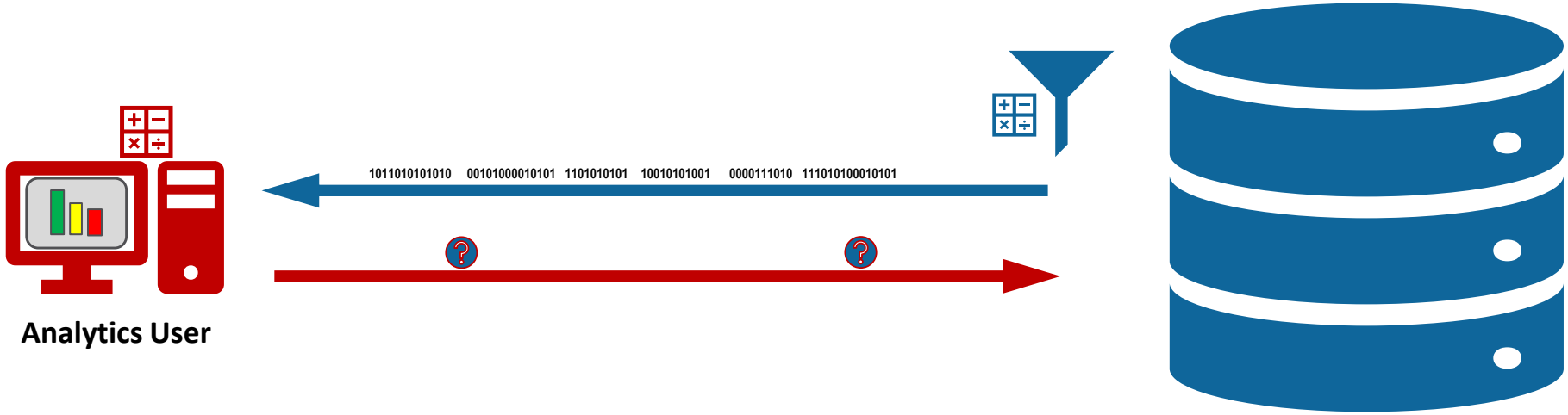
Live Data Analytics – Growing Data



Live Data Analytics – Growing Data



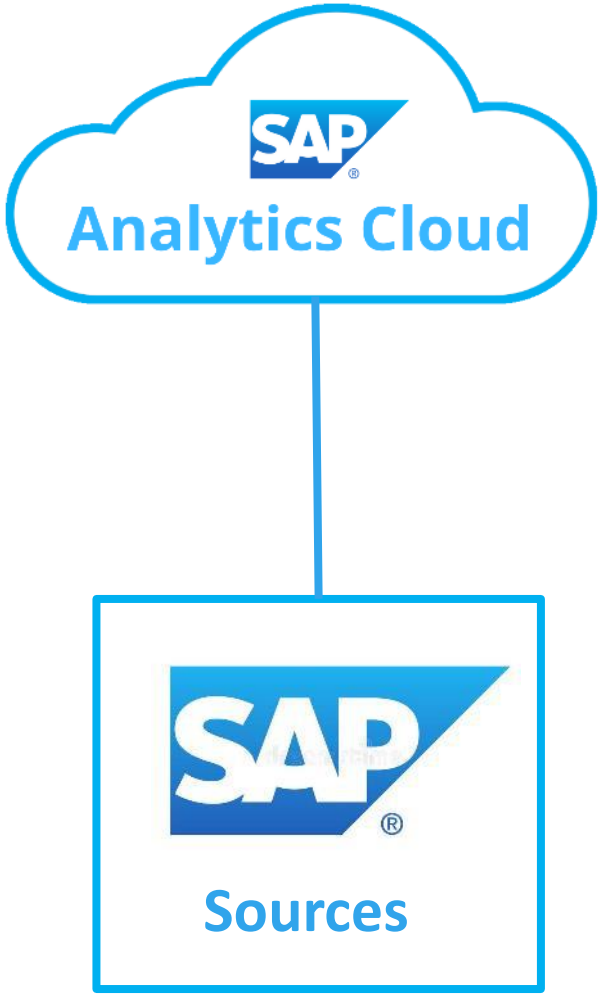
Live Data Analytics – Important Factors



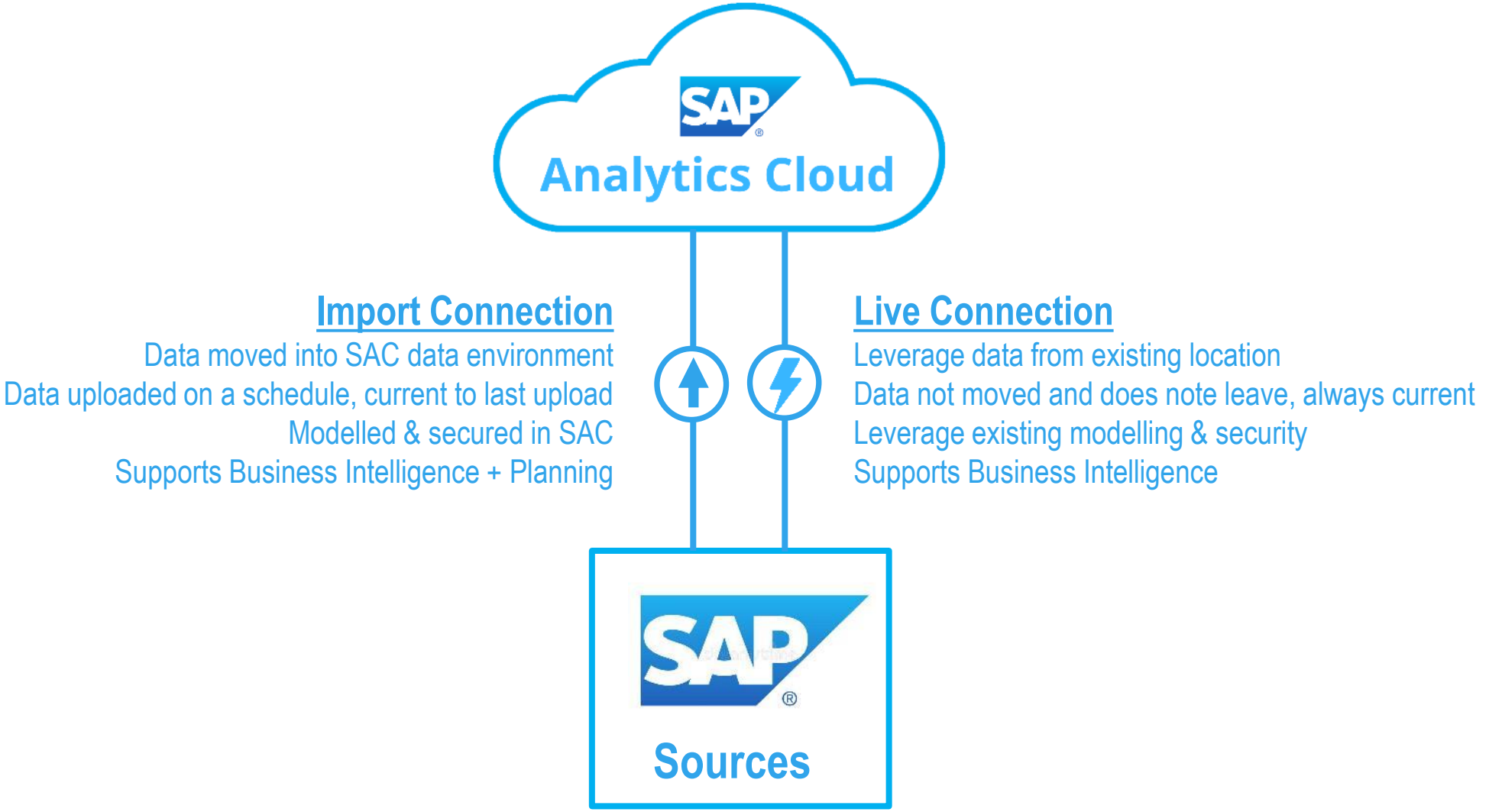
Important Factors:

- Data volumes too large for data download or replication
- Significant changes in data technologies for high-performance
  - Cloud data platforms; In-memory platforms
  - Extremely fast & highly responsive
- Live connectivity now very viable with strong performance
- Live connectivity removes data latency
- Live connectivity can enable unified security

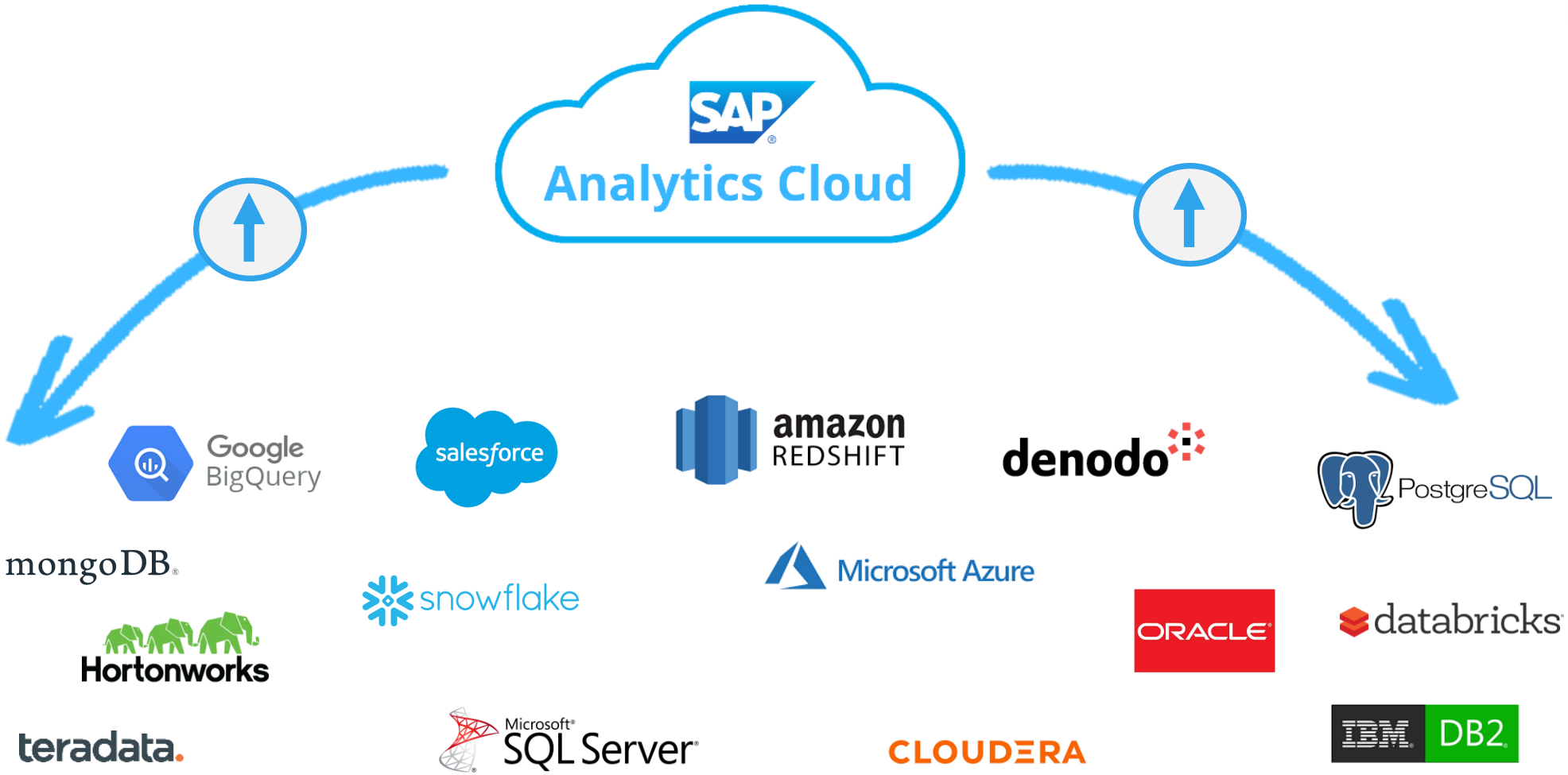
SAC Connectivity



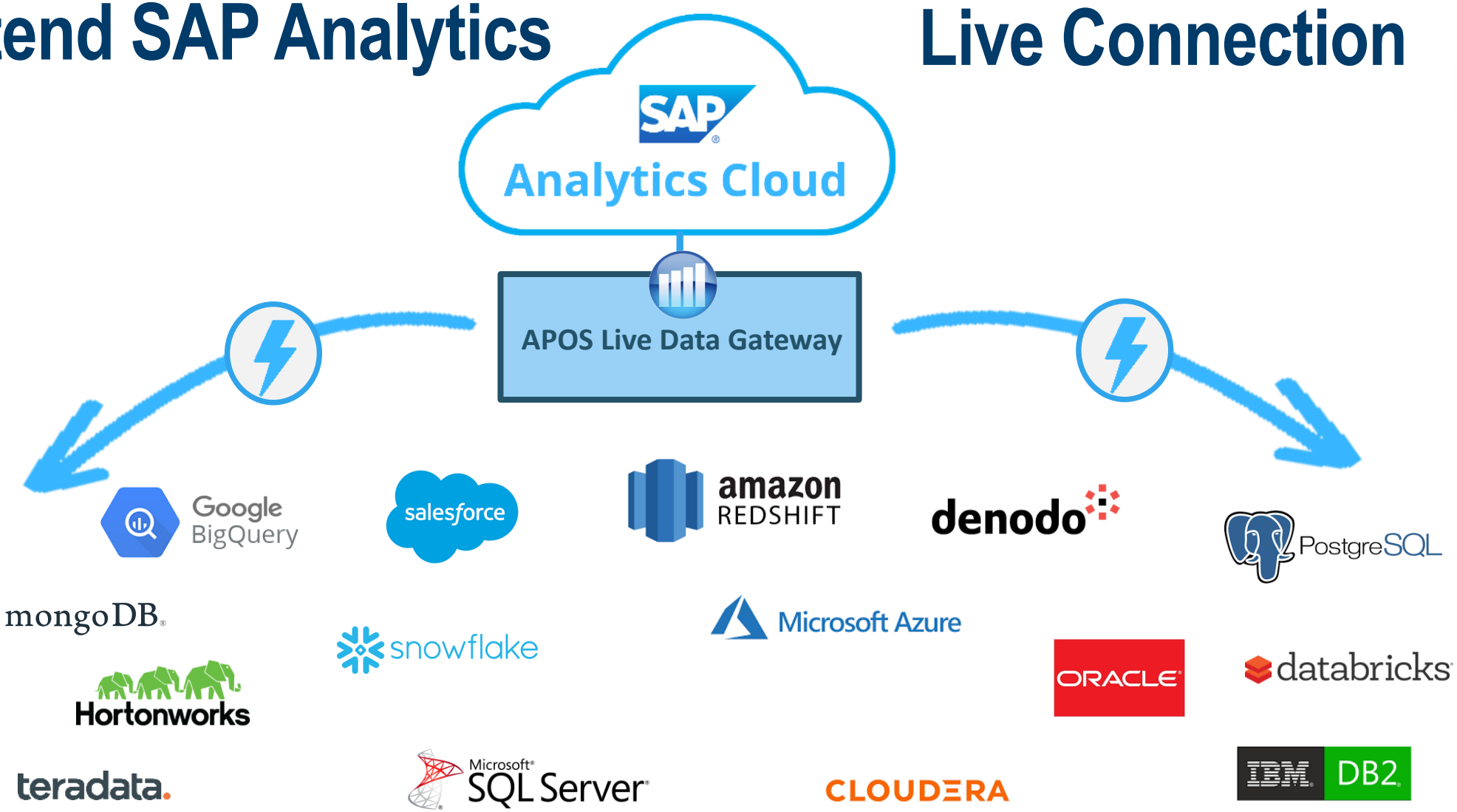
Live & Import Connectivity



SAC Connectivity to Non-SAP Sources - Import



Extend SAP Analytics Live Connection



Alan Golding
Solution Consulting Manager
APOS

APOS Live Data Gateway – Unlock Live Data

APOS Live Data Gateway is a middleware platform which provides virtualized data connection and data transformation to enable live data connectivity and expanded data source options for SAP Analytics Cloud, with a primary focus on **non-SAP data sources**.

- Leverage data from its current location
- No movement or importing of data
- Leverage existing data modelling
- Leverage existing security models
- Data is always current
- Data never leaves the firewall
- No added data storage requirements
- Reduce data bandwidth requirements

Available on SAP Store

APOS Live Data Gateway

Supported Data Sources

- Amazon Athena
- Amazon Aurora
- Amazon EMR
- Amazon Redshift / Redshift Spectrum
- Amazon S3
- Azure Analysis Services
- Azure Cosmos DB
- Azure Data Lake
- Azure SQL Database
- Azure SQL Data Warehouse
- Cloudera
- Databricks
- DB2
- Denodo
- Google BigQuery
- Google Cloud Platform
- Hortonworks
- Informix
- Microsoft SQL Server
- Microsoft Analysis Services
- Azure Blob
- Mongo DB, Mongo DB Atlas
- MySQL
- Netezza
- Oracle
- Oracle Essbase
- Oracle Exadata
- Postgres
- Presto
- Salesforce
- Snowflake
- Sybase IQ, Sybase SQL Anywhere
- Teradata

- SAP BusinessObjects Universes (UNV, UNX)
- SAP BW - version 7.3 and higher

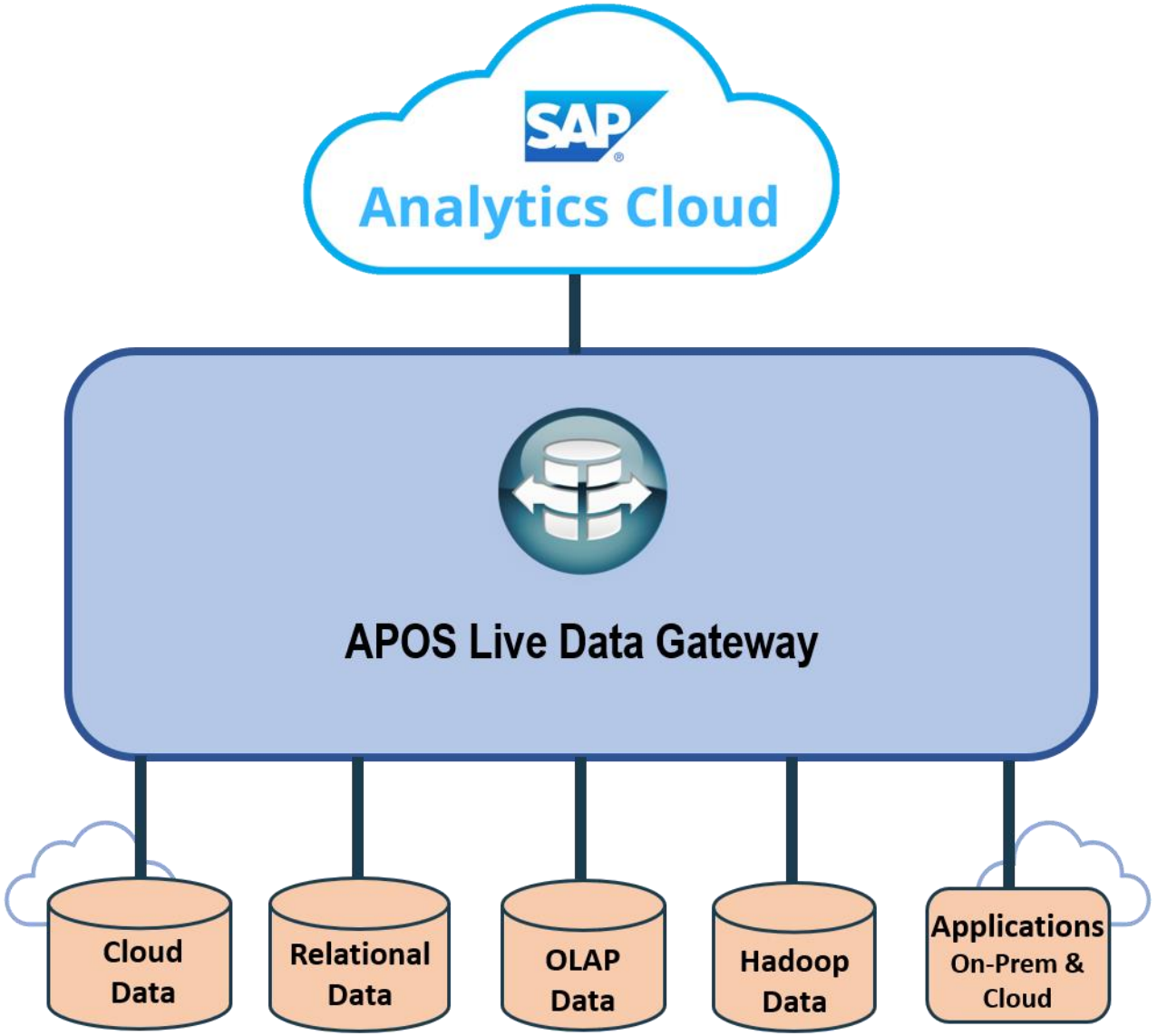
- JDBC connectivity

Extended Data Sources: 100+ Additional data source and application connection options

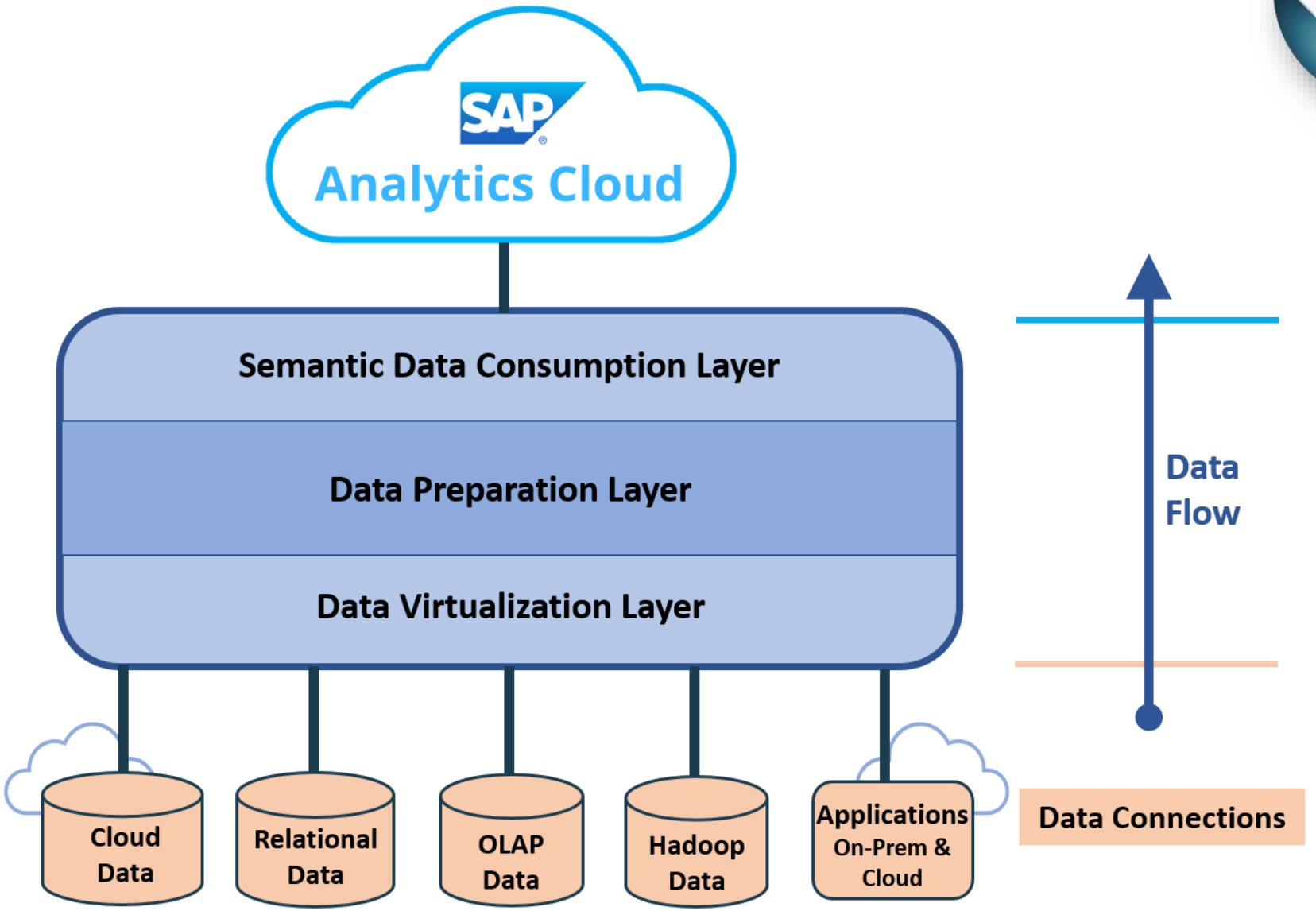
https://www.apos.com/content/apos-live-data-gateway-data-sources-supported

Available on **SAP Store**

APOS Live Data Gateway



APOS Live Data Gateway

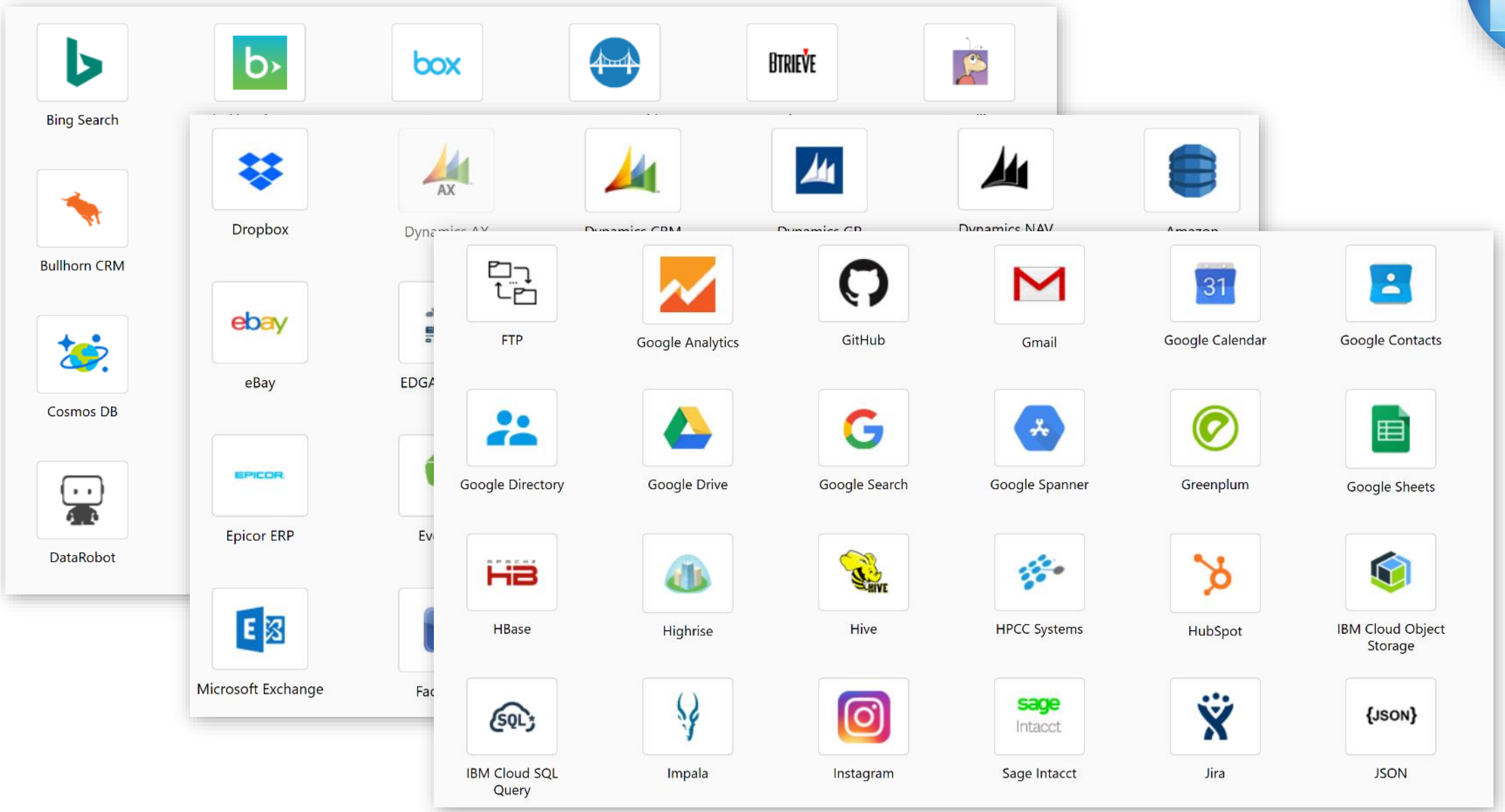


Live Data Gateway

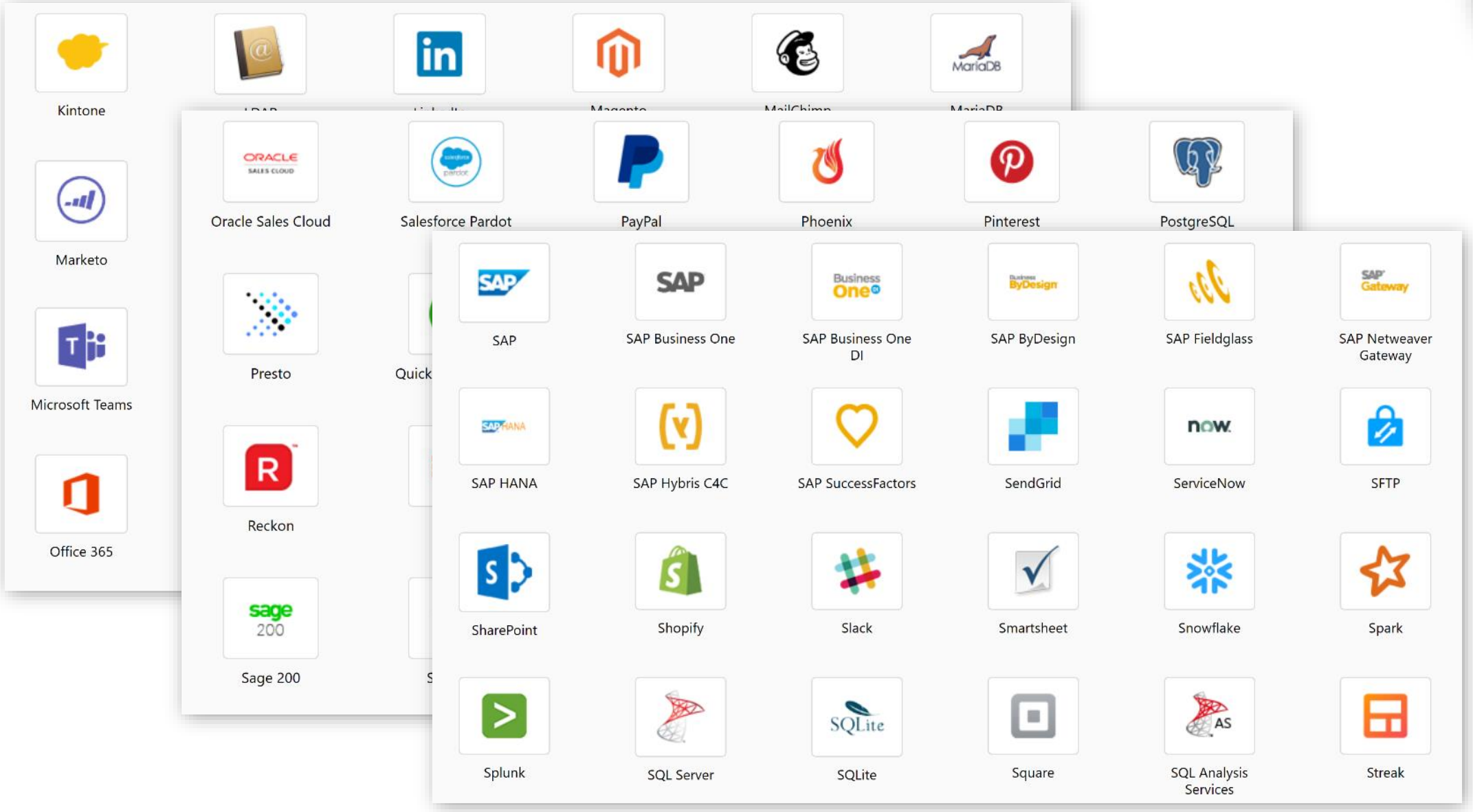
Data Virtualization Layer

- Server level connectivity
  - Single point of connection to data sources
- Connect to wide range of sources + unique sources
- Data security
  - Respecting database security
  - Integrated SSO

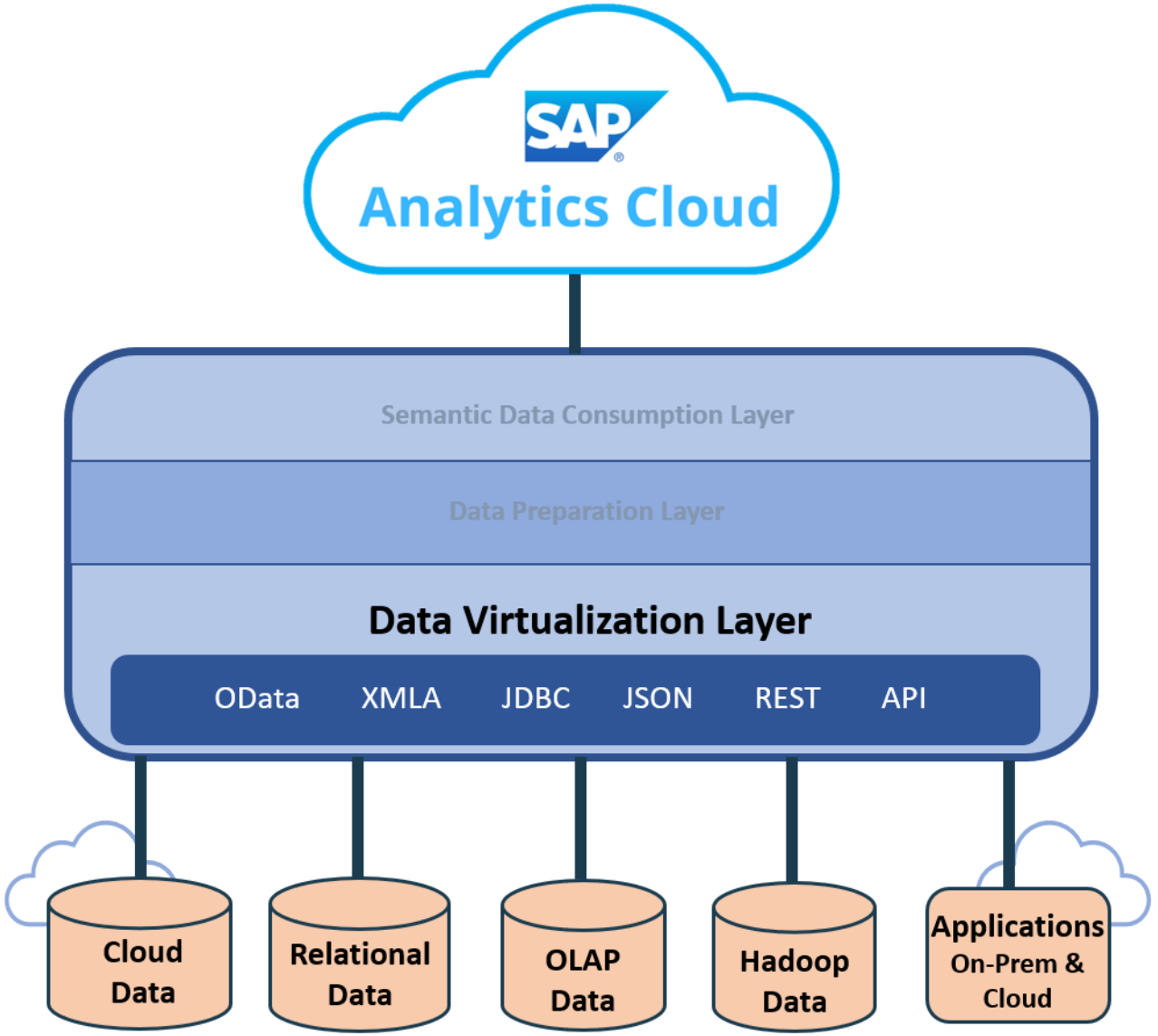
Extended Data Sources



Extended Data Sources



Data Virtualization Layer



Customer Success

Top-ranked global reinsurance organization utilizes Live Data Gateway to access MS SQL Server data bases and MS Analysis Services data cubes. Deployed as part of a finance transformation initiative, and complementing their S/4HANA system analytics.

Large equipment manufacturer utilizes Live Data Gateway to enable reporting via live connectivity to Salesforce data and Google Analytics data.

European-based mining corporation utilizes Live Data Gateway for live connectivity to their AWS Redshift data assets.

International soft drink manufacturer utilizes Live Data Gateway to leverage data from their Snowflake deployment, alongside their SAP BW instance.

Live Data Gateway

Data Preparation Layer

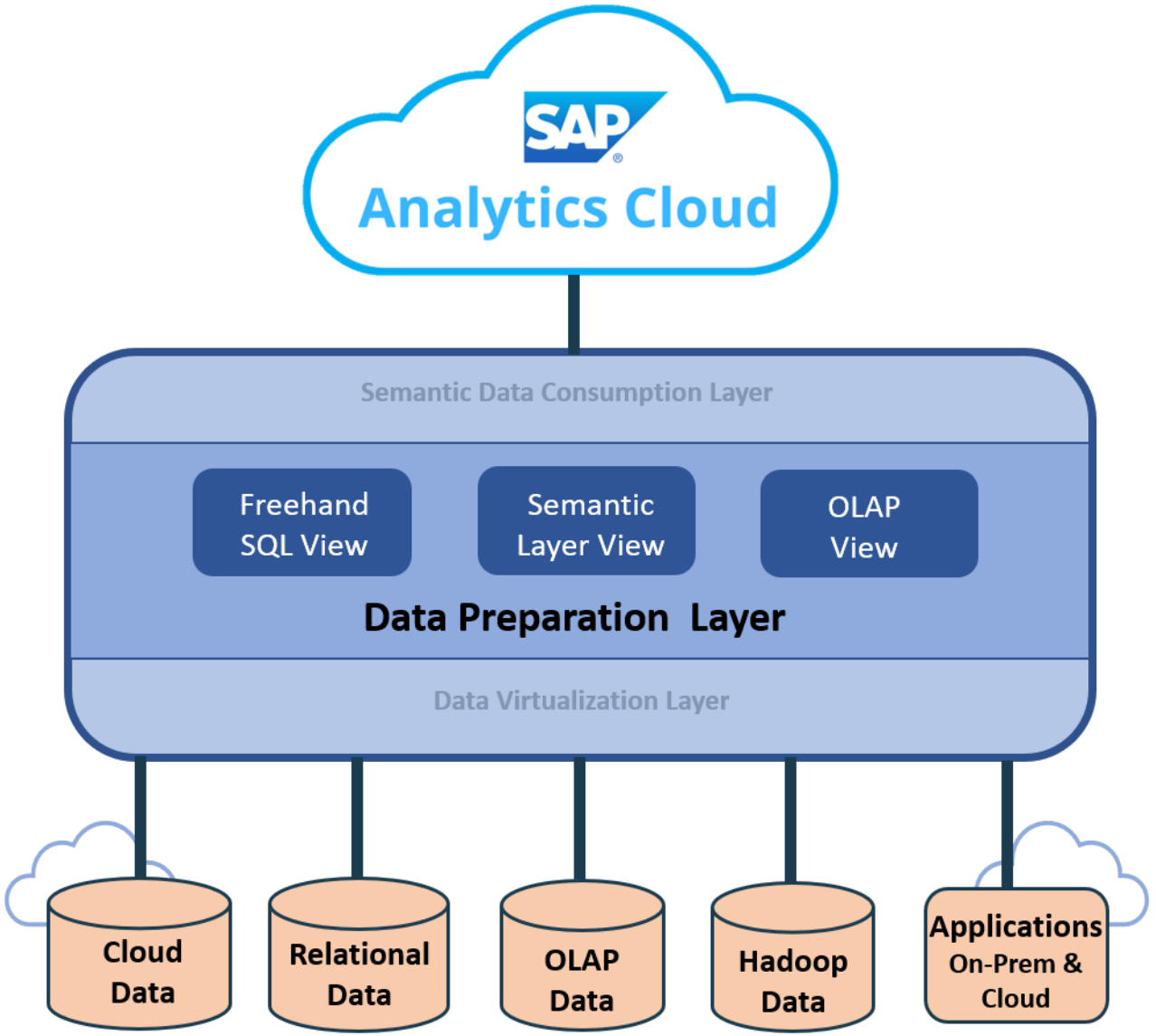
- Business layer / semantic layer
- Simplify data access for report builders
  - Self-service
- Control and govern access to data

Data Preparation Layer

Data Preparation Layer

Key Functions

- Define Measures and Dimensions
- Define what data fields are exposed
- Manage table links and joins
- Set meaningful field names



Customer Success – Self-Service Analytics

International pharmaceutical company:

- Leverage the semantic layer in Live Data Gateway so that a smaller, centralized team can created the semantic layer views, and expose those views out to broad range of analytics users.
- Analytics users are shielded from all complexities of data – connections, linking, field names, etc. Very simple connection to the needed data.
- Centralized control and governance over accessible data.

Customer Success – Self-Service Modelling

Leading global corporation in the food production and agricultural commodities industry:

- They had deployed Live Data Gateway, but want a way for users to handle the creation of semantic layer views themselves rather than having to handle multiple requests themselves.

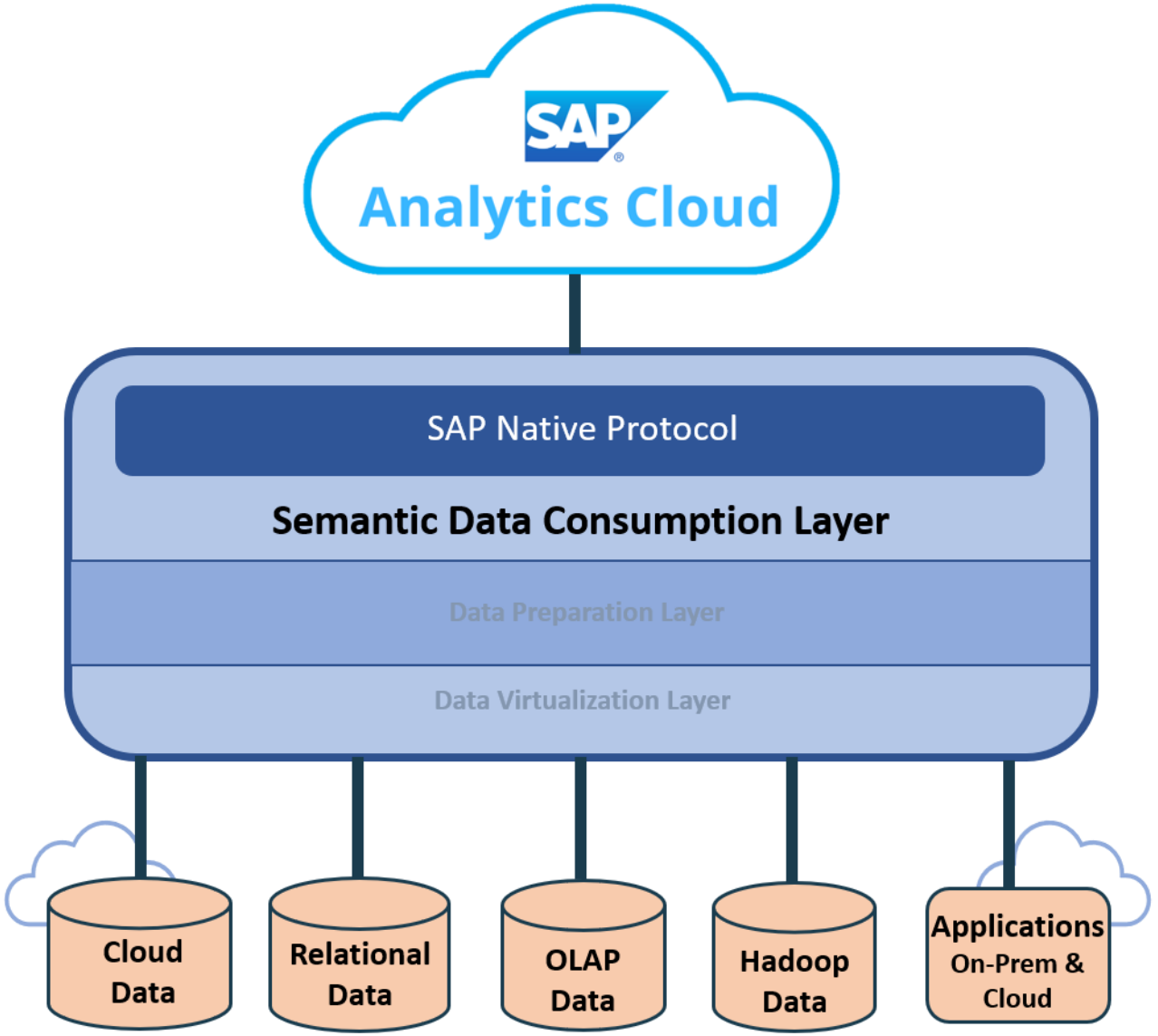
- APOS web-based semantic layer design interface allows broader range of users to create and maintain business relevant APOS Views.

Live Data Gateway

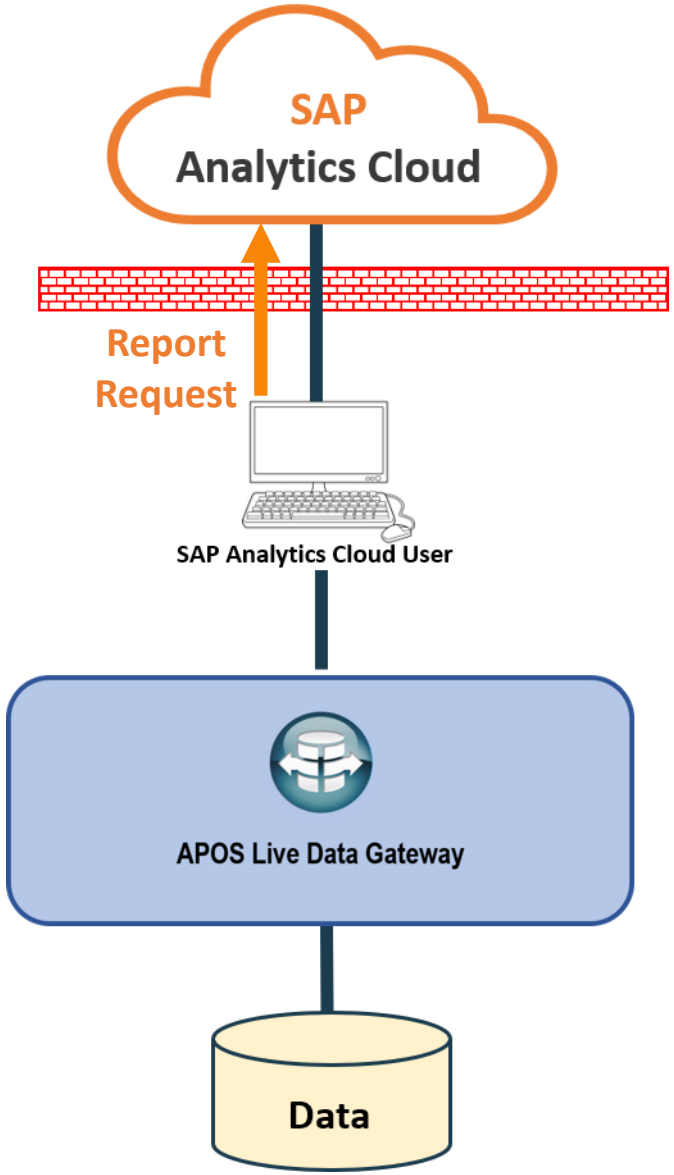
Data Consumption Layer

- Serve data to analytics consumer
  - Make needed translations for SAC consumption
  - Unified consumption layer for other consumers
- Secure communications

Data Consumption Layer



Data Consumption Flow



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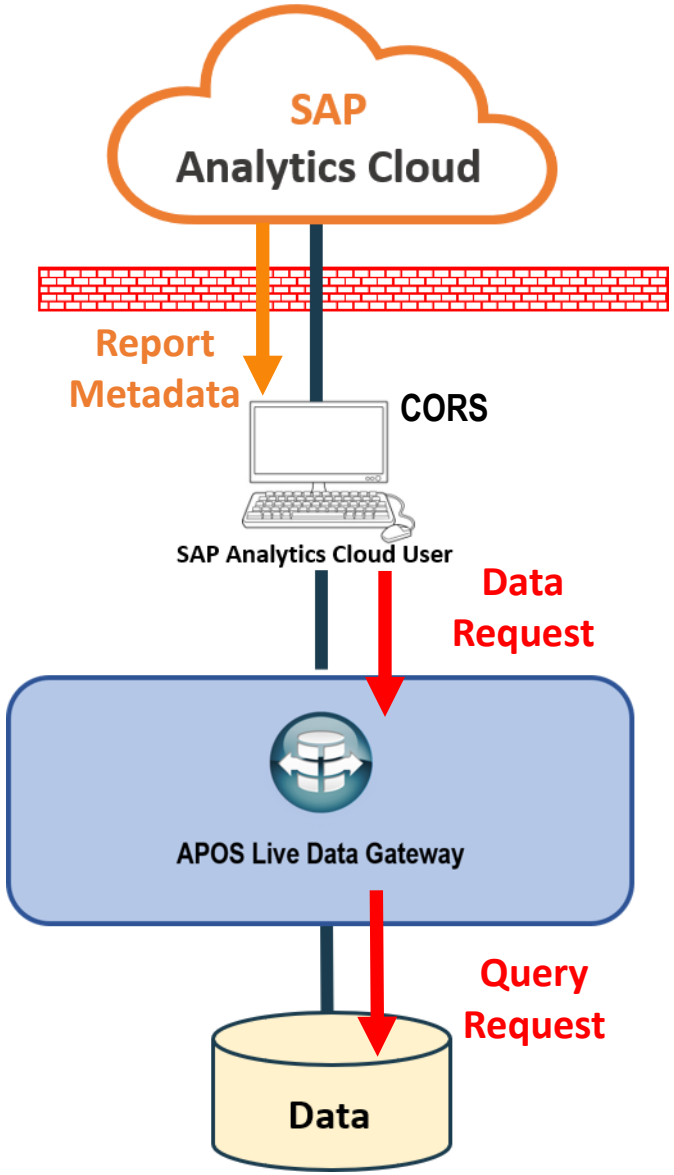

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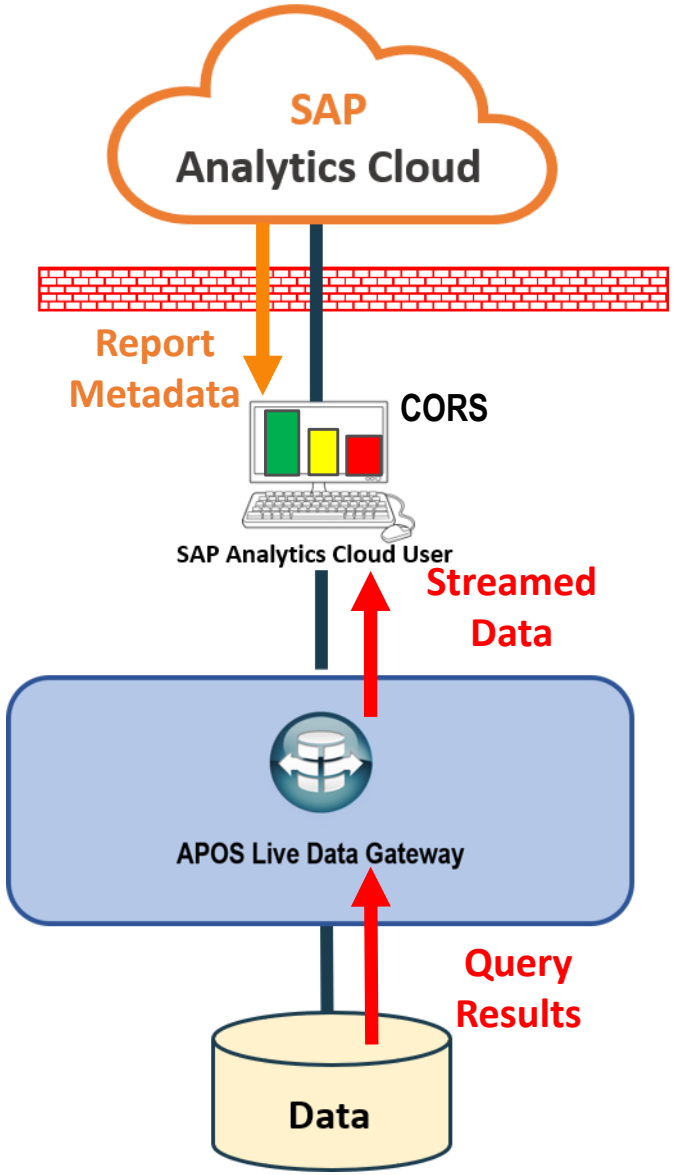
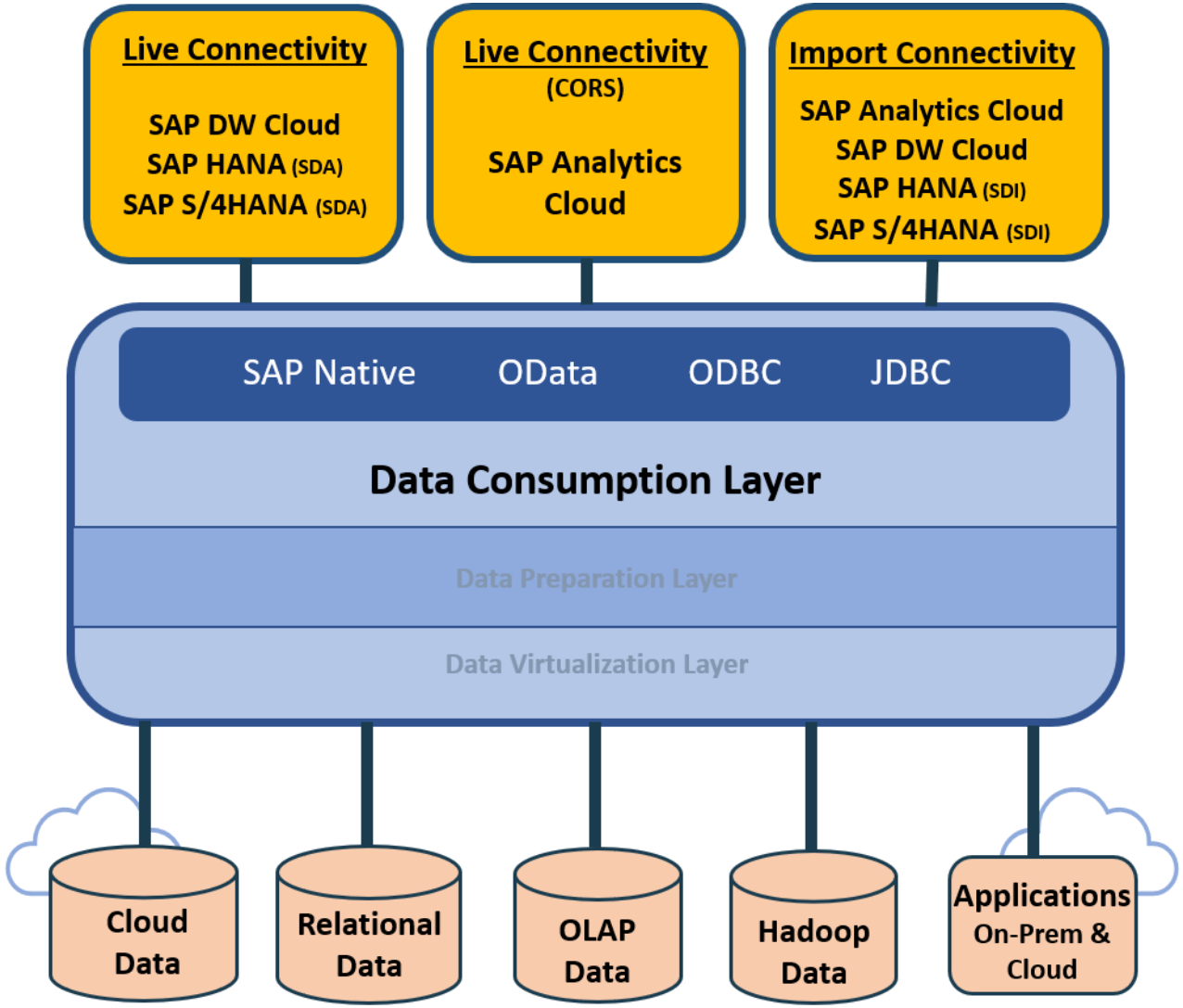
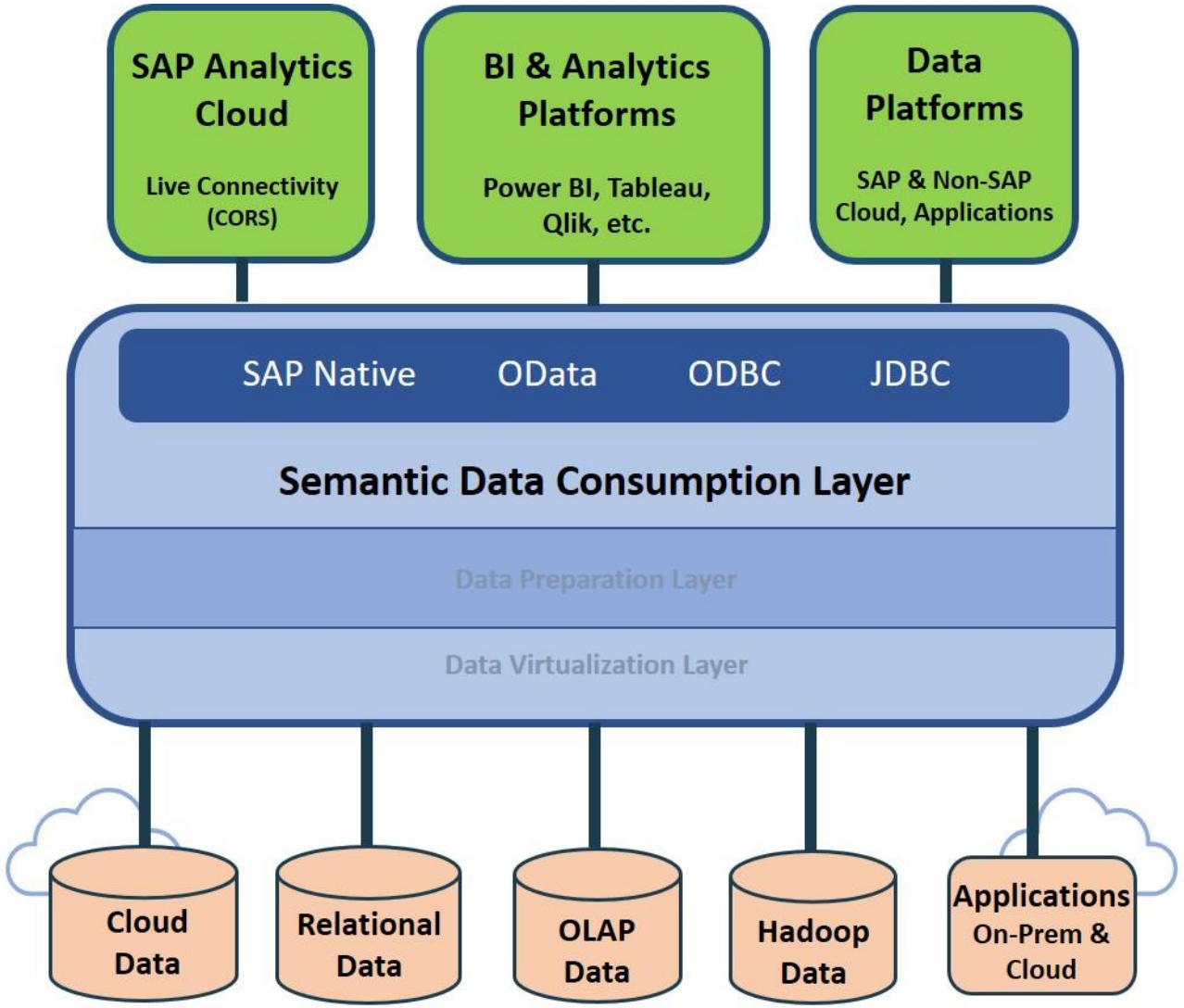


APOS Live Data Gateway – SAP Landscape Edition

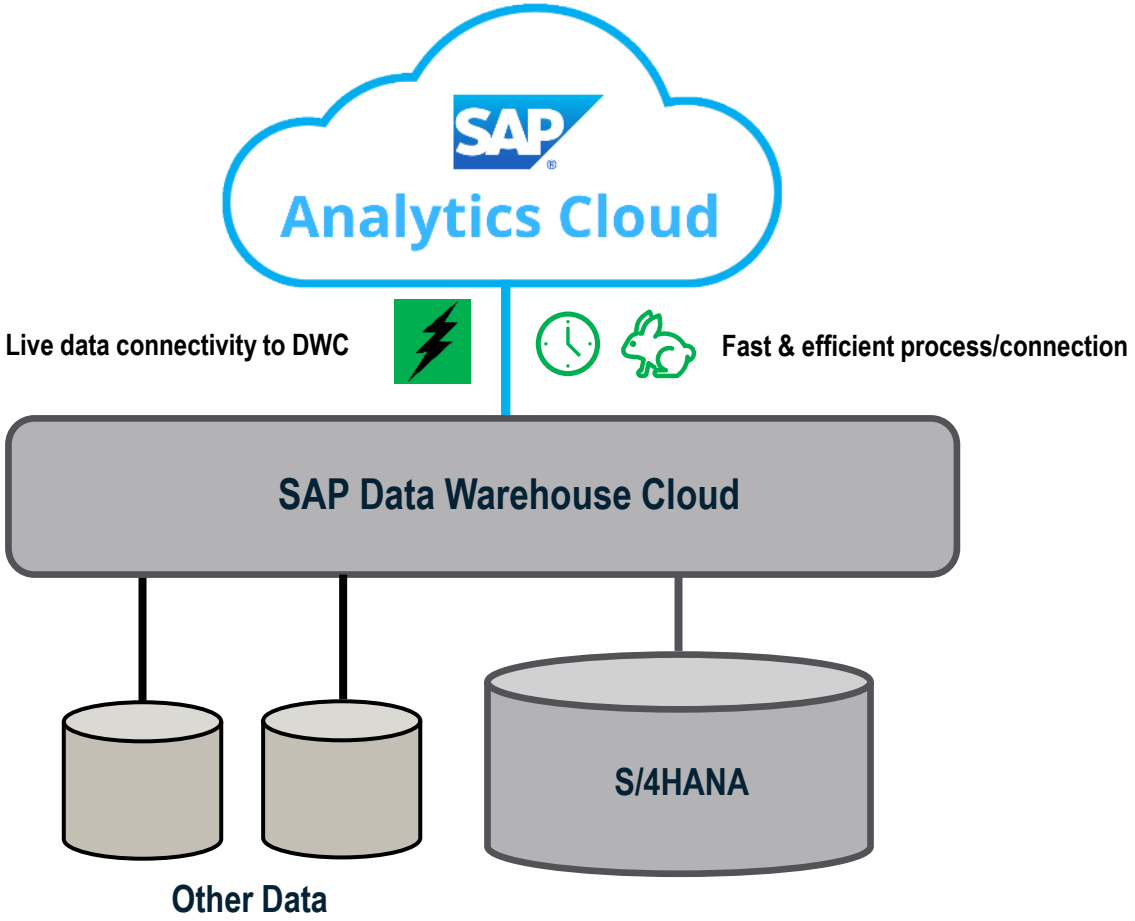


APOS Live Data Gateway – Unified Semantic Layer Edition

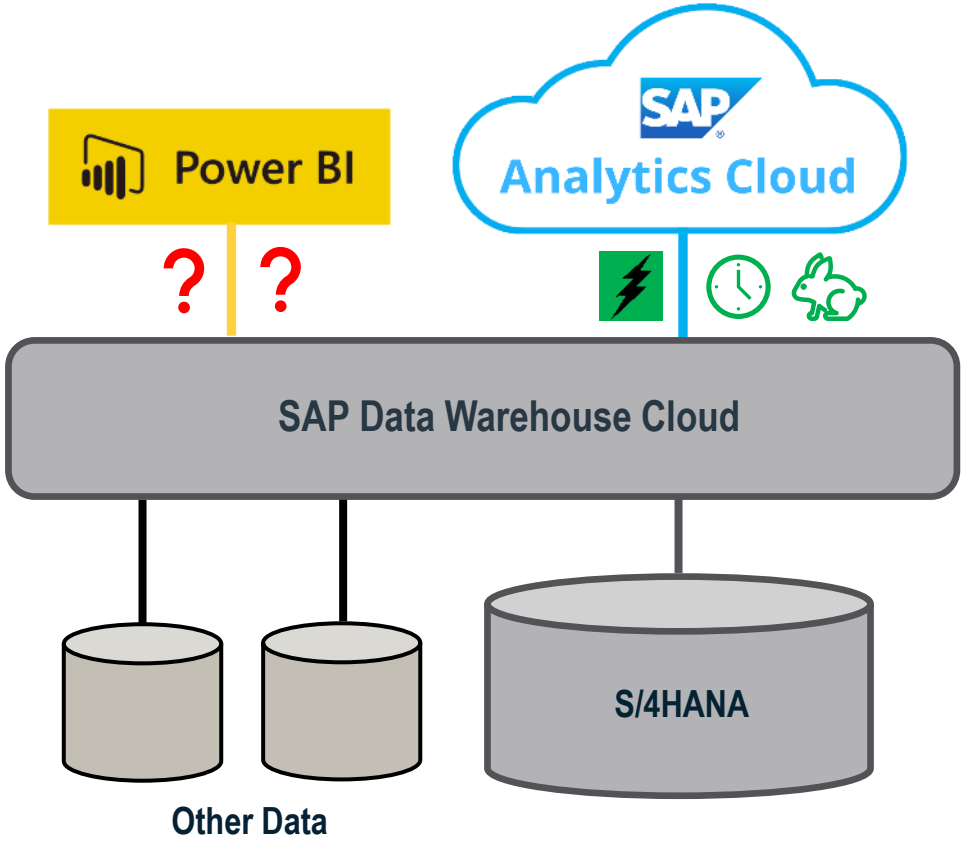


Expanded Analytics Connectivity

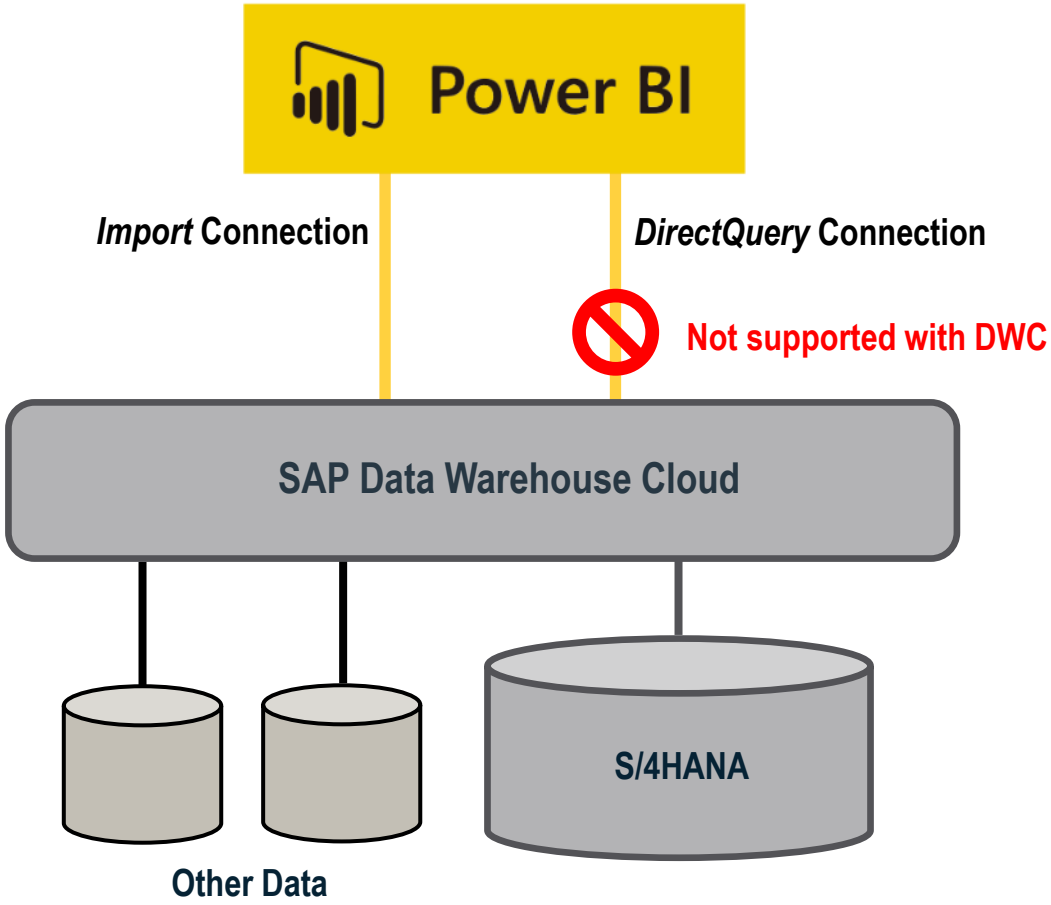
Built-in Live Connectivity from SAC to DWC



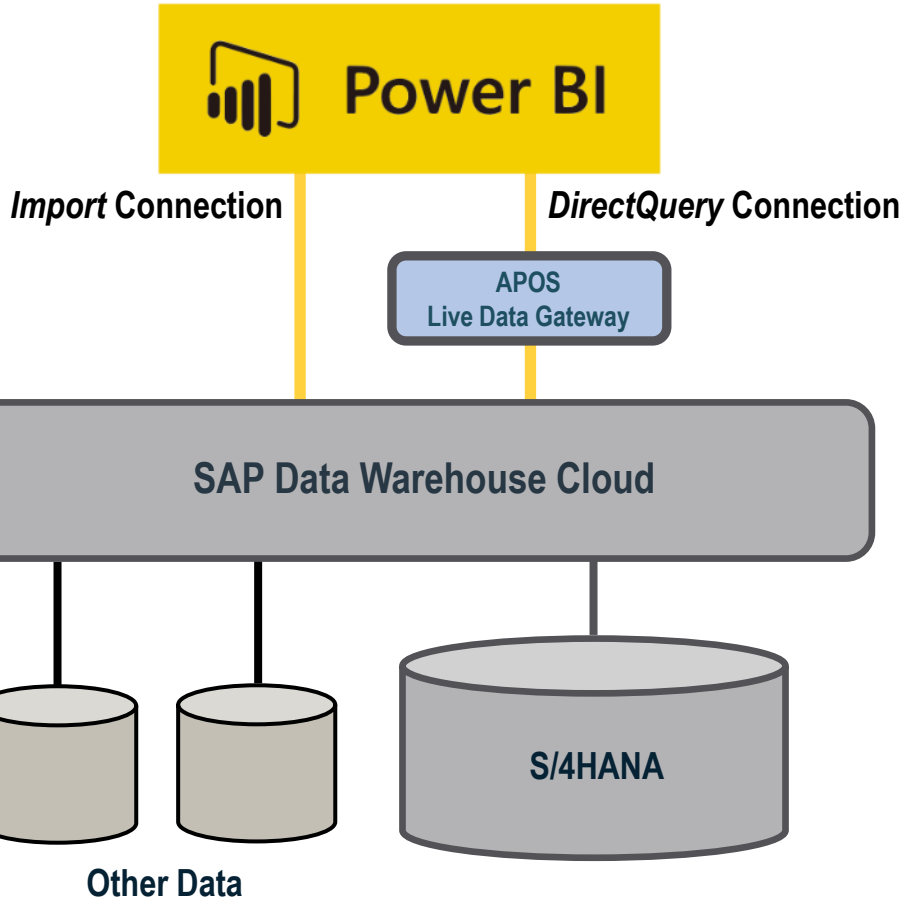
Power BI Connectivity to DWC



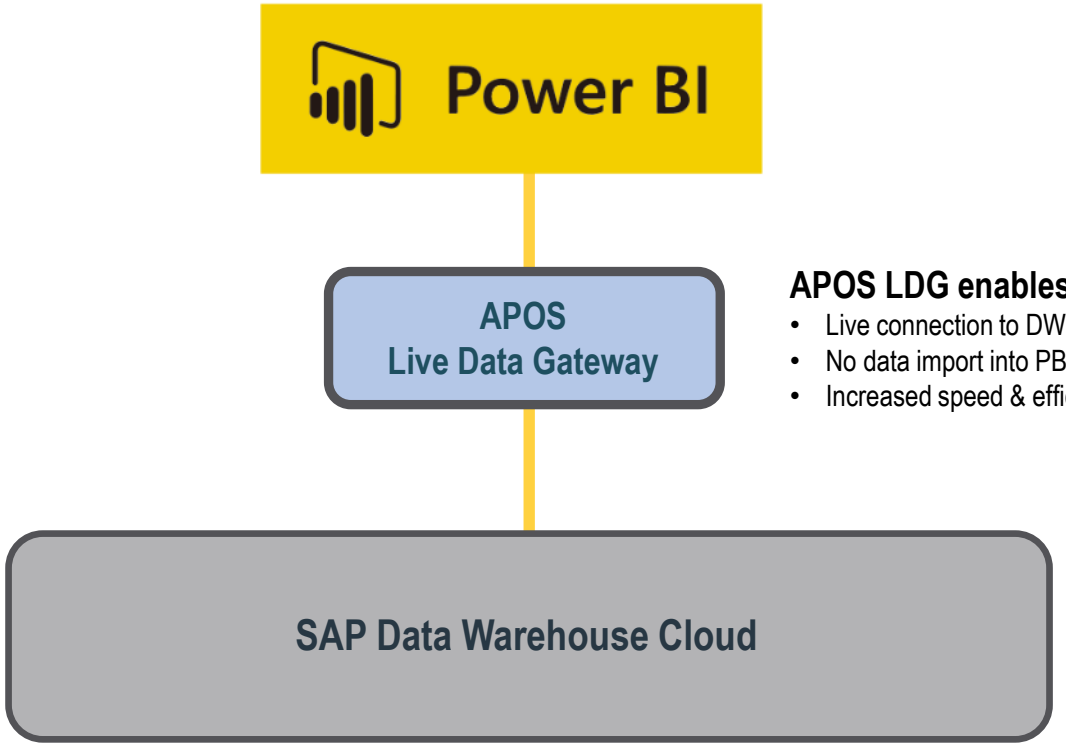
Power BI DirectQuery to DWC



DirectQuery to DWC with Live Data Gateway



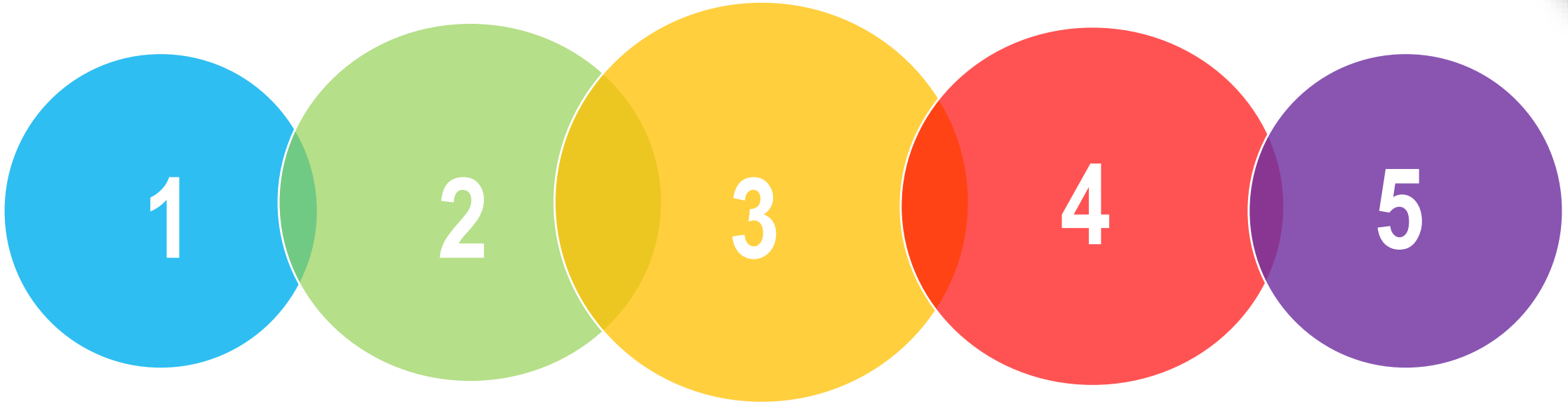
DirectQuery to DWC with Live Data Gateway



APOS LDG enables *DirectQuery* Connection

- Live connection to DWC with direct, targeted queries
- No data import into PBI = no data latency or analytics latency
- Increased speed & efficiency of data process

5 Simple Steps to Live Connectivity



1. Create connection to Data Source
2. Create view in Data Preparation Layer
3. Create connection
4. Create Model / Data Set
5. Create Report

Notable Features of Live Data Gateway

Multiple SSO options supported

Self Service BI Modelling

Scalable

High Availability support

GeoSpatial Support

APOS Solutions for SAP Analytics Cloud

APOS Live Data Gateway

- High-performance live data connectivity
- Virtualized, governed, self-service connectivity
- Connect to Relational databases
- Connect to OLAP data sources
- Connect to Cloud data environments
- Connect to SAP Application data

APOS Publisher for Cloud

- Automate secure information delivery
- Deliver timely information
- Create a flexible messaging environment
- Simplify administration
- Use multiple formats & destinations
- Burst stories with multiple filters
- Burst conditionally
- Collate stories
- Personalize PowerPoint bursting

APOS Insight for Cloud

Monitor – tracking & alerting for:

- SAC story performance
- System response measures

Validation automated comparisons across SAC versions of:

- SAC story data
- SAC story performance
- SAC story structure

Impact analysis – granular auditing of SAC story structure metadata

APOS Semantic Layer Migration

- Capture SAP BI Universe data connection and data modelling logic
- Project-based, wizard-driven interface
- Scan your SAP BI content for relevant data connections
- Harmonize SAP BI and HANA data modelling throughout Hybrid BI
- Translate SAP BusinessObjects modelling to SAP HANA Calculation Views
- Translate SAP BusinessObjects modelling to a unified semantic layer

APOS Solutions for SAP BusinessObjects

APOS Insight

BI System Auditing

- System Inventory
- Security Analysis
- System Usage Analysis
- Report Impact Analysis

BI Report Testing

- Automated Report Testing
- Regression Testing
- Validation of Report Data
- Report Performance Testing

BI System Monitoring

- Advanced System Monitoring
- Operating Environment Monitoring
- Database Monitoring
- Process Monitoring

BI Query Surveillance

- Real-time BI Query Monitoring
- Query Performance Alerting & Auditing
- Query Intervention; Remote Cancelling
- Sensitive Data Audit

APOS Administrator

Object Management

- Bulk Security Management
- Bulk Settings Management
- System Objects Promotion
- Connections Maintenance

Schedule Management

- High-volume schedule management
- Multiple schedule properties editing
- Grid scheduling interface
- Repeatable scheduling templates

Instance Management

- Manage entire instance inventory
- Granular instance search
- Stop, pause, release, reschedule
- Rapid recovery to failed schedules

Web Intelligence Migration

- Bulk conversion of Universes from UNV to UNX
- High-Volume Repoint Web Intelligence reports
- Success validation
- Controlled, project-based workflow

APOS Storage Center

- System Backup
- Content Archiving
- Content Versioning
- Selective Restoration
- Automated System Clean Up

APOS Publisher

- Systematic Content Delivery
- Advanced Document Bursting
- Enhanced Content Distribution
- Security and Encryption
- Statement Generation

Upcoming Events

SAP BusinessObjects Report Query Management & Governance – Webinar

March 10, 2022 - 11am EST

Register at www.apos.com

In this session, you will learn how APOS Insight can help you:

- Gain visibility into the performance of your BI queries
- Manage and automate controls over long-running queries
- Audit the details of your BI queries, and understand who is executing the queries
- Track the usage of sensitive data
- Fulfill all the points above without reliance on your DBA team

APOS Insight is a comprehensive solution that gives you the knowledge you need for effective and efficient SAP BI system management, including detailed system metadata for thorough system auditing, system monitoring, query surveillance, and BI report testing. It provides the means to maintain the integrity, efficiency and security of your SAP BusinessObjects environment and infrastructure.…and much more.

STAY CONNECTED

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APOS Systems Inc.

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JOIN THE SAP ANALYTICS CLOUD GROUP TODAY!

Join easily by searching "SAP Analytics Cloud (SAC)" & Request to Join on LinkedIn!

QUESTIONS?

Please enter your questions in the Q&A panel.

APOS

Thank You!

Get in Touch

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SAP Partner