

Metadata tool consolidation

Run data lineage, data catalog, data governance,
and semantics on one shared metadata foundation.

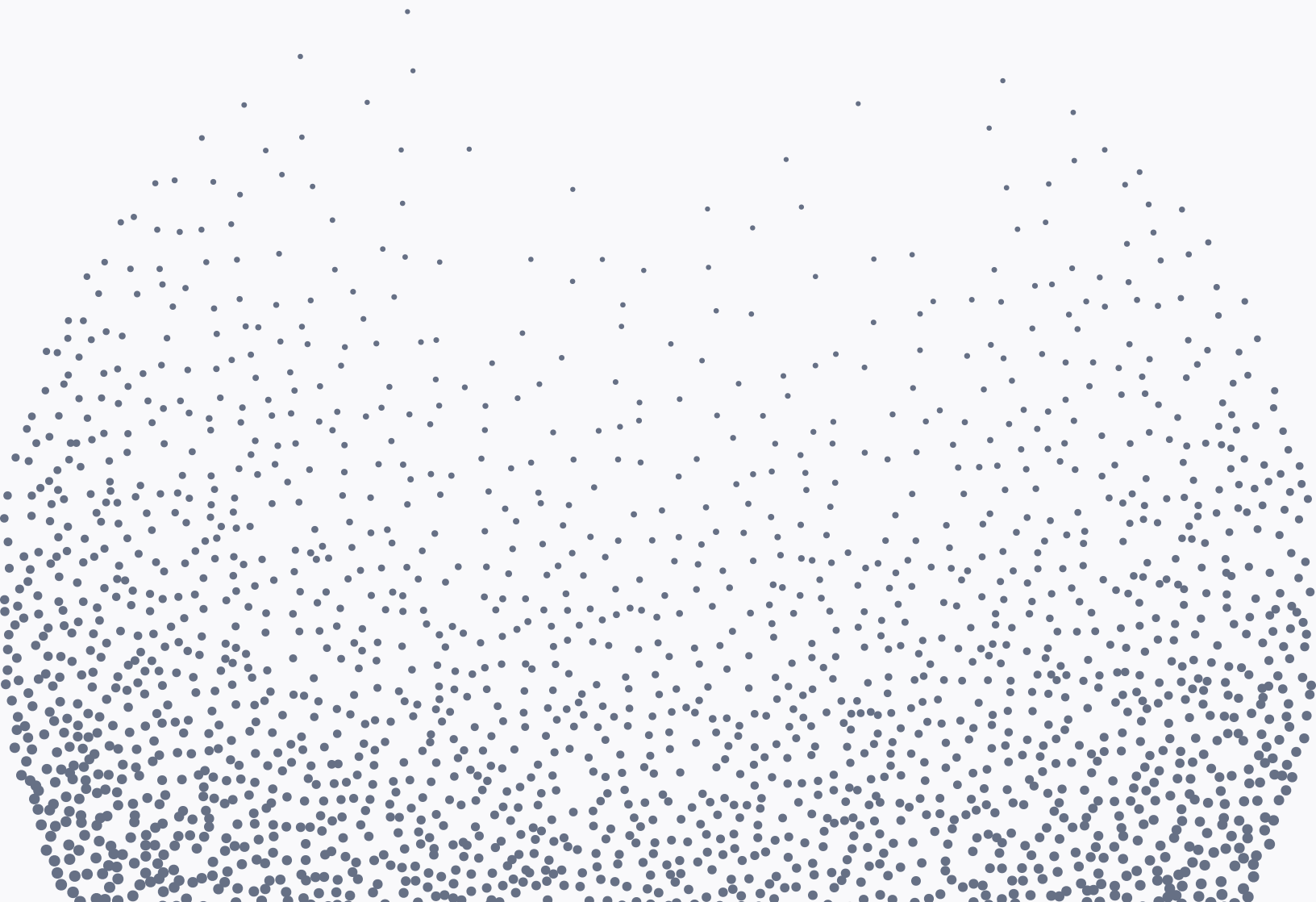


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Most enterprises run four metadata tools that share nothing. One handles lineage, one the catalog, one governance, one semantics, and each is built on its own metadata model.

So someone builds the integration between them: custom connectors, sync jobs, transformation scripts. It works, mostly, until something changes.

A schema update in the lineage tool needs a manual refresh in the catalog. A governance policy change stops at the edge of the semantic definitions. A catalog entry sits invisible to the lineage system until someone runs the sync.

Every dependency between two systems is a maintenance burden that belongs to someone, and that someone is usually on your team. That's the standing cost of an assembled solution: the vendors ship the capabilities, and your team builds and maintains the connective tissue.

The integration becomes the job

The expensive part of an assembled solution is labor. Licensing is the line item finance sees, and the engineering hours behind the pipelines rarely get scoped at all.

Someone built the pipeline between the lineage tool and the catalog. Someone else maintains the sync between governance and semantics. When those systems version up, the pipelines break, and when the estate grows, the pipelines grow with it.

The estate drifts, too. Synchronization runs on a schedule, so the state of any one system trails the others: lineage reflects yesterday's catalog, governance policies reference last week's semantic definitions. The integrated picture is a set of snapshots taken at different times and reconciled by hand.

The drift shows up in the work that depends on it. Impact analysis runs against a stale dependency map, governance enforces against classifications that have since changed, and audit prep starts by reconciling the systems before anyone can answer the auditor's question.

One foundation for all four capabilities

MetaKarta's four capabilities, Data Lineage, Data Catalog, Data Governance, and Semantic Hub, are built on a single shared metadata repository, the Meta Integration Repository. Every capability reads from and writes to the same underlying data model.

That takes synchronization out of the architecture. A governance decision is visible in lineage immediately. A catalog update propagates into semantic definitions, and policy enforcement references live catalog state.

There's no sync interval, no reconciliation job, and no custom connector to rebuild after a version upgrade. The estate stays coherent because every capability writes to the same model.

What changes in each capability



Data Lineage

Maps the estate against live catalog and governance state, parser-based and column-level across 400+ connectors. Impact analysis reflects current policy, current classifications, and current semantic definitions.



Data Catalog

Surfaces governed, semantically enriched entries drawn from live lineage. A lineage relationship changes and the catalog carries it. Governance classifies a dataset and the catalog shows it.



Data Governance

Enforces policy against live metadata. Classifications, access rules, and stewardship workflows all reference the estate as it exists right now.



Semantic Hub

draws governed definitions from the same shared metadata repository. A definition approved through a stewardship workflow is available to compile the moment it clears.

The shared metadata repository is what makes four capabilities behave like one platform.

The proof to ask for

The demo runs the whole loop in a single session:

1. Classify a dataset in Data Governance.
2. Open Data Lineage and find that classification already attached to every downstream consumer.
3. Open the catalog entry and find the same classification there, with lineage attached.
4. Compile a semantic definition that depends on that dataset, and check the governed state it carries.

The sequence contains no sync step, because there's nothing to synchronize.

The metric that moves



Integration hours.

Count the sync jobs, custom connectors, and reconciliation scripts running in production between your metadata tools today, and the engineering hours per month spent keeping them alive. That total is the integration tax, and it's the work that comes off the board when four capabilities read one metadata model.



Drift interval.

How far behind the estate any one system runs between syncs, measured in hours or days. A shared metadata repository has no interval to measure, because every capability writes to the same place.

Where this leaves the estate

The team that spent its time managing integration between tools spends it on the data instead. The pipelines built to hold the estate together get retired, and so do the tickets they generated.

What replaces them is one shared metadata repository that every capability reads and writes. Lineage, catalog, governance, and semantics all describe one estate from one model, so there's a single picture to trust instead of four to reconcile.

The pattern holds as the estate grows. A new source enters once, and all four capabilities see it. Request a demo to see a governance classification land in lineage, in the catalog, and in a compiled semantic definition, with no sync job anywhere between them.

[Request Demo](#)

About Meta Integration Technology

Meta Integration Technology, Inc. (MITI) is a pioneer in metadata integration, semantic modeling, and data lineage with decades of experience serving global enterprises and technology providers. MITI's technology is embedded in products from leading data and analytics vendors and powers MetaKarta, its enterprise platform for metadata-driven data management. MetaKarta delivers data lineage, data cataloging, data governance, and semantic enforcement through a single integrated system, connecting the full enterprise data estate across 400+ native connectors, from legacy to modern and on-premises to the cloud.

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