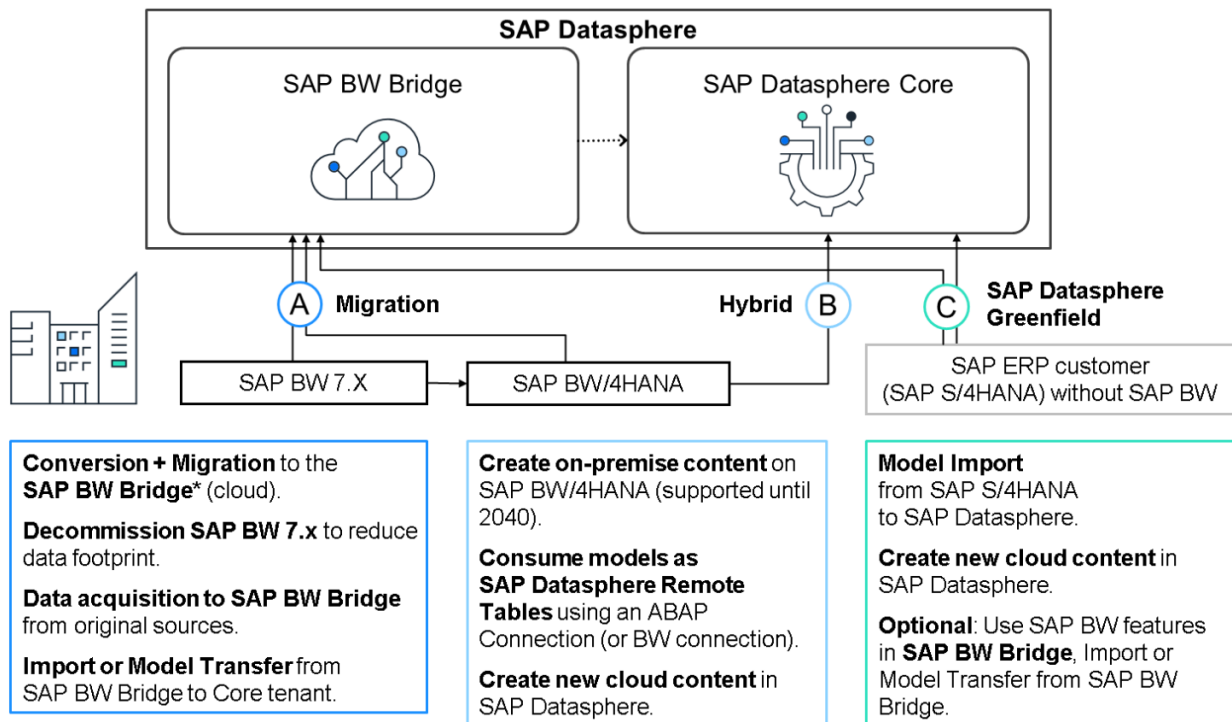


BW Bridge for Datasphere



1. Migrate current BW system to BW bridge and start working on Datasphere migration Journey.
2. Hybrid approach - BW/4 HANA model transfer with Datasphere core.
3. Direct Integration with Datasphere - without BW. S/4 HANA CDS views --> Datasphere core.
if ECC then datasources need BW bridge for data replication.

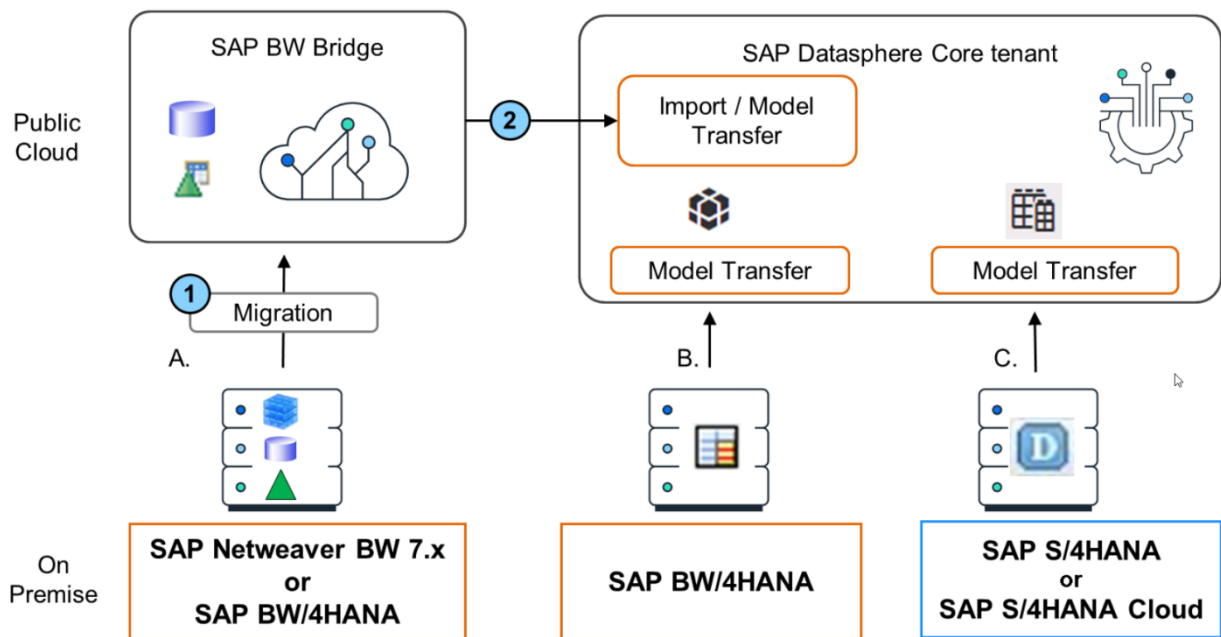
Limitations of BW bridge:

SAP BW Query	(Non-ODP) Data sources	OpenHub destinations	Analysis Process Designer (APD)	Planning and Consolidation	Mixed modeling
OLAP Features	FILE, HANA, Big Data sources	Mass data export	Analysis process modeling	SAP BPC and BCS (SEM-BCS)	XSA Hybrid models

Integration options:

Option B and C are Model Transfer: BW/4 HANA and S/4 HANA in Datasphere.

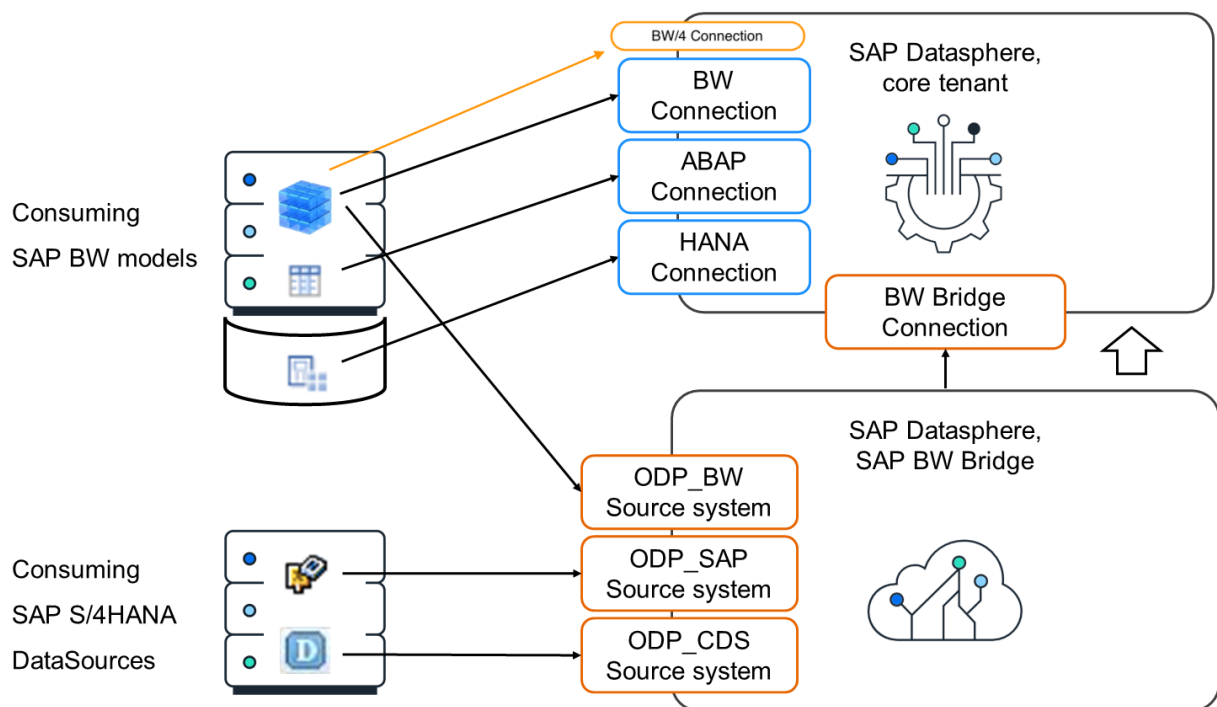
Option A - BW bridge option is executed in 2 steps. Convert the objects to BW bridge and then model Transfer in BW bridge space of Datasphere.



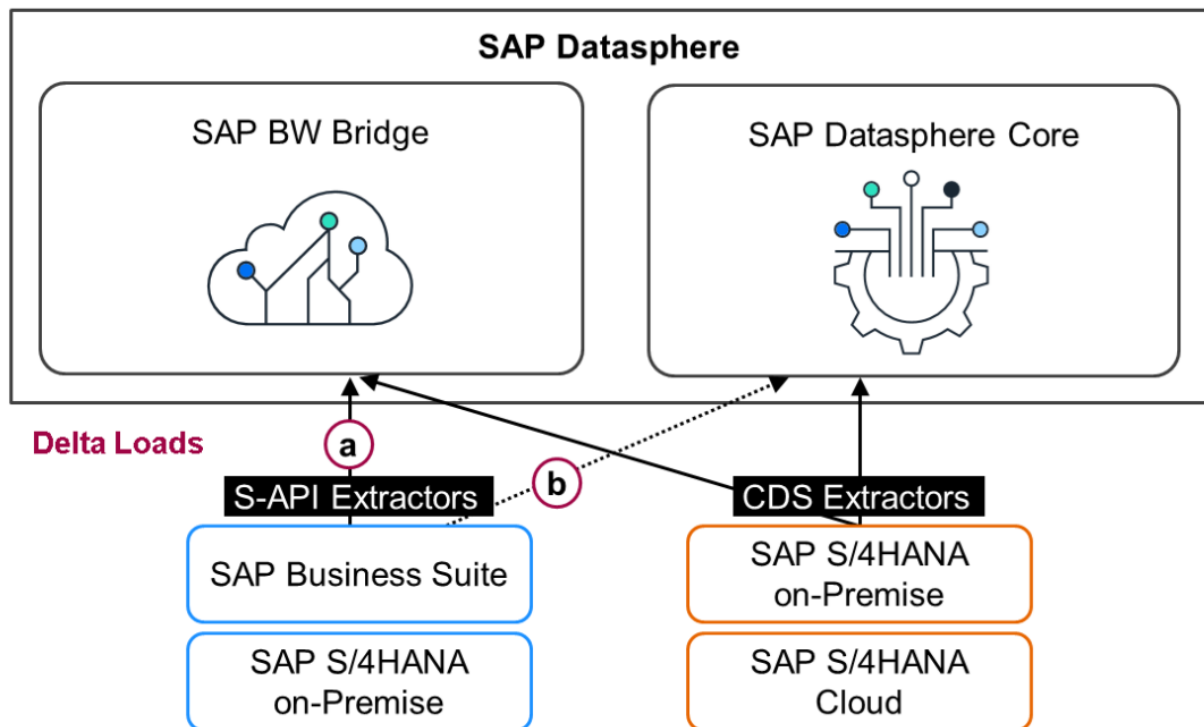
BW connections in Datasphere:

There are 3 types of BW connections possible for Datasphere.

1. BW connection - Extract remote tables using ODP.
2. BW/4 HANA model transfer connection - Import all the BW objects based on Analytics Query.
3. BW bridge - Model transfer from BW bridge. BW queries with semantics.



ECC → BW Bridge → Datasphere



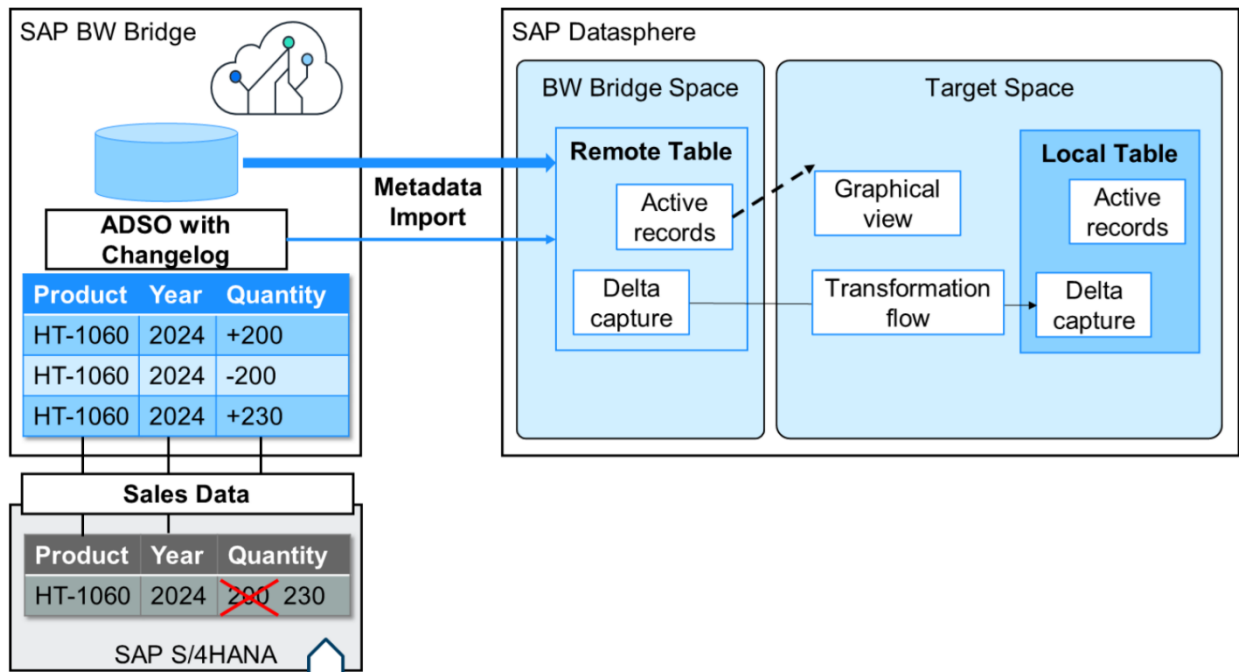
a. S-API Extractors for **delta** loads should not be connected to SAP Datasphere core if ...

- **No primary keys are defined, or**
- **They use «additive delta»**

b. Some S-API Extractors for **delta** loads could be connected to SAP Datasphere core if ...

- **Primary keys are defined, and**
- **They use «after images delta»**

Delta: Transformation flow to load delta into Local tables



Appendix: help links

BW bridge solution topics in the SAP community:

<https://pages.community.sap.com/topics/datasphere/bw-bridge>

SAP learning - highly useful for scenarios

https://learning.sap.com/learning-journeys/modeling-in-sap-datasphere-sap-bw-bridge/positioning-sap-datasphere-sap-bw-bridge_b8f659a3-c6a0-4a6b-a49b-686b066509e6

<https://learning.sap.com/learning-journeys/modernizing-your-data-warehouse-landscape-from-sap-bw-to-sap-datasphere/getting-started-with-sap-datasphere>

Datasphere DW Webinar series:

<https://community.sap.com/t5/technology-blogs-by-sap/watch-the-sap-bw-modernization-webinar-series/ba-p/13699559>

SAP help documentation:

https://help.sap.com/docs/SAP_DATASPHERE/be5967d099974c69b77f4549425ca4c0/1caba954bc604e00bf8e82e383a46368.html

Unsupported features of BW Bridge or BW/4 model transfer:

<https://me.sap.com/notes/2932647>

