

Real Time Data Replication and Change Capture – You Have Options!

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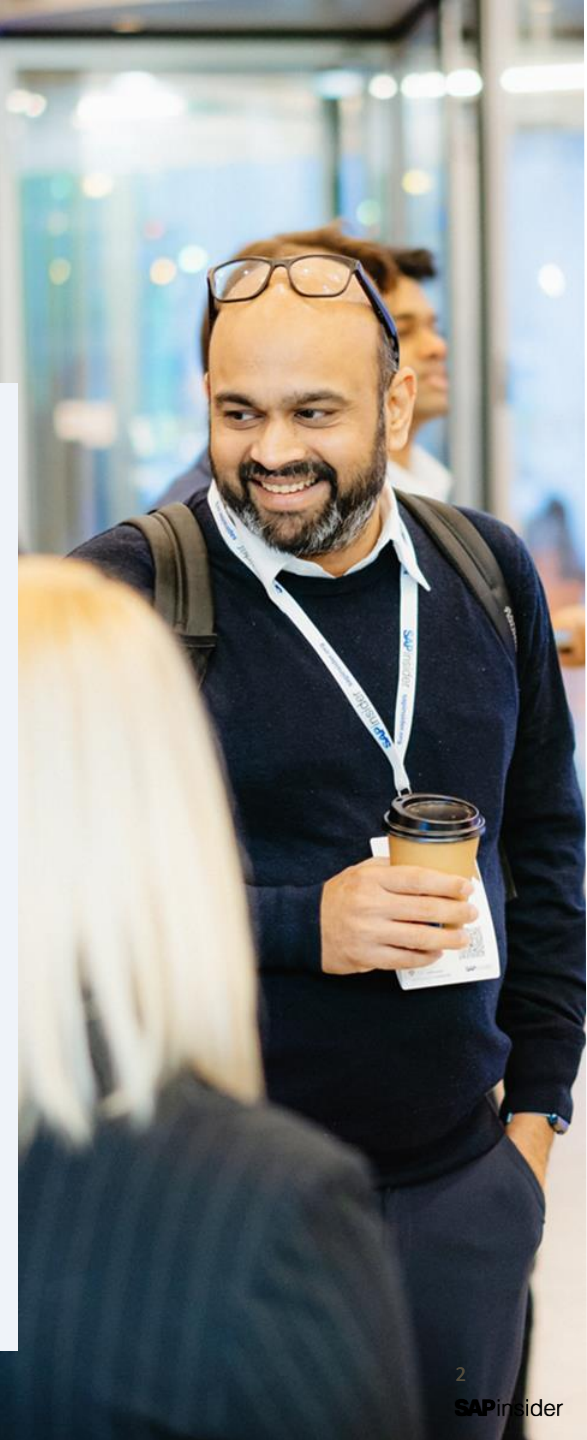
Las Vegas

2024

SAPinsider

What We'll Cover

- Data Replication to the Cloud
- Leveraging SAP ODP
- “Table CDC” for any SAP ERP System
- Wrap-Up





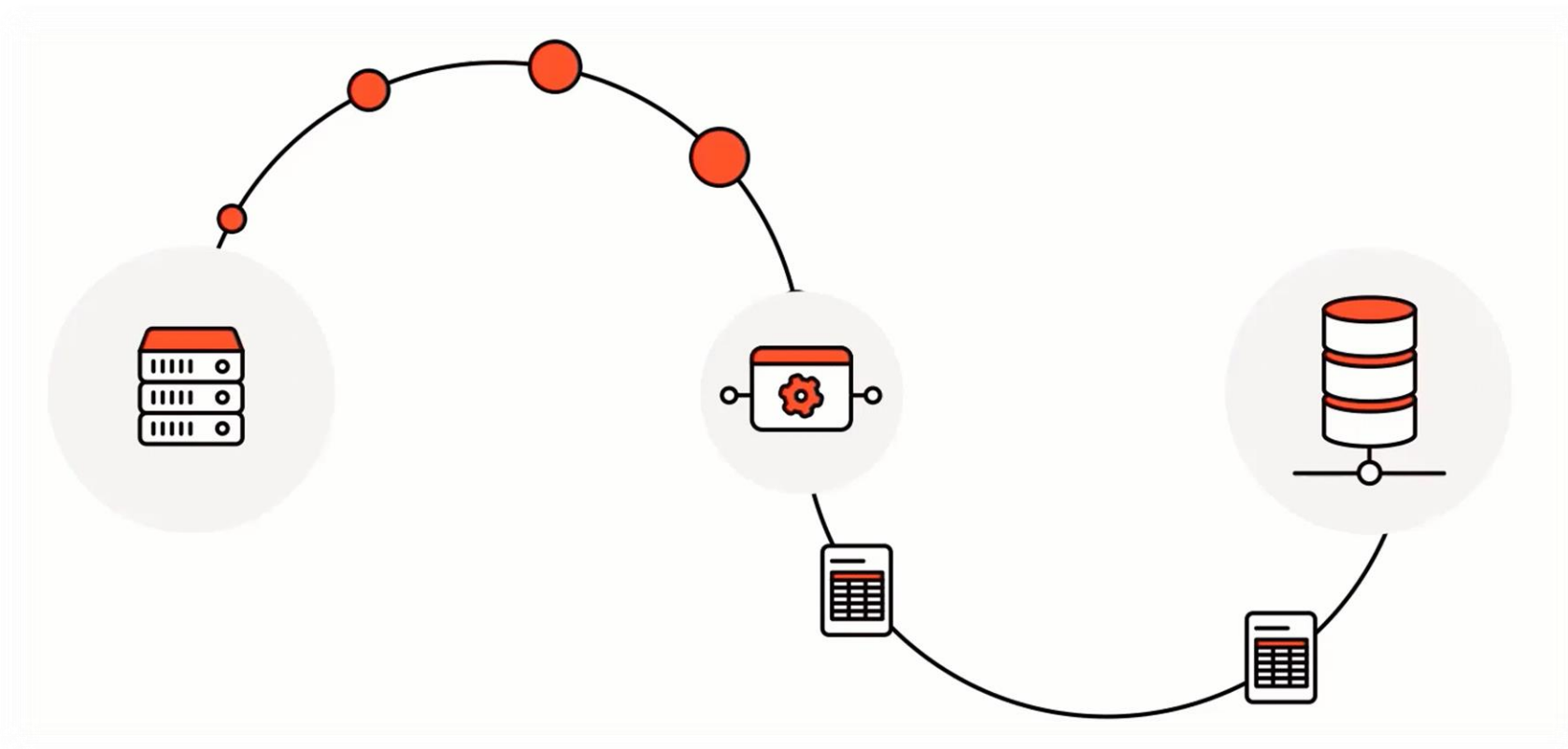
Data Replication to the Cloud

Replicating SAP Data to Third Party Environments

- Leaders in cloud data platforms (e.g. Snowflake, AWS, Azure, Databricks), have compelling and mature solutions
- Most organizations have not yet made the move to Datasphere

Replicating in (near) real time

- Movement of large amounts of data
- Replicating in near-real time



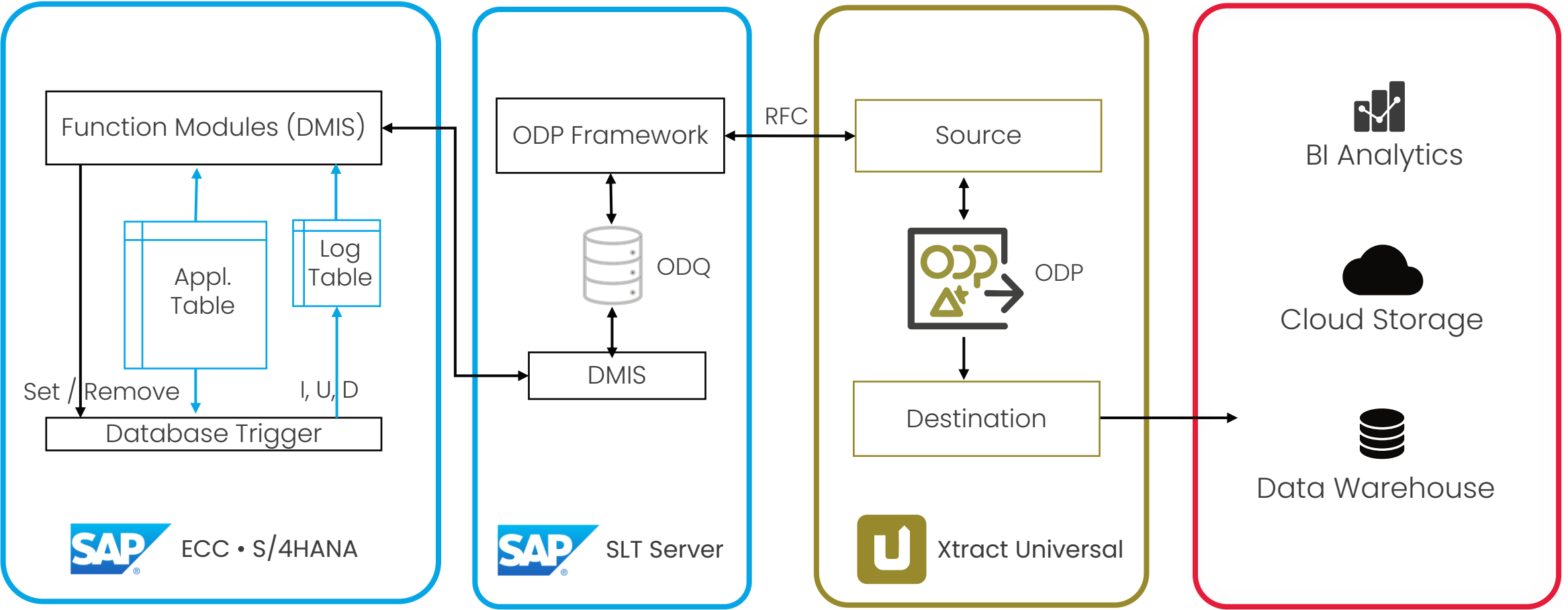


Leveraging SAP ODP


Utilizing ODP


- Operational Data Provisioning (ODP)
 - SAP Framework for data replication
 - SAP Landscape Transformation (SLT)
 - Trigger based table replication
- Ability to replicate to outside systems

Utilizing ODP



No-Code Environment

 ODP



Extract via SAP Operational Data Provisioning

[General settings](#) [Show active subscriptions](#) [Edit runtime parameters](#) [Advanced settings](#)

Operational Data Provider

KNA1

Additional info

Context: SLT~EC5

Type: None

Update mode

☒ Full update

☐ Delta update

On delta initialization

☒ Extract data

☐ Auto-sync subscription

☐ Delta recovery

Fields

<input type="checkbox"/>	Selections	Name <input type="text" value="Type to filter"/>	Description <input type="text" value="Type to filter"/>
<input type="checkbox"/>		TS_SEQUENCE_NUMBER	[GENERATED] Sequence number of row in current extraction
<input checked="" type="checkbox"/>	[0] Edit	MANDT	Client
<input checked="" type="checkbox"/>	[0] Edit	KUNNR	Customer
<input checked="" type="checkbox"/>	[0] Edit	LAND1	Country
<input checked="" type="checkbox"/>	[0] Edit	NAME1	Name
<input checked="" type="checkbox"/>	[0] Edit	NAME2	Name 2
<input checked="" type="checkbox"/>	[0] Edit	ORT01	City
<input checked="" type="checkbox"/>	[0] Edit	PSTLZ	Postal Code
<input checked="" type="checkbox"/>	[0] Edit	REGIO	Region
<input checked="" type="checkbox"/>	[0] Edit	SORTL	Search term
<input checked="" type="checkbox"/>	[0] Edit	STRAS	Street

Utilizing ODP

- Primarily for HANA systems
- Requires set up of SLT Replication server
- Other sources available
 - DataSources/BW Extractors
 - ABAP CDS Views
 - HANA Views
 - BW objects

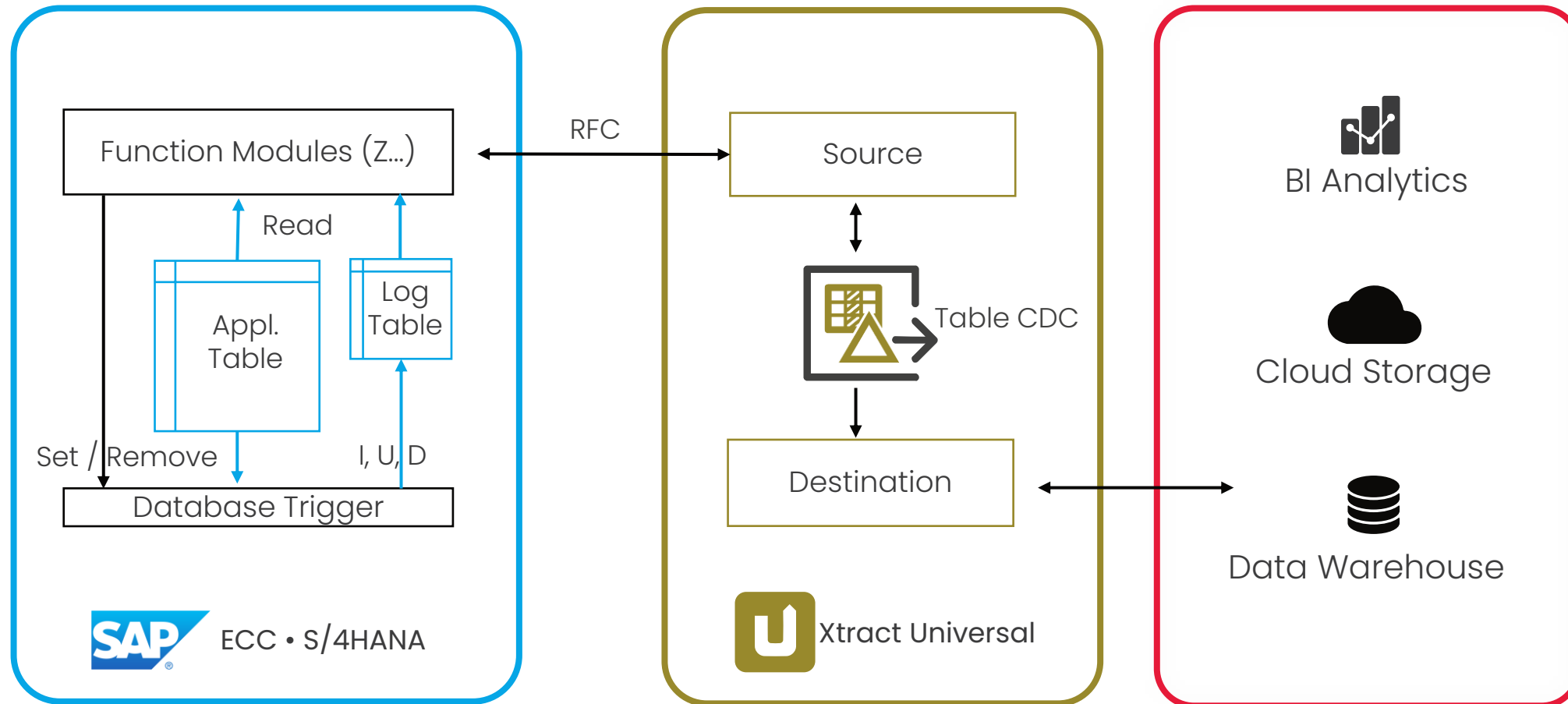


“Table CDC” for any SAP ERP System

Table CDC

- Trigger based table replication
 - Insert, Update, Delete
- Extract data from application layer
 - Over RFC protocol
- No-Code

Table CDC Explained



No-Code Environment

U

Table CDC

Extract delta records from tables - (preview)

[General Settings](#)

Table

CDC info

State: **Not initialized**

Log table: /1LT/TS_L3JZ5R25

Delete CDC resources

CDC options

☒ Limit log table size

Max rows

☒ Extract table on first run

Fields

<input type="checkbox"/>	Name <input type="text" value="Type to filter"/>	Description <input type="text" value="Type to filter"/>
<input checked="" type="checkbox"/>	MANDT	Client
<input checked="" type="checkbox"/>	KUNNR	Customer Number
<input checked="" type="checkbox"/>	LAND1	Country Key
<input checked="" type="checkbox"/>	NAME1	Name 1
<input type="checkbox"/>	NAME2	Name 2
<input checked="" type="checkbox"/>	ORT01	City
<input checked="" type="checkbox"/>	PSTLZ	Postal Code
<input type="checkbox"/>	REGIO	Region (State, Province, County)
<input type="checkbox"/>	SORTL	Sort field
<input type="checkbox"/>	STRAS	House number and street
<input type="checkbox"/>	TELF1	First telephone number
<input type="checkbox"/>	TELEF	Fax Number

Preview

MANDT	KUNNR	LAND1	NAME1	ORT01	PSTLZ	IUUC_OPERAT_FLAG
800	0000000001	US	123A	PHILADELPHIA	19115	I
800	0000000002	DE	Wett 200	Walldorf	69190	I
800	0000000003	DE	B2B Demo Customer 3 test	Stuttgart		I
800	0000000006	DE	Peakboard GmbH	STUTTGART	70182	I
800	0000000011	DE	Acme GmbH	Stuttgart	70000	I

Load preview

Refresh metadata

OK

Cancel

Wrap Up

- Table based replication options
- Trigger based, but extract over RFC layer
- SAP Certified solution

Key Points to Take Home

ODP

- > Primarily for S/4HANA
- > Requires SAP SLT Server
- > Plug and play

Table CDC

- > Any SAP ERP
- > No SLT Server Required
- > Installation of Function Modules

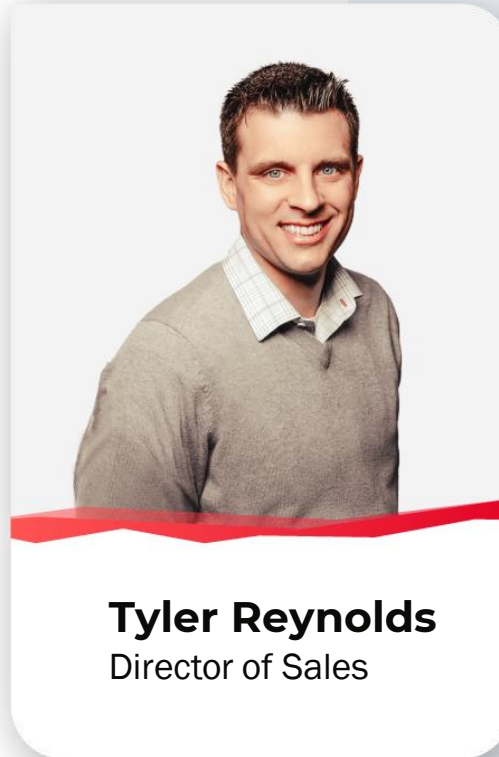
Both

- > SAP Certified solution
- > Pull data over RFC Protocol
- > No-Code
- > Near-Real Time
- > Variety of target destinations

Thank you! Any Questions?



Meet us at **Booth #955!**



Tyler Reynolds
Director of Sales

Please remember to complete
your session evaluation.

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