

BINDING AND THE CLEAN ROOM — OWNED EVENTS vs LATENT iPaaS, AND WHAT AI MAY LEARN

bind by reference, carry consent with every record, and let agents learn from aggregates, never rows

Red dashed = a security gap.

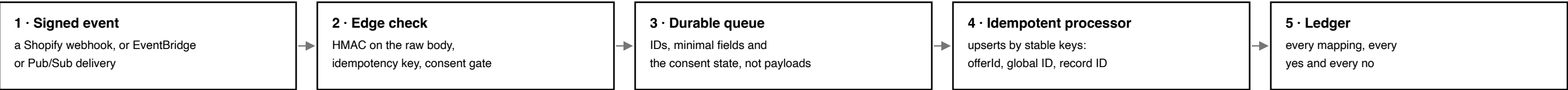
CLEAN ROOM FOR AI-FIRST AUTOMATION, DEFINED

A controlled place where data from more than one party is joined and analyzed, while no party, model or agent sees another party's individual records. Agents learn from the combined data without ever receiving a row.

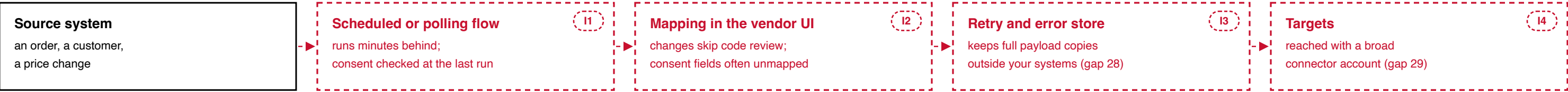
- Only consented records enter
- Only reviewed templates run
- Only aggregates above a threshold leave
- Every query is logged

TWO WAYS TO BIND SYSTEMS

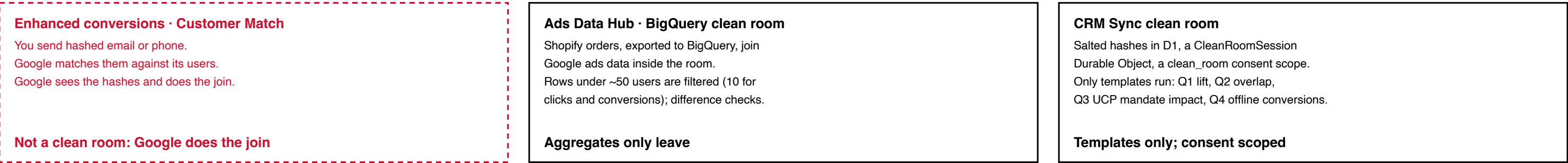
A · Owned event binding — recommended for personal data, consent and agent actions



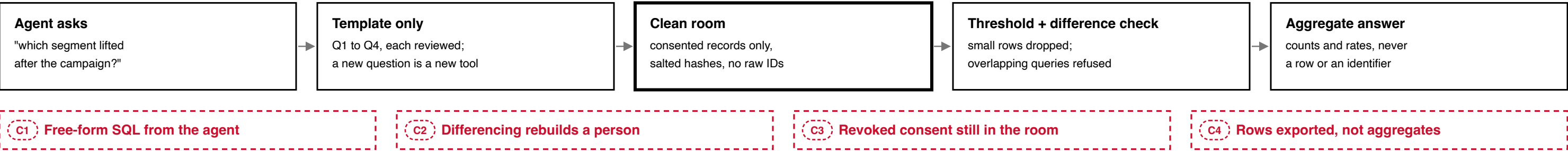
B · Latent iPaaS flow, as MuleSoft and Celigo are often deployed — fine for ERP back office and batch reconciliation



THREE WAYS SHOPIFY AND GOOGLE DATA MEET



WHAT AN AGENT MAY LEARN



EIGHT GAPS — AND THE FIX FOR EACH

- I1 Minutes behind**
Fix: Event-driven for personal data; check consent at send time, not at the last run

I2 Mapping outside review
Fix: Export mappings to Git; review a mapping change like a code change

I3 Payload copies in retry stores
Fix: Mask sensitive fields in the flow; short retention on error records

I4 Broad connector accounts
Fix: One narrow credential per interface; rotate on a schedule
- C1 Free-form SQL from the agent**
Fix: Templates only; a new question is a new, reviewed template (A2)

C2 Differencing rebuilds a person
Fix: Difference checks, query budgets or added noise

C3 Revoked consent still in the room
Fix: Remove a record on revocation, before the next query runs

C4 Rows exported, not aggregates
Fix: Only aggregates above the threshold leave; no row-level export

Bind by reference. Carry consent with every record. Let agents learn from aggregates, never rows.