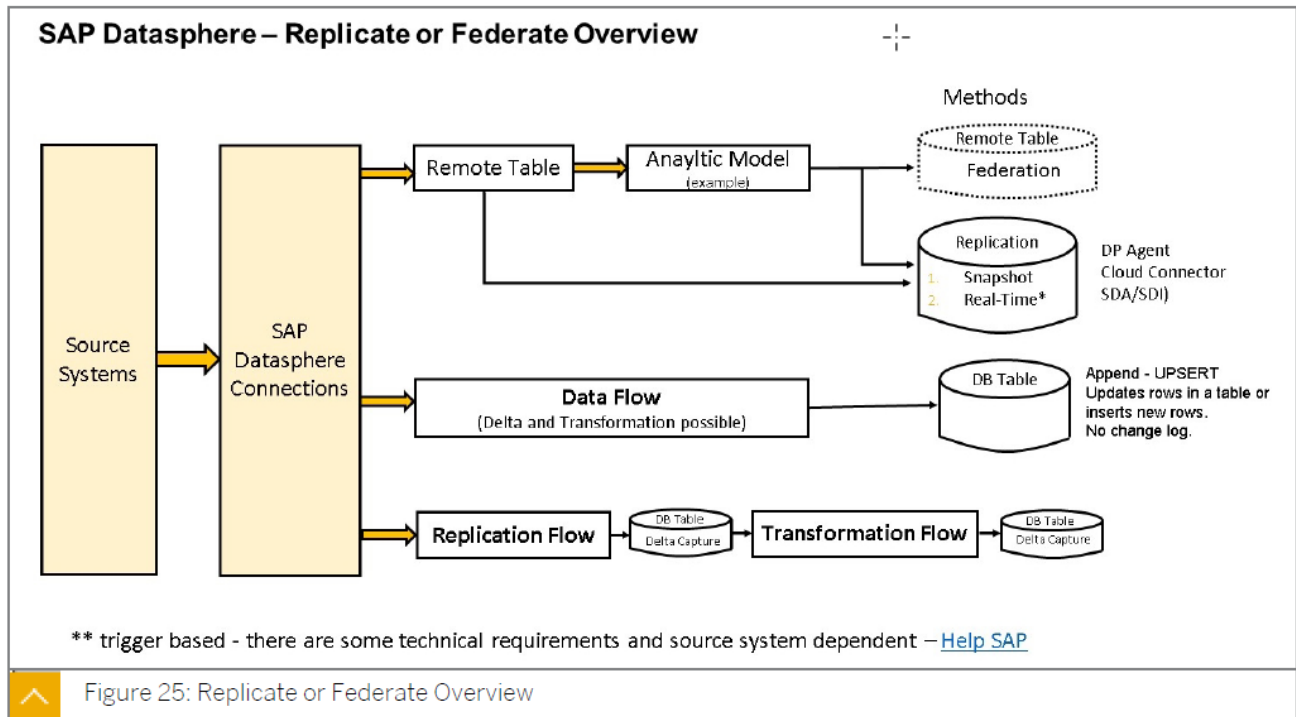


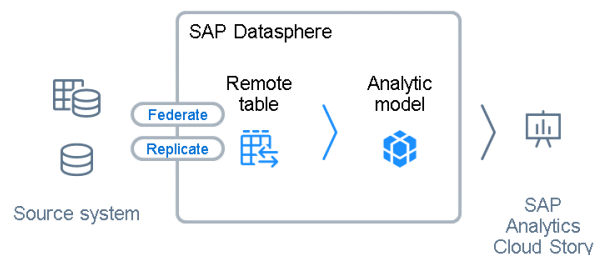
Datasphere ETL:



Remote Tables:

Remote table federation and replication

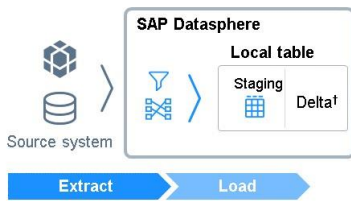
- A remote table points to data in an external system without copying the data
- Handling remote tables is similar to local tables, however the data is transferred through the network each time a query is executed
- Remote data access can be restricted using central filters and selected columns only*
- Transparently switch from remote access to snapshots or real-time replication for change-data-capture (CDC) enabled tables without the need to change the data models
- Schedule snapshot loading for single remote tables, orchestrated via task chains (optional)
- Ability to start & stop, pause & resume, and cancel real-time replication
- Optional partitions to split larger data transfers and execute these single transactions in parallel



* Filtering depends on source connection and column data types. See more information in the [online documentation](#).

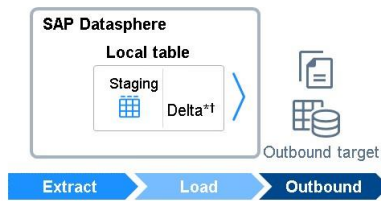
Replication flows:

1 Inbound data movement



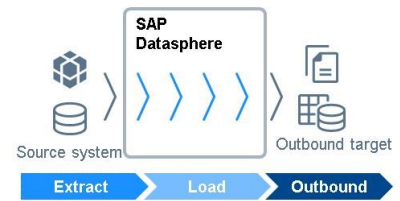
Replicate data from SAP or non-SAP sources into SAP Datasphere and capture data changes occurring near-real-time from the source to update the target table

2 Outbound data movement






Read data from SAP Datasphere and replicate it into supported SAP and non-SAP outbound targets while tracking data changes*

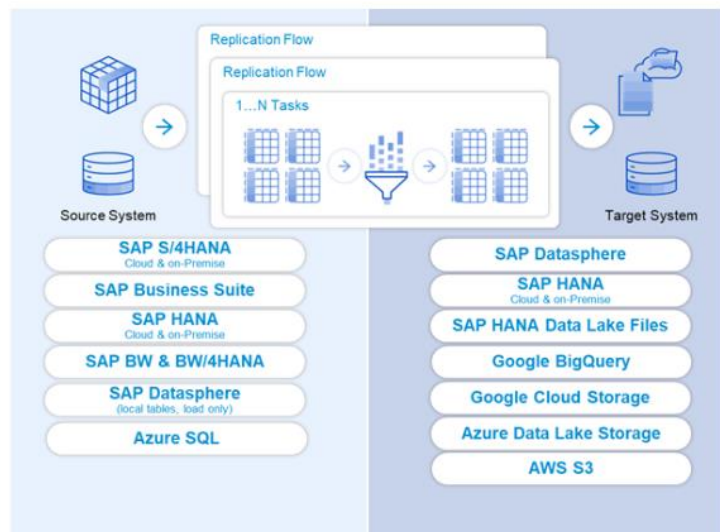
3 Pass-through option



Use SAP Datasphere as a middleware and replicate data from supported sources into supported targets while tracking data changes* occurring near-real-time in that source

* Planned † Restrictions to delta capture apply; more information in the [online documentation](#).

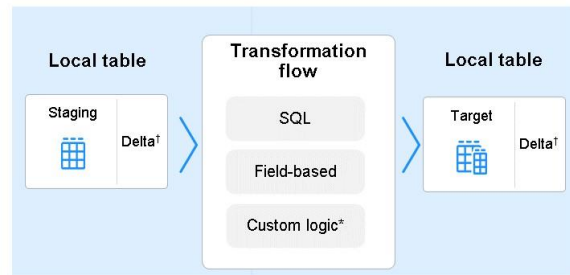
- **Mass Data Replication**
Possibility to replicate **parallelized** data from supported **source systems** into supported **target systems**
- **Integrated Monitoring**
Overview of monitoring features within **integrated** monitoring application
- **Capture changes**
Support for **initial** data replications together with **delta** replications



Transformation flows:

Perform SQL-based transformations on delta and non-delta data

- **Delta staging[†]** in SAP Datasphere to enable SQL transformations, delta writing for multilevel staging, and storage of holistic truth after transformation
- **Support for initial and delta[†]** loading from delta tables
- **Schedulable** through task chains and integrated in data integration monitor
- Integrated in the **data builder** functionality
- Run mode setting for **performance and memory optimized consumption**
- **Support** various **SQL-based transformations** (for example, joins, aggregations, functions, calculated columns ...)



* Planned † Restrictions to delta capture apply; more information in the [online documentation](#).

Task chains:

