ON EBX™

DATASHEET · ACCELERATOR

EBX® MDM Factory

Run an MDM project from source connection to delivery in a few days of human review instead of several weeks. The machine proposes, a person decides.

1.47 M rows

From source to golden record in 68 minutes of processing

Landing, staging, master and matching, run from scratch.

0 false merges

Across 180,746 merged groups, with 99.71% recall

Checked against a known ground truth of 576,692 people.

52 → 7 days

Person-days for a project with 3 sources and 2 business objects

Estimate from our cost model; calibrate it against your own figures.

Measured on a 1-million-row test project on EBX 6.3, 4 October 2026: 576,692 persons and 889,165 addresses.

HOW IT WORKS

The machine proposes, a person decides at every step

At each step the Factory generates the EBX objects: data models, datasets, feeds, rules and matching policies. The decision under each step stays with a person.

Sources	Landing	Staging	Master
Files, databases, SaaS	Model and feeds generated	Common model proposed	Load generated
You: choose the sources	You: validate the keys	You: accept the mapping	You: check the load

Matching	Golden records	Distribution	Delivery
Policy proposed	Automatic merge	Kafka flows generated	EBX staging package
You: tune, review suspects	You: turn on merging	You: choose the targets	You: import on the target

Highlighted: matching, the step with the largest gain.

Lineage for every golden record

Cross-references link each golden record to the source records it came from, field by field.

A cockpit for production

Once the project is delivered, a cockpit monitors the loads and the matching runs.

Built inside EBX

Everything the Factory decides or proposes is stored as data in EBX, so it can be replayed and exported.

BEST FIT

Consolidation-style MDM

Source applications keep creating the data; the Factory builds a golden record in EBX that downstream systems read. It is the most common MDM style and the one the Factory builds today.

KEY CAPABILITIES

Everything an MDM project needs, generated and governed

Generated EBX objects

Data models, datasets, feeds, validation rules and matching policies for the landing, staging and master zones.

AI proposals, human decisions

A language model suggests the staging model, quality rules, keys and match plans. Data stewards accept or reject each one.

Matching you can test first

Match plans are configured on the master tables and can be simulated on real pairs before they run. Suspects go to a data steward.

Control over what the model sees

No values, value shapes only (the default), or capped samples. Columns that match your sensitive-data patterns are never sent.

Distribution and delivery

Generated Kafka flows distribute golden records, and the project is packaged for import on another EBX instance.

Open by design

A REST API and workflow models drive every step, and structure lineage is declared to the EBX Data Catalog.

MEASURED RESULTS

One million rows, end to end

MEASURE	RESULT	CONTEXT
Rows taken to golden record	1.47 M	68 minutes of processing, from scratch
Persons matched	576,692	417,841 merged automatically into 180,746 golden records
False merges	0	Against a known ground truth
Recall	99.71%	Uncertain pairs routed to stewards as suspects
Addresses re-pointed	637,795	Linked to their golden record at the next master load

Test project on EBX 6.3, 4 October 2026.

EFFORT

3 sources, 2 business objects

Without the Factory

about 52 person-days

With the Factory

7 person-days

Estimate from our cost model. The assumptions should be calibrated against your own figures.

REQUIREMENTS

- **EBX 6.3** on Tomcat 10 or later
- **EBX Connectors** for landing, distribution and the language-model connection
- **EBX MCP servers:** data model and Match and Merge (scripting optional)
- **EBX Match and Merge** and data modeling add-ons
- **EBX Data Catalog** (optional) for lineage

See the MDM Factory on your data

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