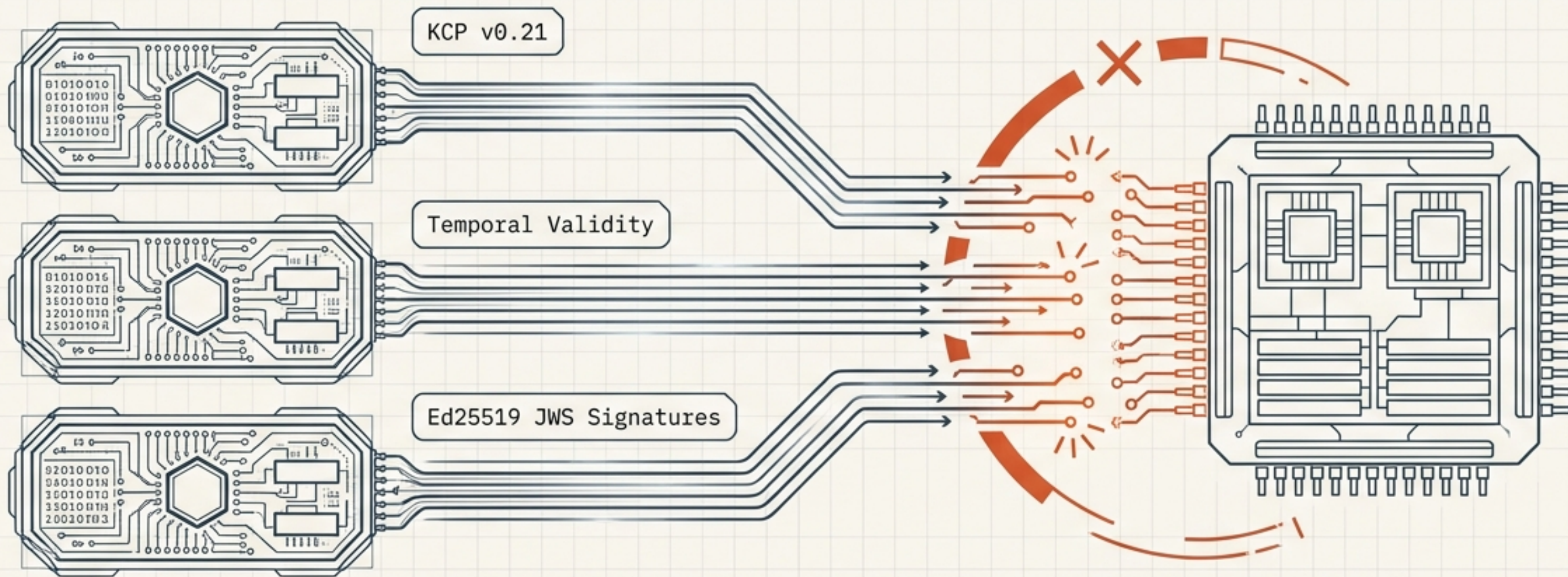
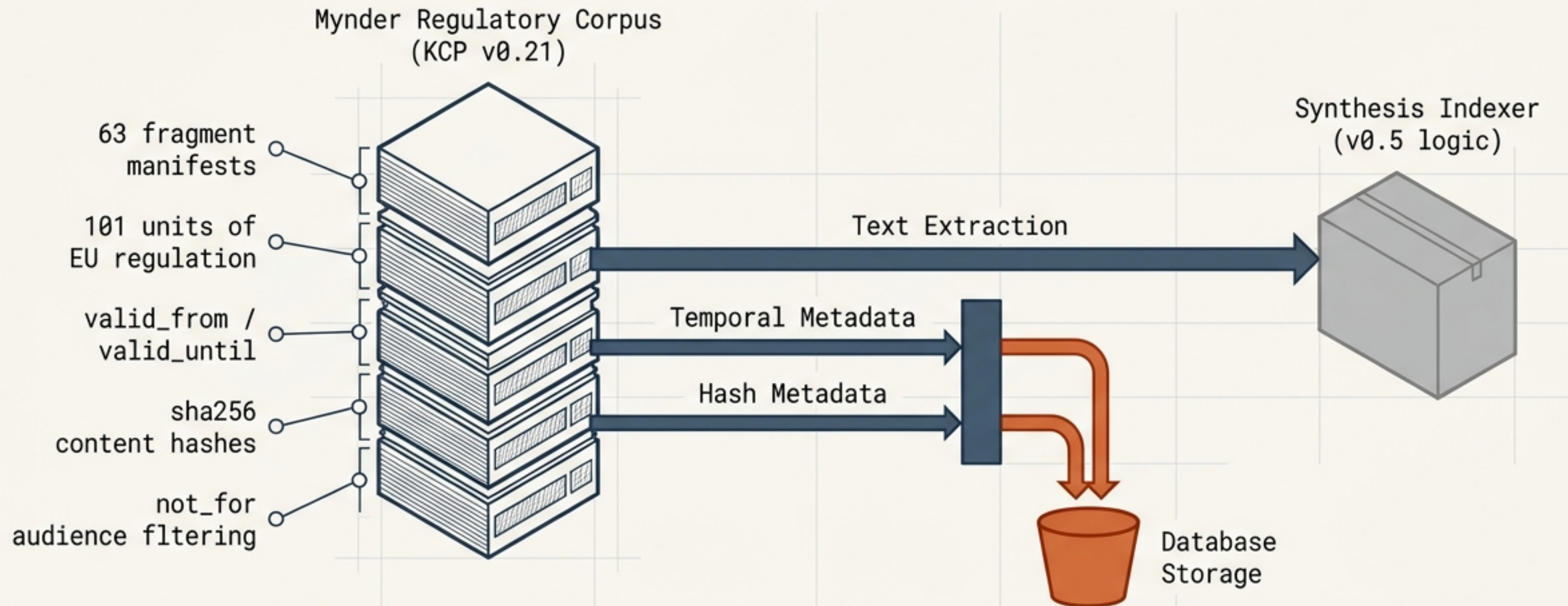


Sixteen Versions of Metadata Nobody Read



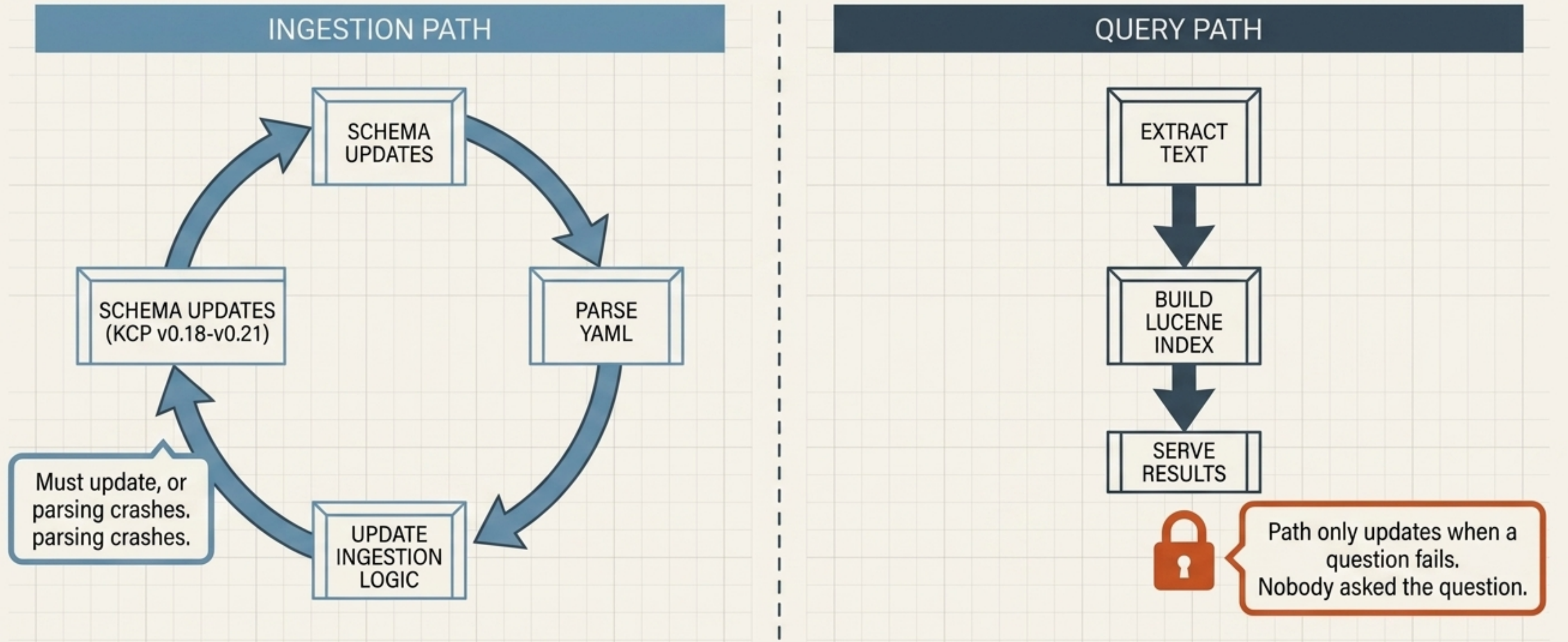
Diagnostic: The gap between organized data and intelligent infrastructure.

THE ASYMMETRY BETWEEN DATA AND ENGINE



The metadata was parsed, stored, and entirely ignored at query time.
The corpus was searchable, but not knowledge-aware.

WHY INGESTION EVOLVES WHILE QUERIES STAGNATE



The ingestion path is driven by schema survival. The query path is driven by user prompts.

THE QUERY THAT BROKE THE ILLUSION

```
> synthesis search GDPR --as-of 2017-01-01
```

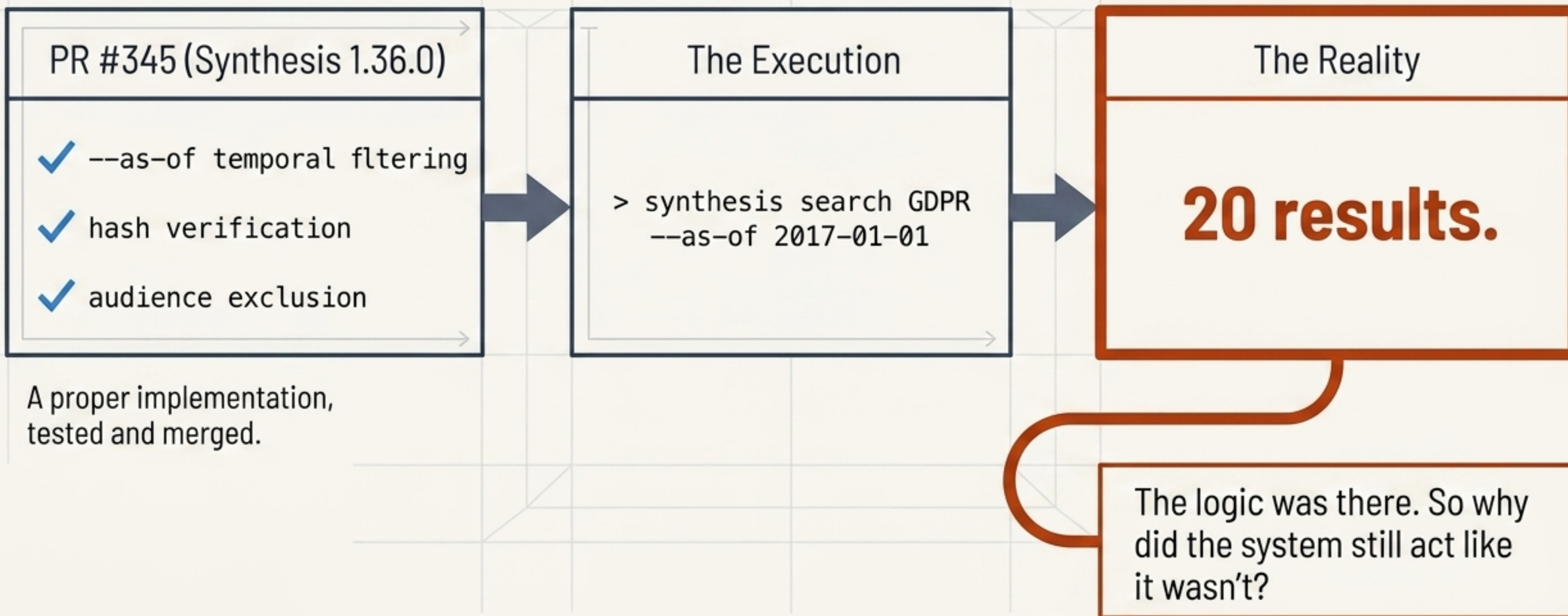
```
[System]: Returning 20 results for GDPR
```

Every single result should have been excluded. The temporal data was in the database. The query never checked it.

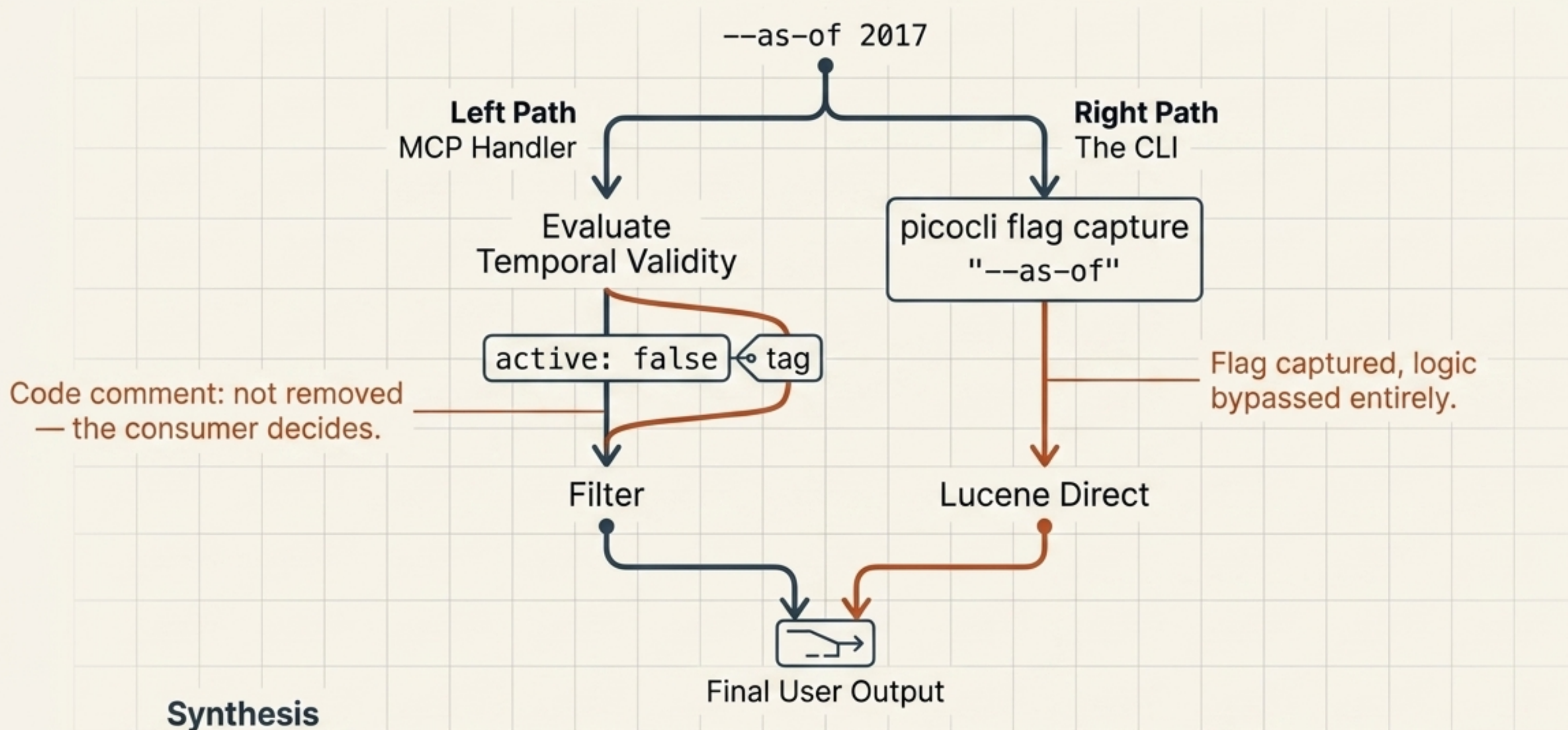
2017-01-01
(Query Date)

2018-05-25
(GDPR valid_from)

FIXING THE LOGIC DID NOT FIX THE SYSTEM

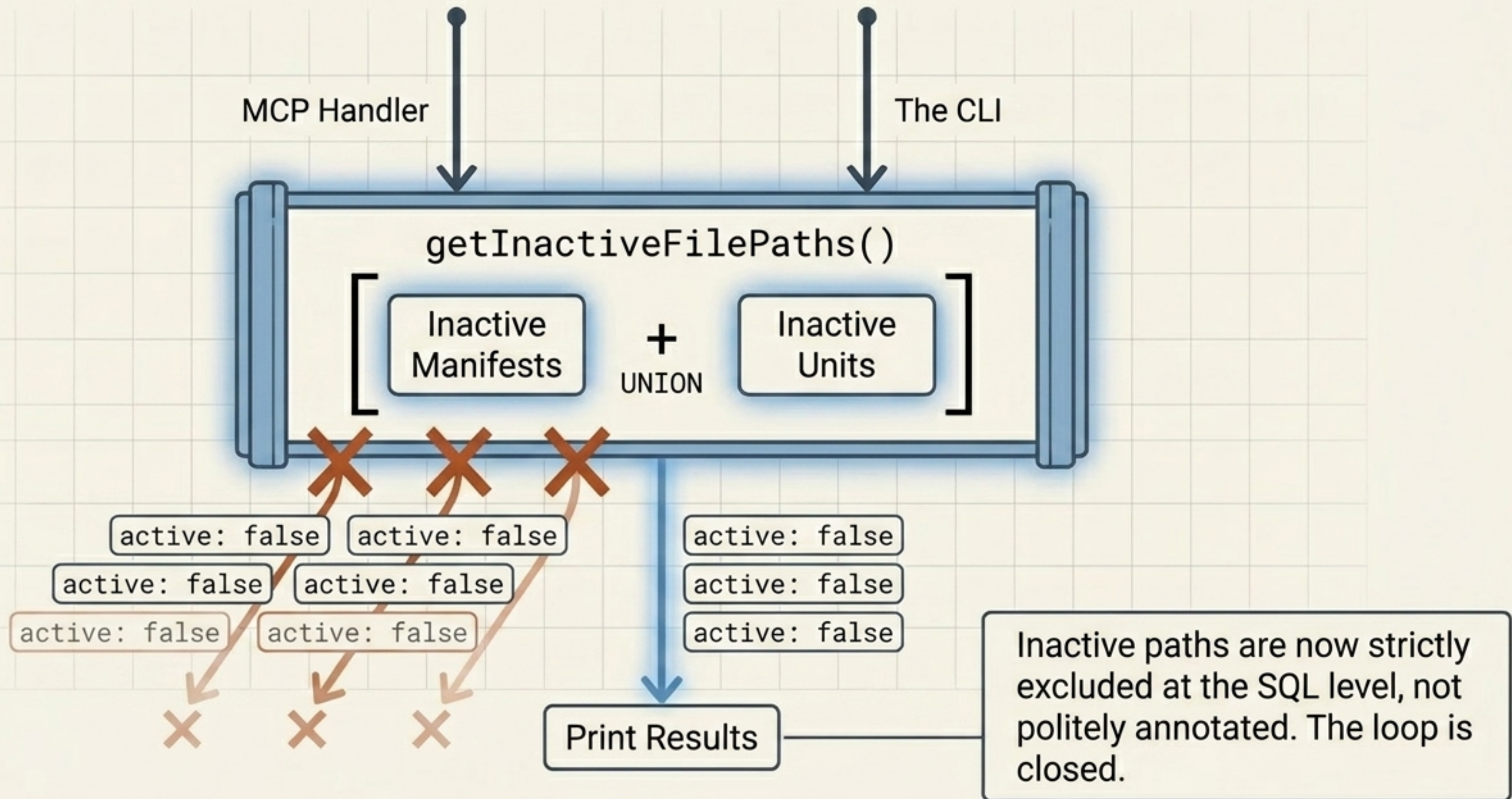


Two Independent Paths to a Total No-Op



The handler had the logic but didn't act on it. The CLI had the flag but didn't use the logic. A feature that appeared to work, but did nothing.

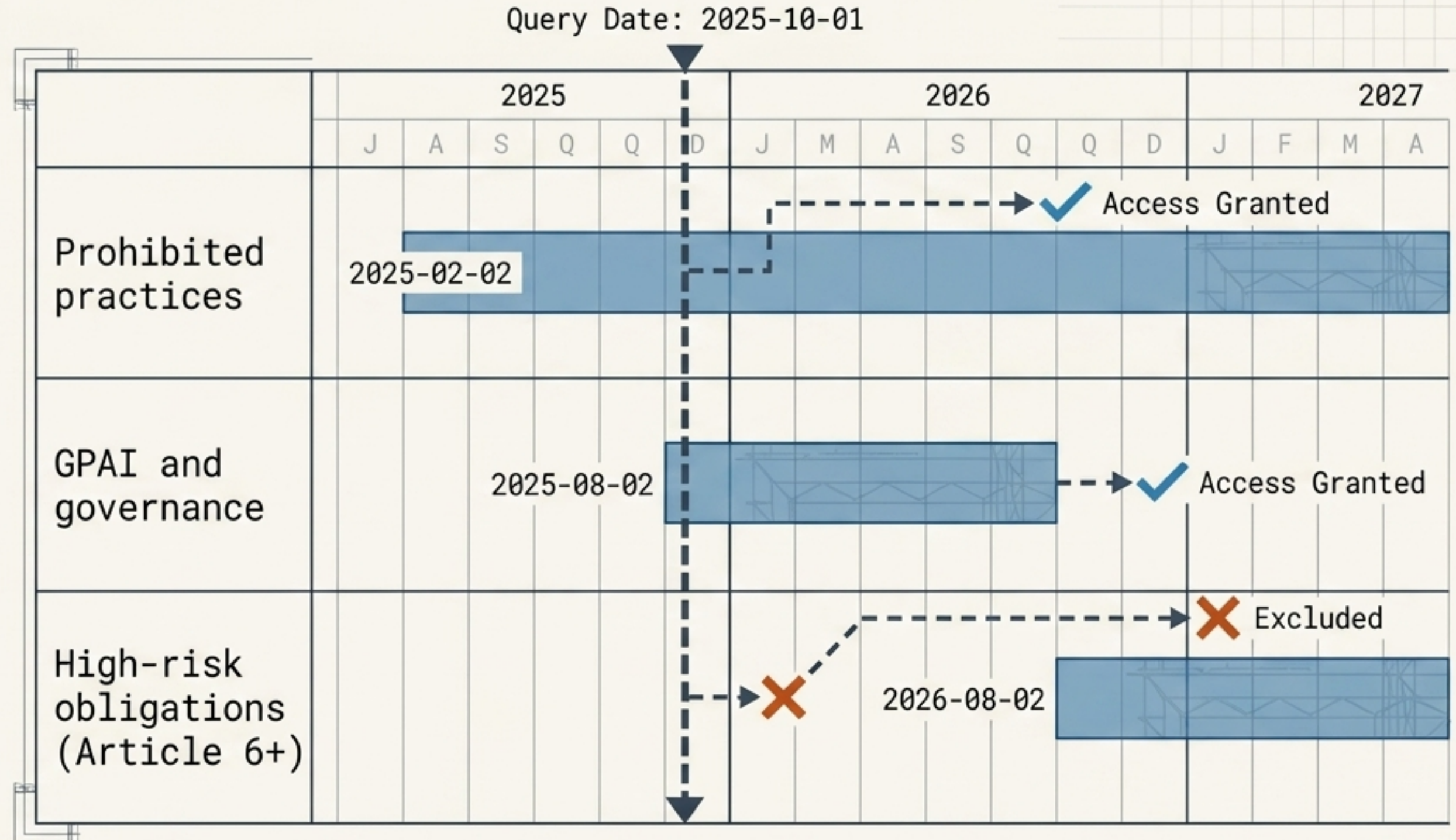
Rewiring the Circuit at the Root



Validation: The EU AI Act Temporal Override

Synthesis now understands that Article 6 requirements do not exist before August 2026.

Queries for earlier dates correctly exclude them.



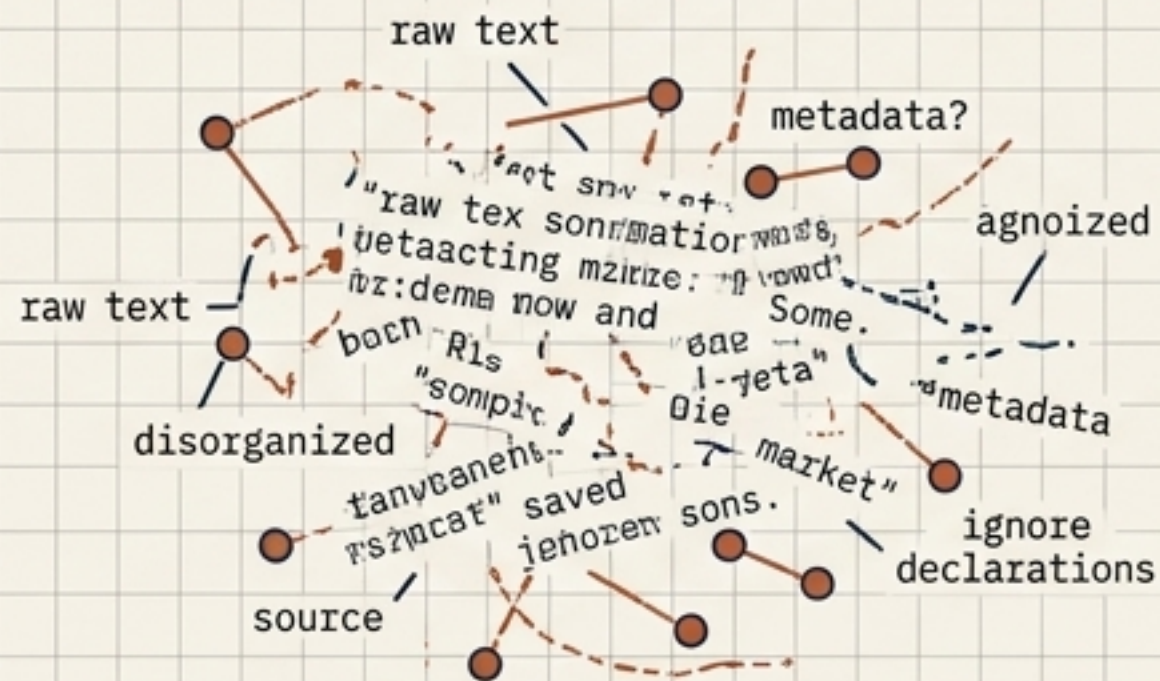
Upgrading to Observable Integrity

Signal ID	The Condition	The Root Cause
K001	Content hash mismatch	File changed without manifest update, or signed against different content.
K002	Expired unit, no successor	<code>valid_until</code> is past, <code>superseded_by</code> is null (maintenance oversight).
K003	Dangling reference	<code>superseded_by</code> ID missing from corpus.
K004	Rumored verification	Manifest claims verified, but <code>sha256</code> is absent/wrong.

These signals transform a passive collection of files into active infrastructure with observable health.

Moving from "Vibes" to Infrastructure

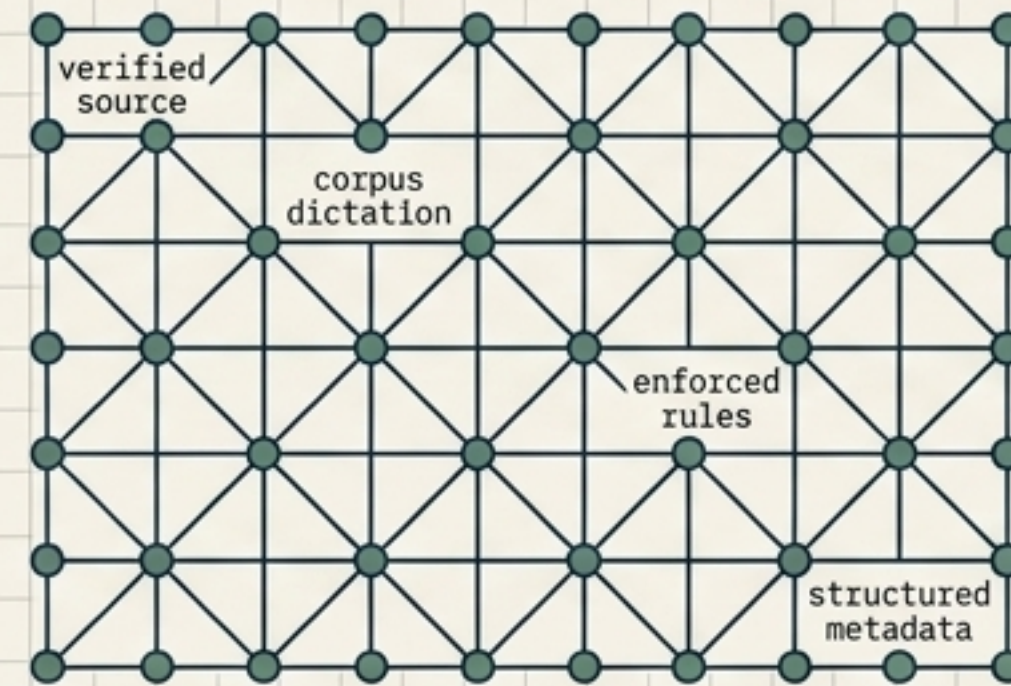
Training-Data Vibes



The AI searches raw text.
Metadata exists in files but is disorganized in the query engine.
The tool ignores the data's declarations.

The distinction is not the data itself.
It is the tool honoring what the data declares.

Organized Truths



The AI reasons from verified source text.
The corpus dictates when knowledge is valid.
The engine enforces the corpus rules.

The Loop Closes

