SQL KONFERENZ 2026

Find it. Trust it. Protect it.



Fabric Governance in Action

Wolfgang Strasser

ACP CUBIDO Digital Solutions

MVP Microsoft® Most Valuable Professional



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workingondata.wordpress.com

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AI is transforming the world


Data is the fuel
that powers AI



of business leaders believe AI will be a key factor in maintaining or growing company revenue over the next several years[1]



of senior business leaders investing in AI report positive ROI[2]

Sources: 1. Gartner, 2. EY



Of all applications will include Gen AI[1] by 2026…

[1] Gartner

Data Governance for the era of AI

Your AI is only as good as your data and the ability of your people and your AI to find and responsibly use good data



Companies can't activate their data[1]

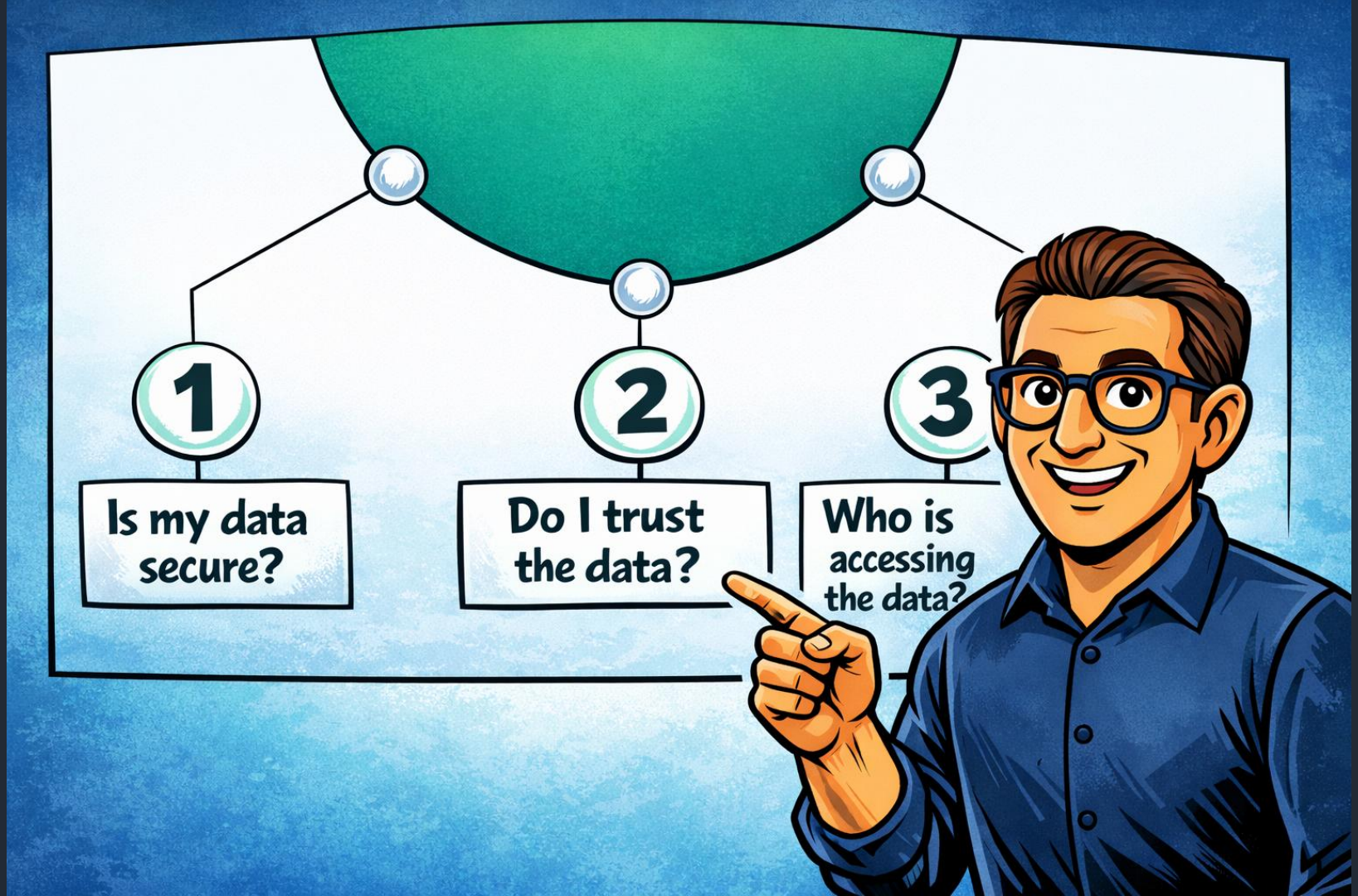


Data scientists spend time on curating data[2]



Organizations have a global data quality program[3]

[1] 2022 Chief Data Officer survey, Deloitte, 2022 | [2] Cleaning Big Data: Most Time-Consuming, Forbes | [3]Voice of the Chief Data Officer 2024


1
Is my data secure?
2
Do I trust the data?
3
Who is accessing the data?


AI/Data
GOVERNANCCE
IS A
TEAAM-SPORT!
0101
1010
Let's work together!



Microsoft Fabric

The unified data platform for AI transformation

Data Factory

Analytics

Databases

Real-Time Intelligence

IQ

Power BI

Fabric Platform

Copilot | OneLake | Governance


THE MISSING DATASET
TRUSTED

Manage, govern, and secure data in Microsoft Fabric



Manage your Fabric estate

Create a logical data mesh with domains to simplify management and increase data usage

Gain fine-grained control over your tenant, capacity, and workspace settings



Secure, protect & comply

Secure inbound and outbound network connections

Ensure only the right people have access internally

Maintain compliance with the strictest requirements



Encourage data discovery, trust, and use

Manage, catalog, and discover data in a logical, searchable data hub

Endorse and enrich high-quality data to create & promote curated, discoverable sources of truth

View the lineage for data items to identify origin and find other relevant sources



Monitor, uncover insights, and act

Track metrics important to admins such as usage, billing, and access

See relevant insights about sensitive data and item endorsement

Give users the ability to closely monitor their Fabric activities

Find it

Your Fabric Universe

Workspaces

Domains

Capacities

Lakehouses

Warehouses

Pipelines

Notebooks

Spark Clusters

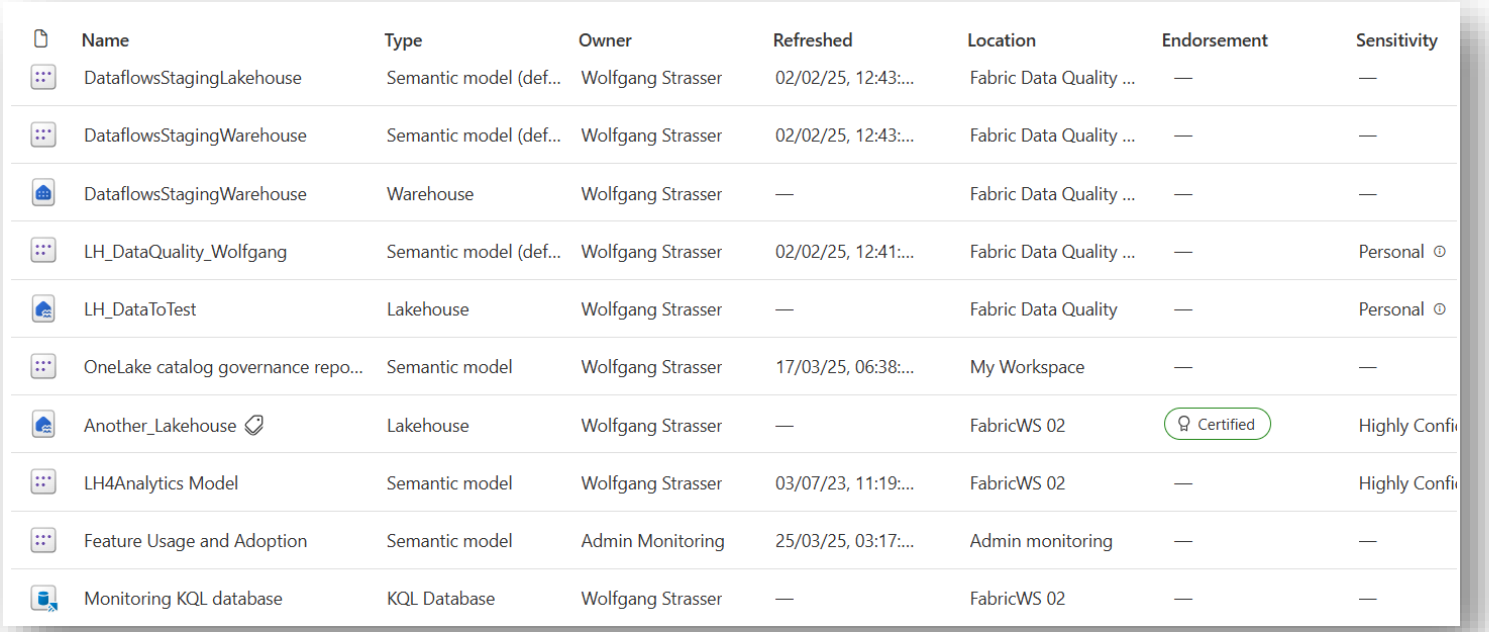
Dataflows

SQL Databases

Semantic Models

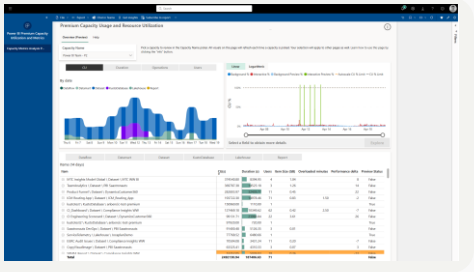
Reports

...



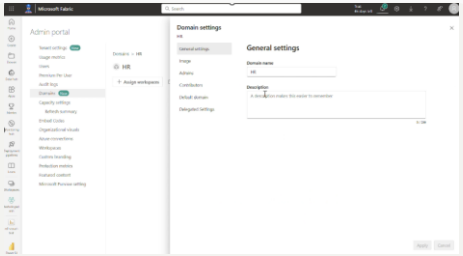
Name	Type	Owner	Refreshed	Location	Endorsement	Sensitivity
DataflowsStagingLakehouse	Semantic model (def...	Wolfgang Strasser	02/02/25, 12:43:...	Fabric Data Quality ...	—	—
DataflowsStagingWarehouse	Semantic model (def...	Wolfgang Strasser	02/02/25, 12:43:...	Fabric Data Quality ...	—	—
DataflowsStagingWarehouse	Warehouse	Wolfgang Strasser	—	Fabric Data Quality ...	—	—
LH_DataQuality_Wolfgang	Semantic model (def...	Wolfgang Strasser	02/02/25, 12:41:...	Fabric Data Quality ...	—	Personal
LH_DataToTest	Lakehouse	Wolfgang Strasser	—	Fabric Data Quality	—	Personal
OneLake catalog governance repo...	Semantic model	Wolfgang Strasser	17/03/25, 06:38:...	My Workspace	—	—
Another_Lakehouse	Lakehouse	Wolfgang Strasser	—	FabricWS 02	Certified	Highly Confi
LH4Analytics Model	Semantic model	Wolfgang Strasser	03/07/23, 11:19:...	FabricWS 02	—	Highly Confi
Feature Usage and Adoption	Semantic model	Admin Monitoring	25/03/25, 03:17:...	Admin monitoring	—	—
Monitoring KQL database	KQL Database	Wolfgang Strasser	—	FabricWS 02	—	—

Organize data into a logical data mesh



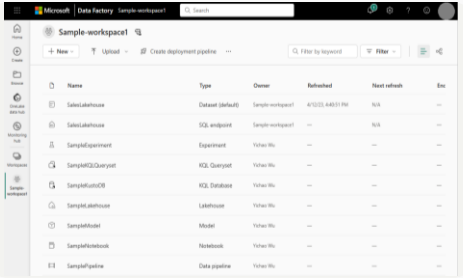
Capacities

Easily manage multiple capacities in a single tenant to better manage cost



Domains and subdomains

Group data and workspaces together into a domain and sub domains to establish a data mesh architecture



Workspaces

Group items like lakehouses, warehouses, and reports into workspaces to organize and more easily manage items together

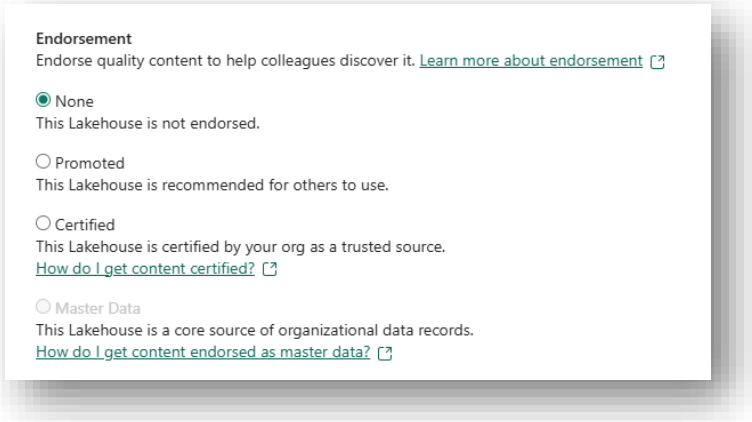

HR
MARKETING
SALES
FINANCE
R&D


Demo
Workspaces, Domains, ..


Trust it

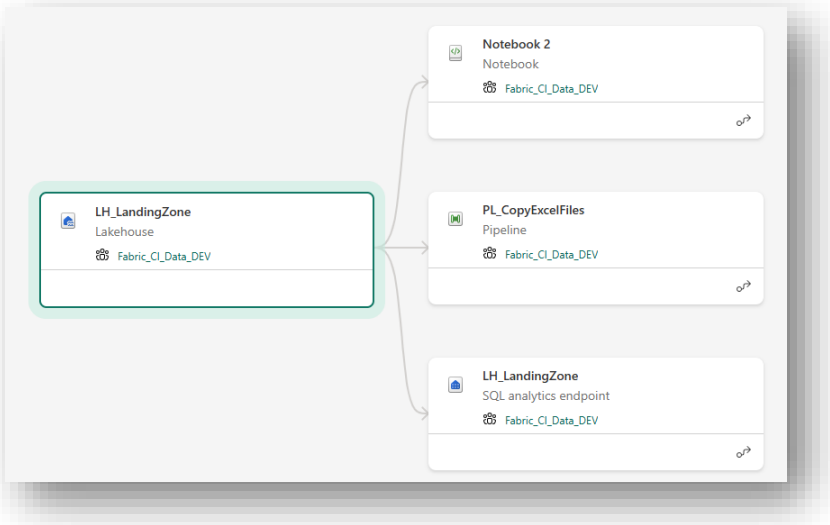

PROMOTED
CERTIFIED
MASTER DATA
DATA LINEAGE
IMPACT
TRANSFORM
SOURCES
UNVERIFIED

Endorse high-quality data

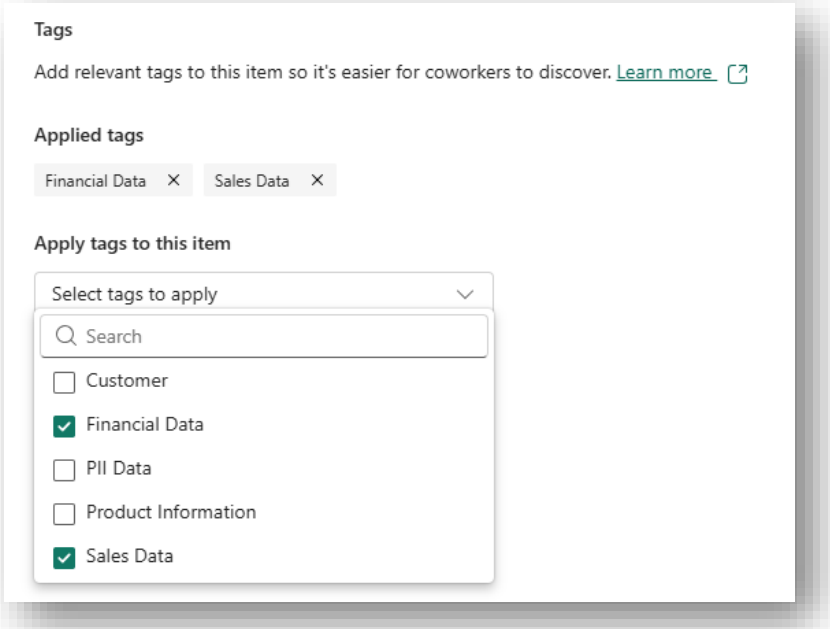


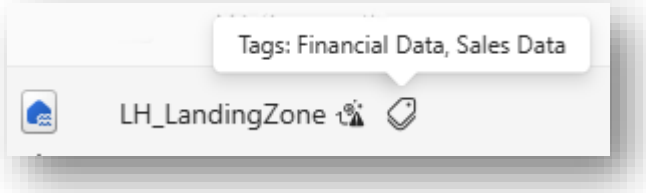
Where does my data come from?

Where does my data flow to?



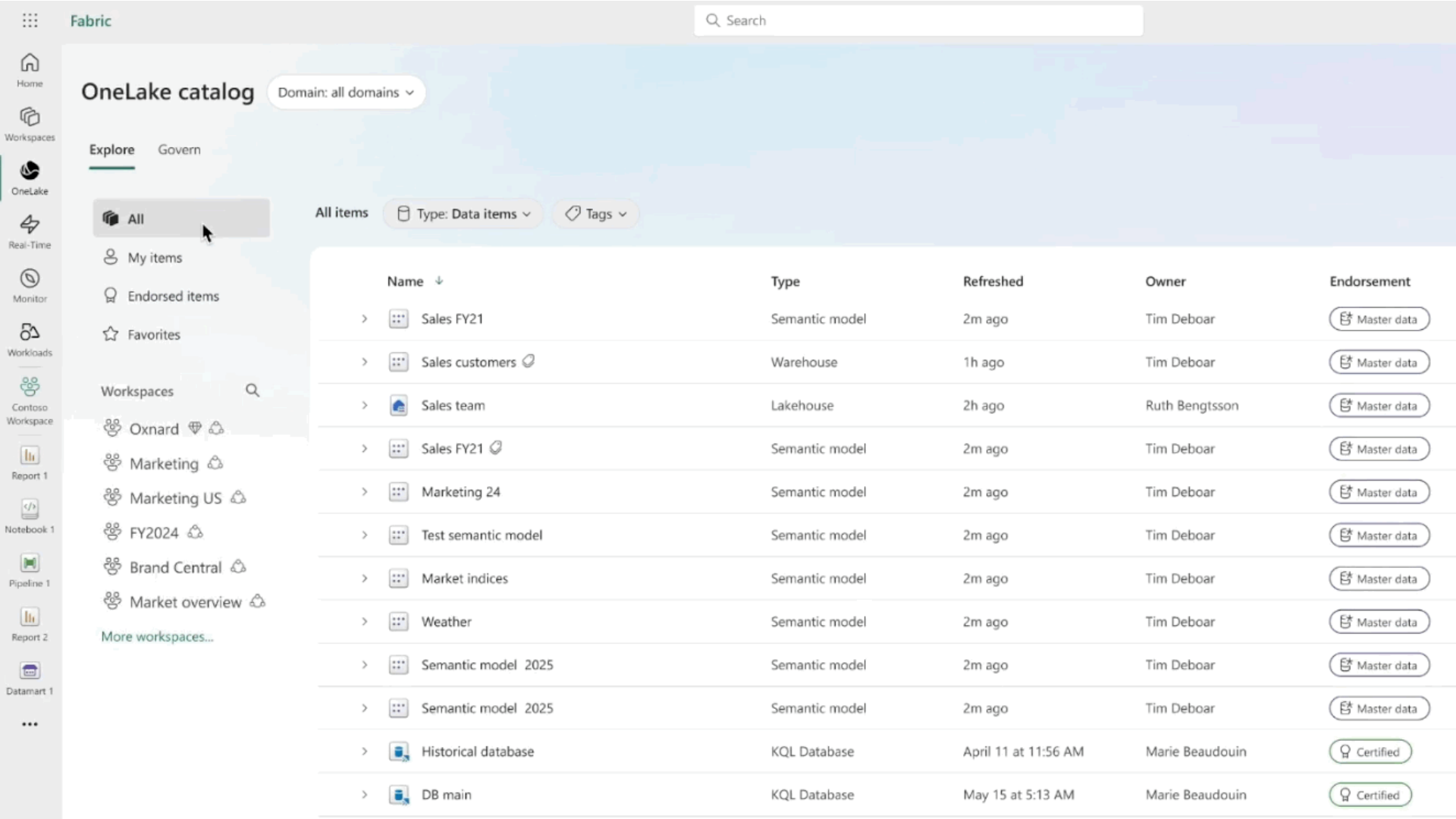
Tag your Items

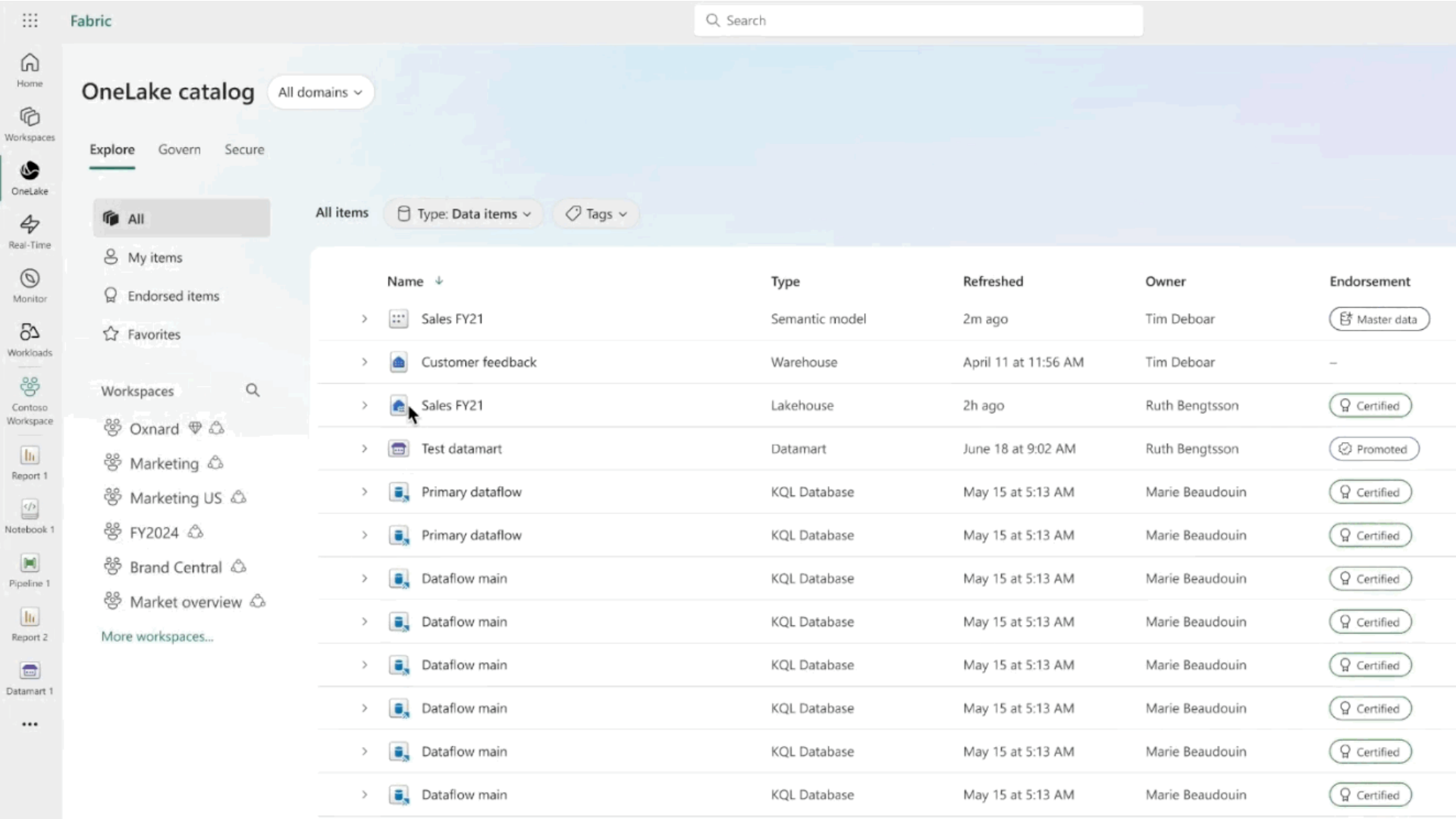





Demo
Endorsements, Tags, Lineage, ..

Curate your data for AI readiness


Fabric
Search
Home
Workspaces
OneLake
Real-Time
Monitor
Workloads
Contoso Workspace
Report 1
Notebook 1
Pipeline 1
Report 2
Datamart 1
OneLake catalog
Domain: all domains
Explore
Govern
All
My items
Endorsed items
Favorites
Workspaces
Oxnard
Marketing
Marketing US
FY2024
Brand Central
Market overview
More workspaces...
All items
Type: Data items
Tags
Name
Type
Refreshed
Owner
Endorsement
Sales FY21 Semantic model 2m ago Tim Deboar Master data
Sales customers Warehouse 1h ago Tim Deboar Master data
Sales team Lakehouse 2h ago Ruth Bengtsson Master data
Sales FY21 Semantic model 2m ago Tim Deboar Master data
Marketing 24 Semantic model 2m ago Tim Deboar Master data
Test semantic model Semantic model 2m ago Tim Deboar Master data
Market indices Semantic model 2m ago Tim Deboar Master data
Weather Semantic model 2m ago Tim Deboar Master data
Semantic model 2025 Semantic model 2m ago Tim Deboar Master data
Semantic model 2025 Semantic model 2m ago Tim Deboar Master data
Historical database KQL Database April 11 at 11:56 AM Marie Beaudouin Certified
DB main KQL Database May 15 at 5:13 AM Marie Beaudouin Certified

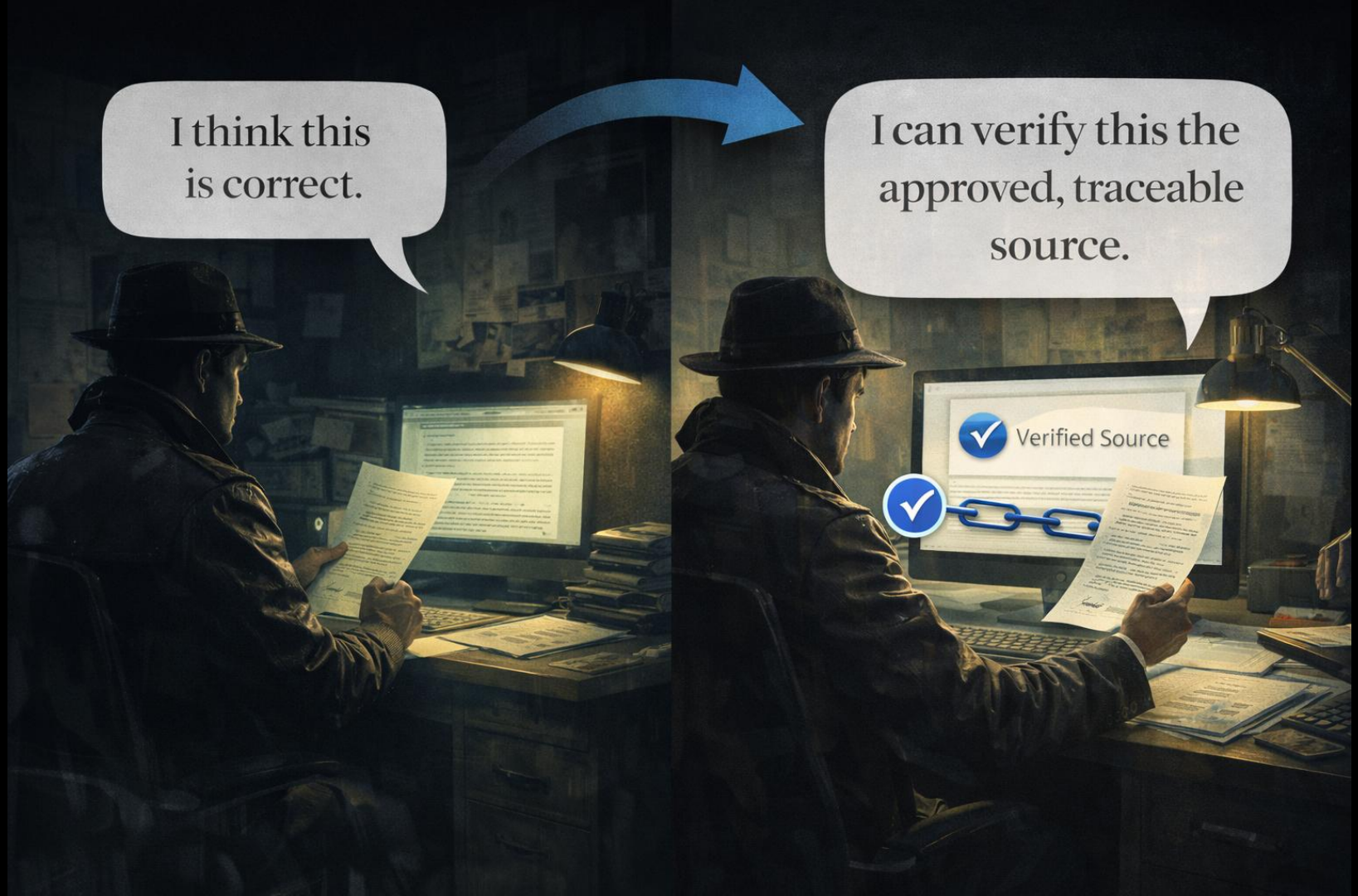

Fabric
Search
Home
Workspaces
OneLake
Real-Time
Monitor
Workloads
Contoso Workspace
Report 1
Notebook 1
Pipeline 1
Report 2
Datamart 1
OneLake catalog
All domains
Explore
Govern
Secure
All
My items
Endorsed items
Favorites
Workspaces
Oxnard
Marketing
Marketing US
FY2024
Brand Central
Market overview
More workspaces...
All items
Type: Data items
Tags
Name
Type
Refreshed
Owner
Endorsement
Sales FY21
Semantic model
2m ago
Tim Deboar
Master data
Customer feedback
Warehouse
April 11 at 11:56 AM
Tim Deboar
–
Sales FY21
Lakehouse
2h ago
Ruth Bengtsson
Certified
Test datamart
Datamart
June 18 at 9:02 AM
Ruth Bengtsson
Promoted
Primary dataflow
KQL Database
May 15 at 5:13 AM
Marie Beaudouin
Certified
Primary dataflow
KQL Database
May 15 at 5:13 AM
Marie Beaudouin
Certified
Dataflow main
KQL Database
May 15 at 5:13 AM
Marie Beaudouin
Certified
Dataflow main
KQL Database
May 15 at 5:13 AM
Marie Beaudouin
Certified
Dataflow main
KQL Database
May 15 at 5:13 AM
Marie Beaudouin
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Dataflow main
KQL Database
May 15 at 5:13 AM
Marie Beaudouin
Certified

OneLake Catalog


EXPLORE
GOVERN
SECURE


Demo
OneLake Catalog


OneLake
CATALOG
PROMOTED
CERTIFIED
IMPACT
TRANSFORM
SOURCES
SOURCES

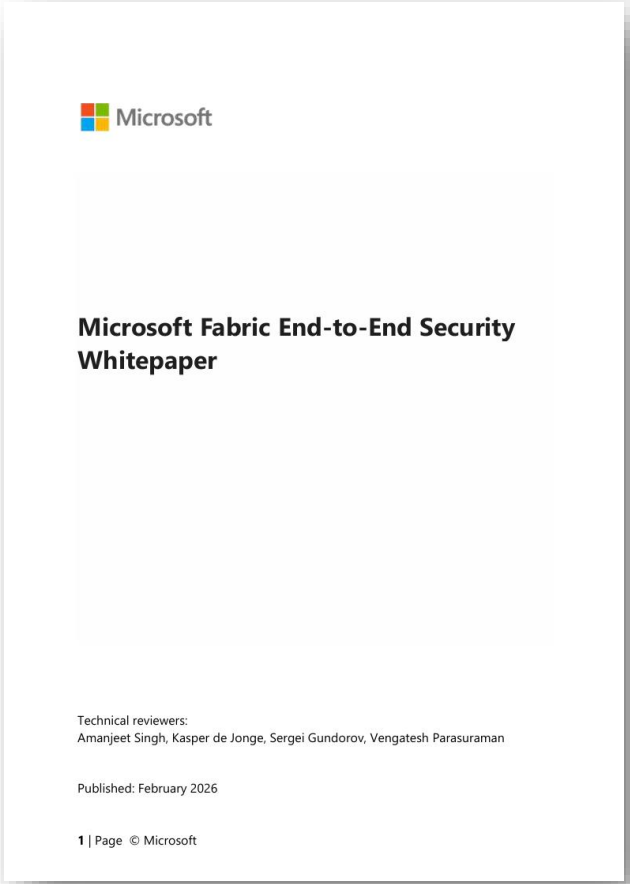

I think this is correct.
I can verify this the approved, traceable source.
Verified Source

Protect it

Security in Microsoft Fabric



Security Whitepaper



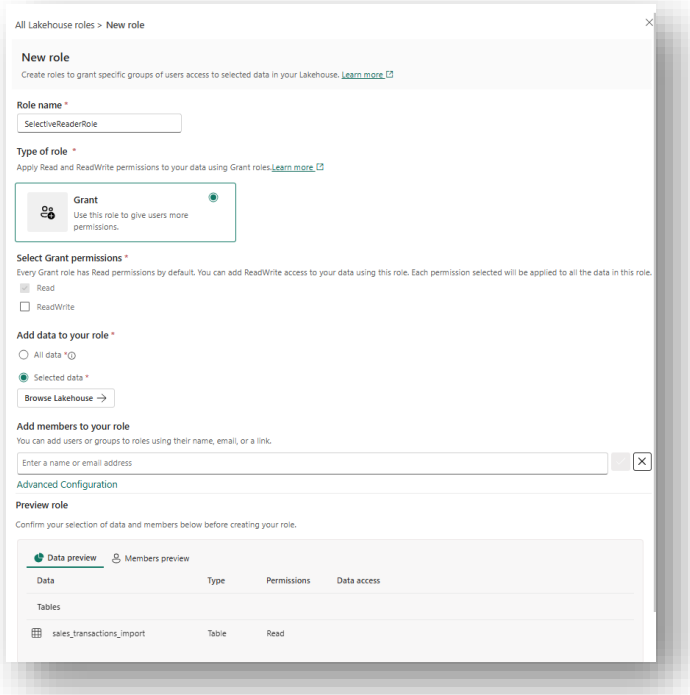
https://learn.microsoft.com/en-us/fabric/security/white-paper-landing-page

Security Layers in Fabric



- Regulations & Certification
- Data Encryption
- High Availability & Disaster Recovery
- E2E Auditability with Microsoft Purview
- Information protection labels with Microsoft Purview
- Additional advanced tools in Microsoft Purview
- 3rd party and in-house governance & security solutions

OneLake Security



Data Security

With the help of Microsoft Purview



Microsoft Purview

Data Security

Secure data across its lifecycle, wherever it lives

Data Loss Prevention
Insider Risk Management
Information Protection

Data Governance

Confidently activate your data & accelerate time to insights

Unified Catalog

Data Discovery
Curation
Data Quality
Data Health
Master Data Management[1]

Data Compliance

Manage critical risks and regulatory requirements

Compliance Manager
eDiscovery and Audit
Communication Compliance
Data Lifecycle Management
Records Management

Unstructured & Structured data | **Traditional and AI generated data** | **Microsoft and Multi-cloud**

Shared platform capabilities

AI-based efficiency, Data Map, Classification, Labels, Audit Logs, Policies, Data Connectors

Governance at which scale?



Microsoft Fabric

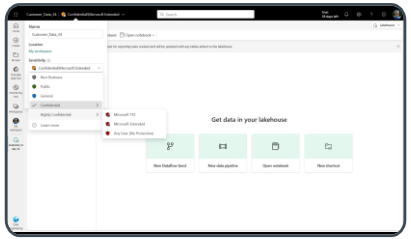
Local Governance



Microsoft Purview

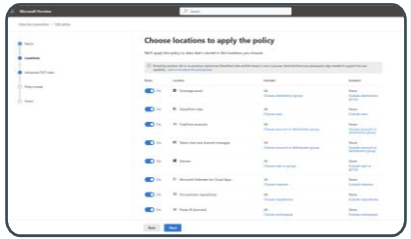
Global Governance

Purview Data Security & Compliance integration with Fabric



Information protection sensitivity labels and protection policies

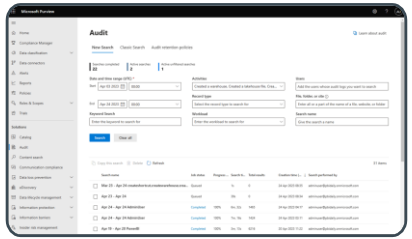
Classify sensitive Fabric data using the same **sensitivity labels** that are used in Microsoft 365—the label and protection travels with the data within Fabric, and enforced even when the data is exported to Office.



Data loss prevention policies

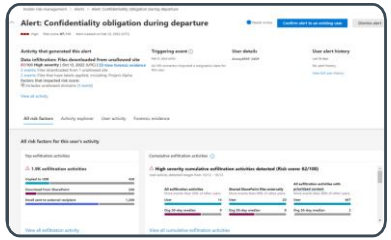
Automatically detect sensitive data such as PII or SSN in Lakehouse or Semantic Models and trigger automatic risk remediation actions such as alerts or restrict access.

Additional Microsoft Purview purchase required



Audit

Log user activities from Microsoft Fabric in **MS Purview Audit** to support security, forensic, and internal investigations.

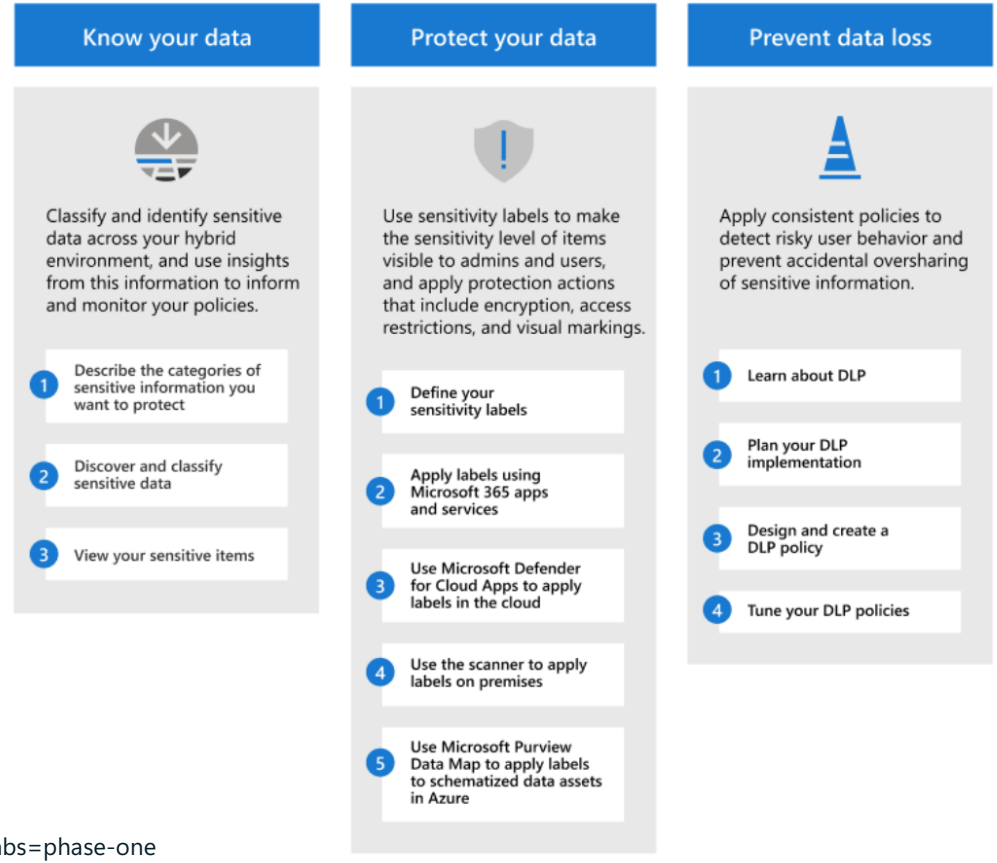


Insider Risk Management

Ingest audit logs from Fabric in addition to other millions of signals to **identify potential malicious or inadvertent insider risk.**

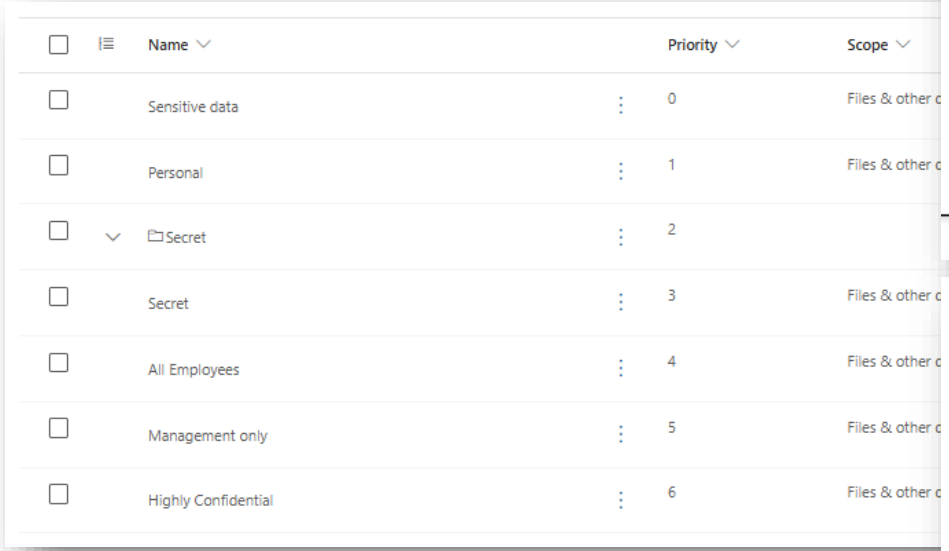

Top Secret
Sensitive
Confidential

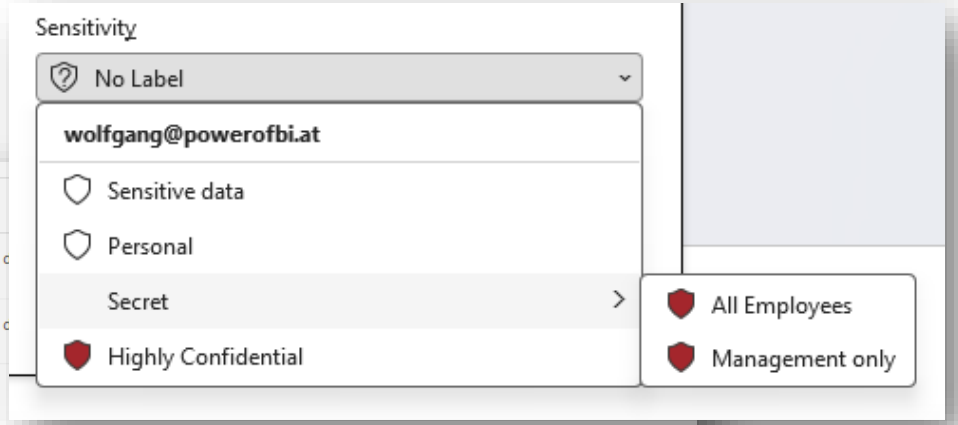
Microsoft Information Protection

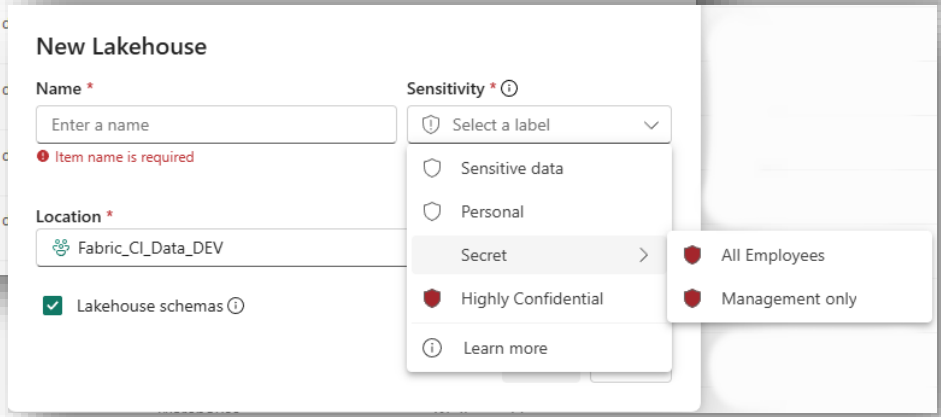


https://learn.microsoft.com/en-us/purview/information-protection-solution?tabs=phase-one

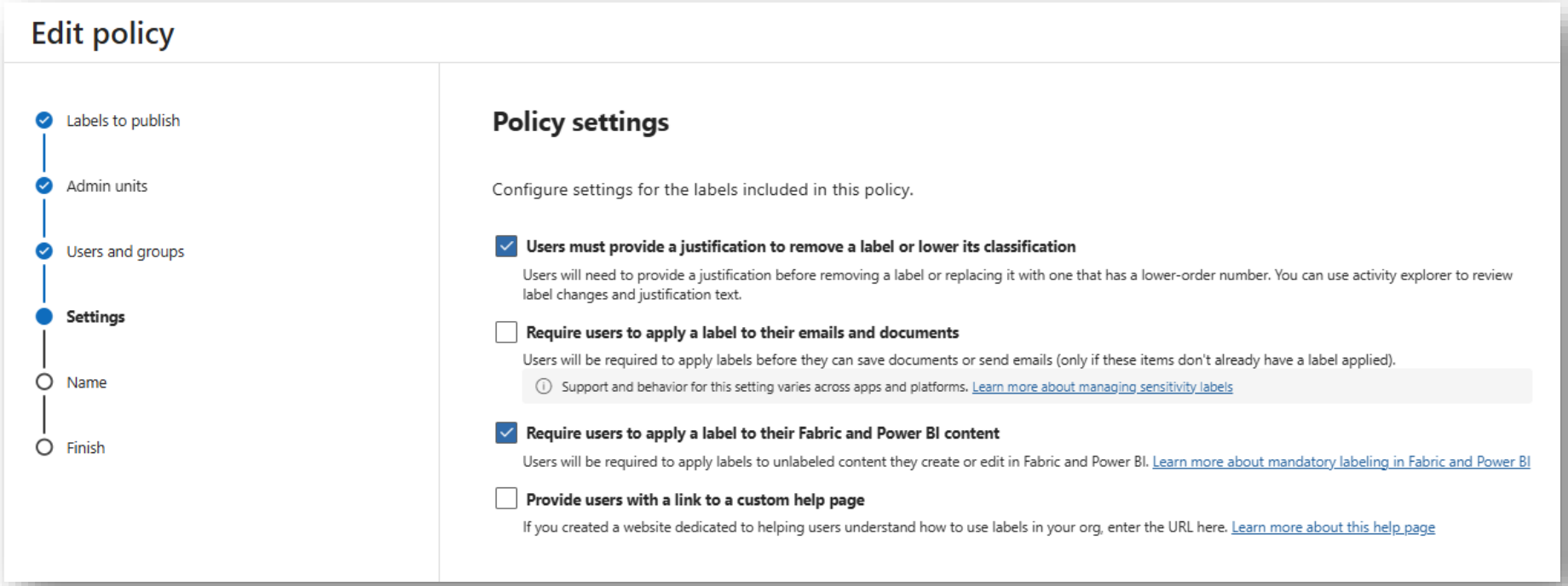
Sensitivity Labels



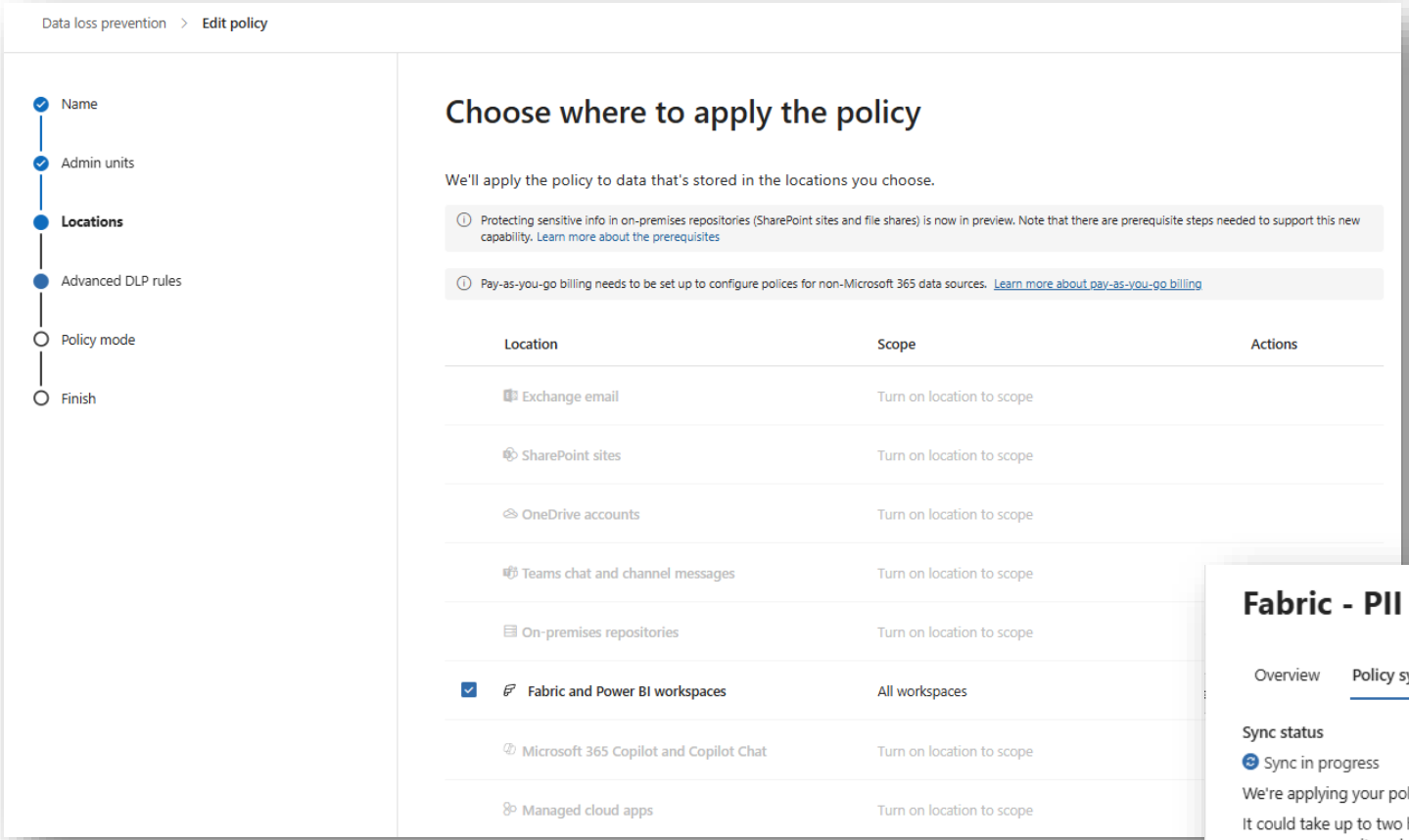


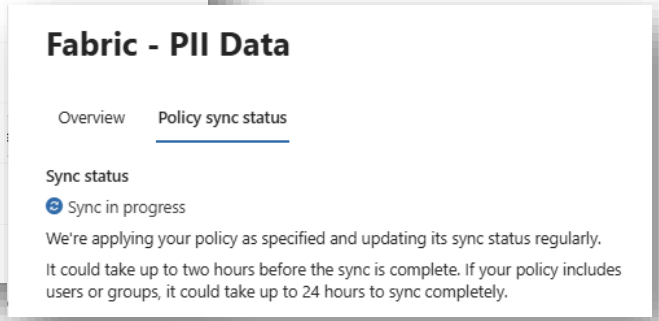


Information Protection Policies

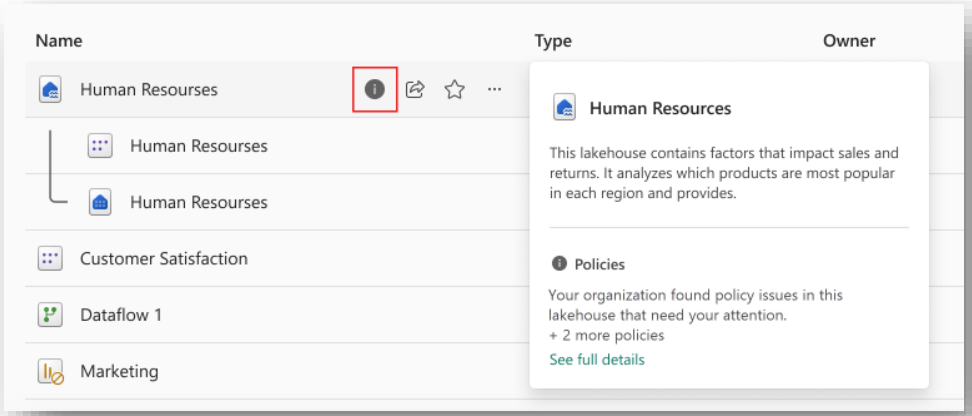


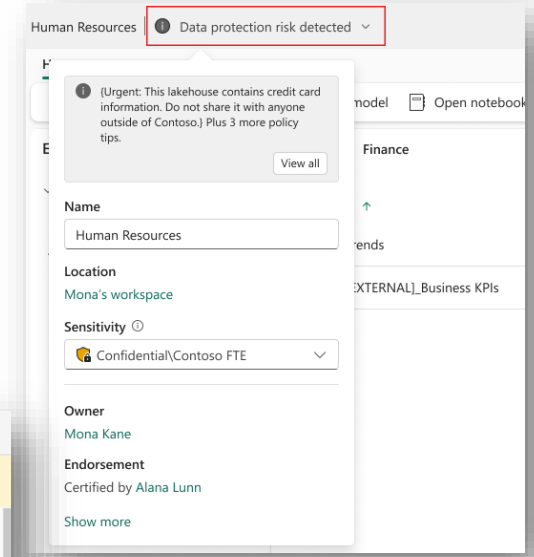
Data Loss Prevention Policies

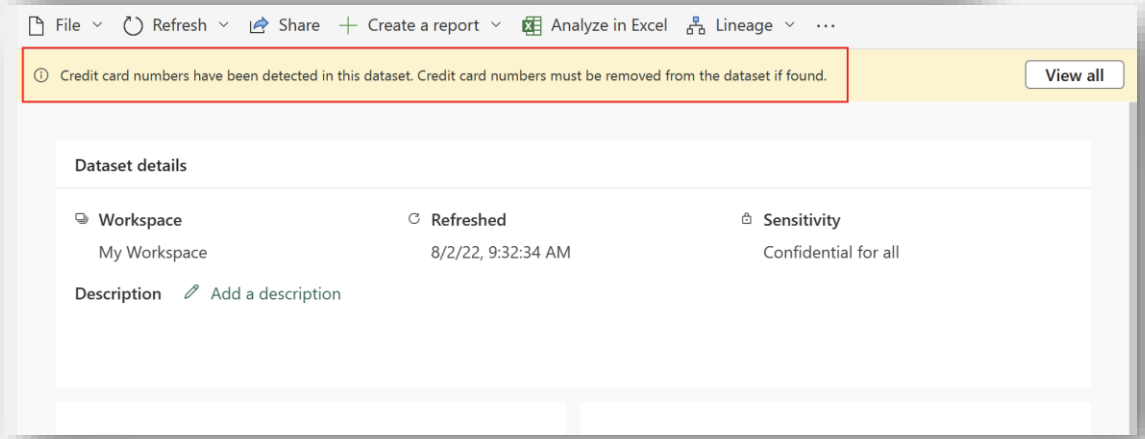




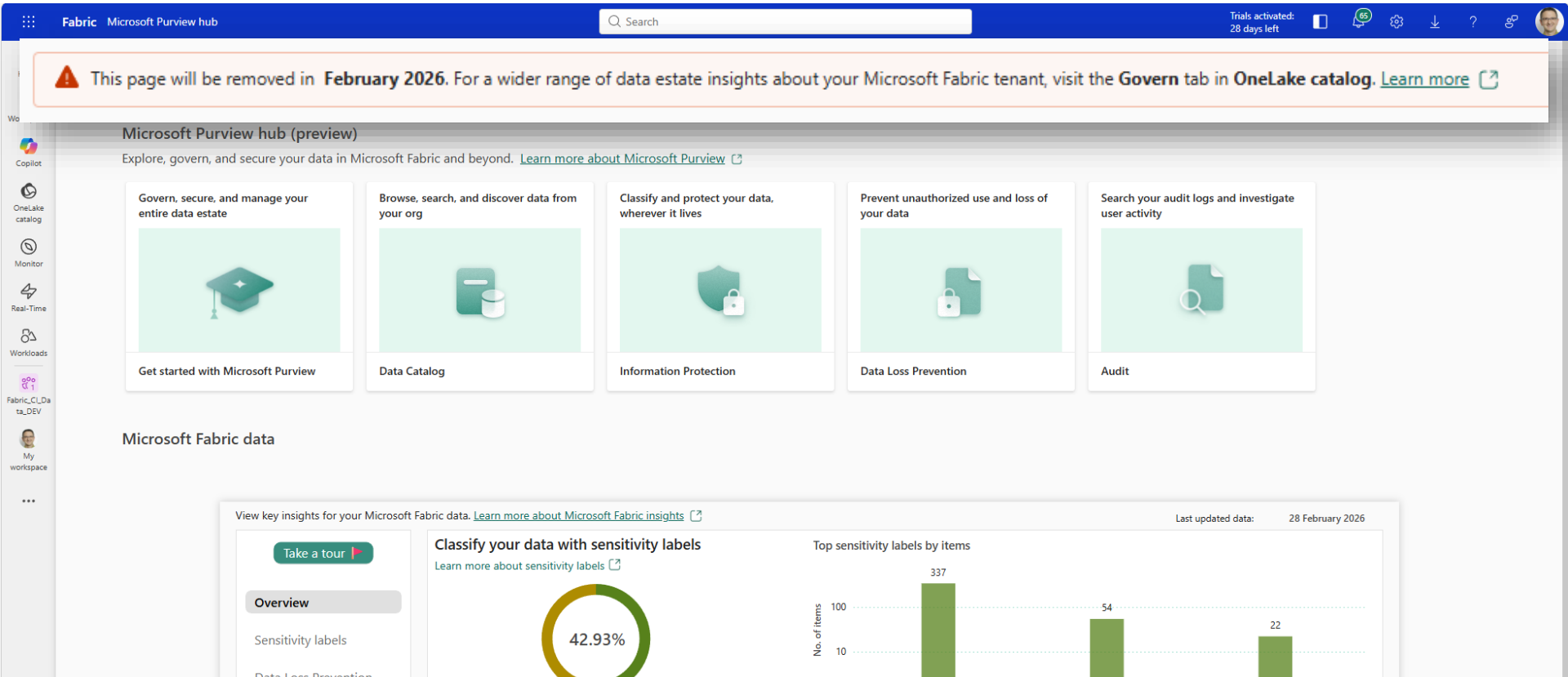
Data Loss Prevention Policies in Fabric



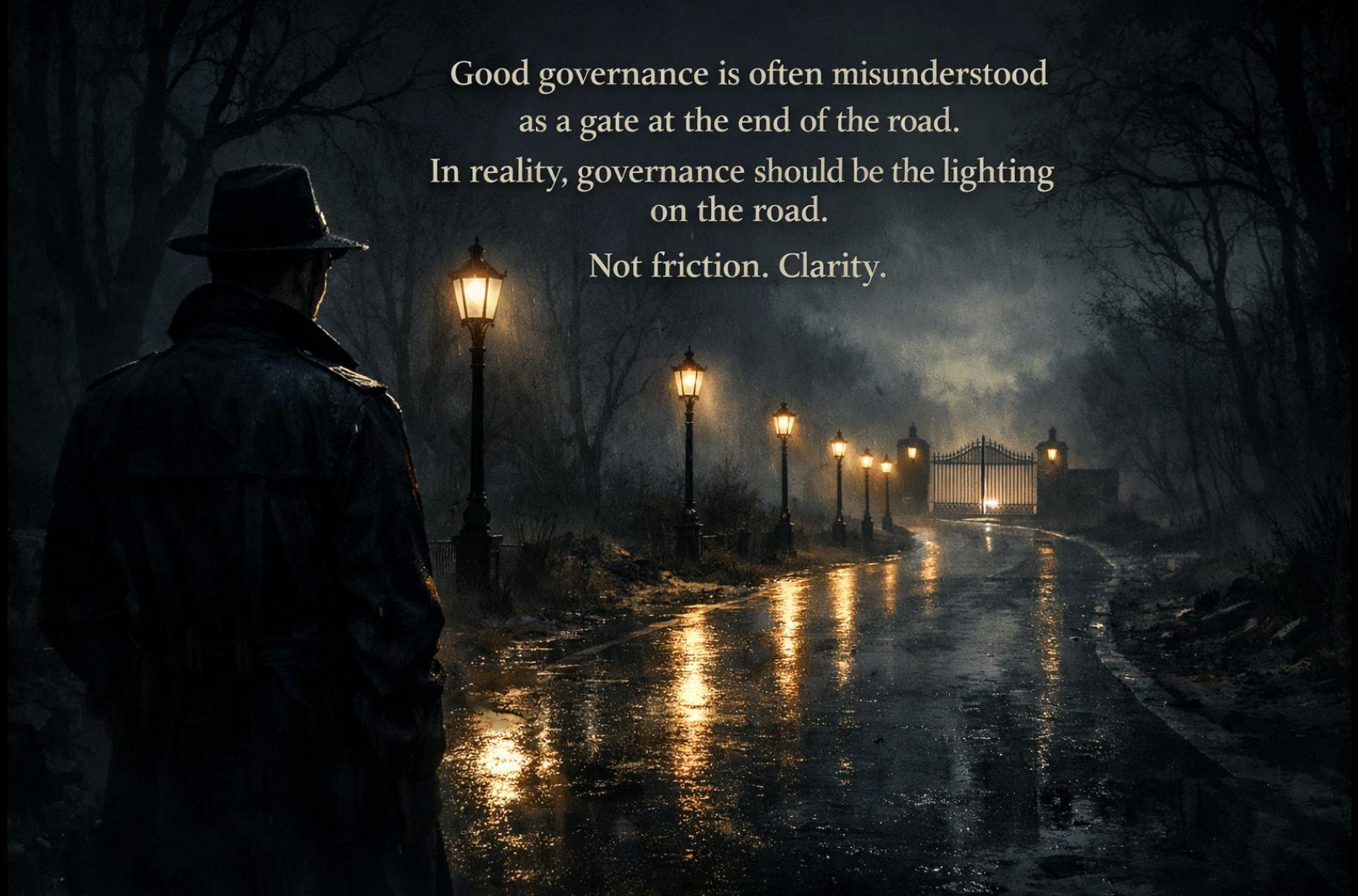


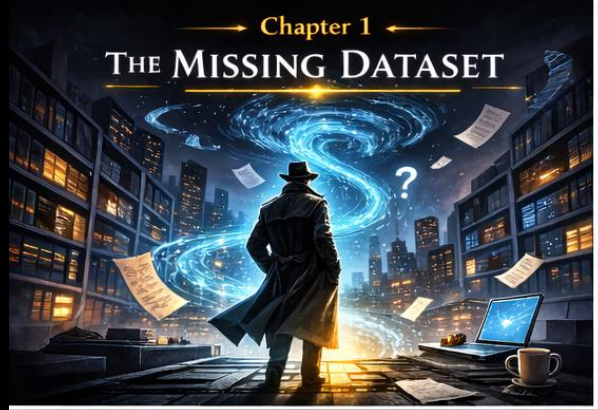


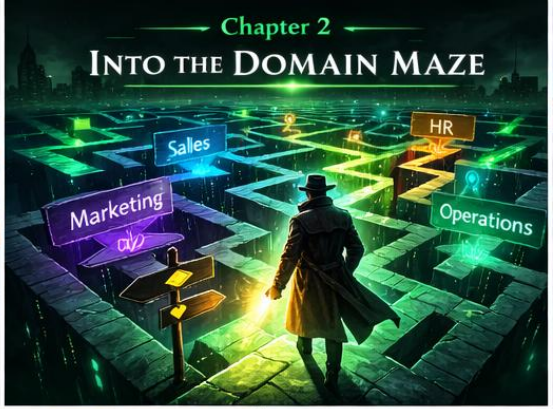
Purview Hub in Fabric – quo vadis?

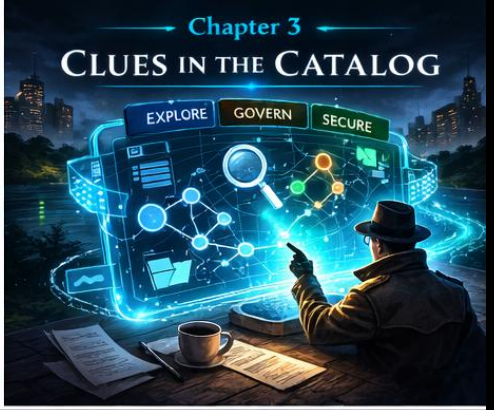


Sum it up

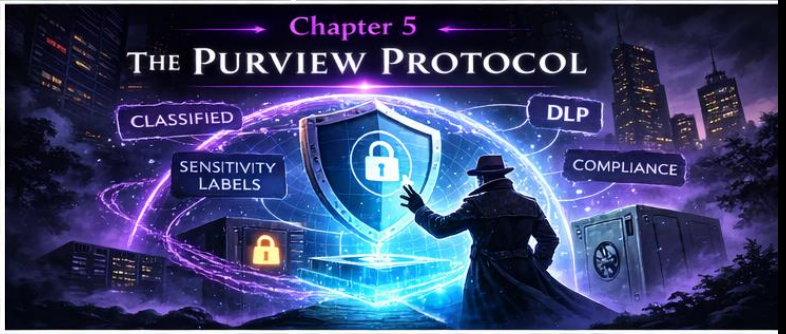

Good governance is often misunderstood
as a gate at the end of the road.
In reality, governance should be the lighting
on the road.
Not friction. Clarity.

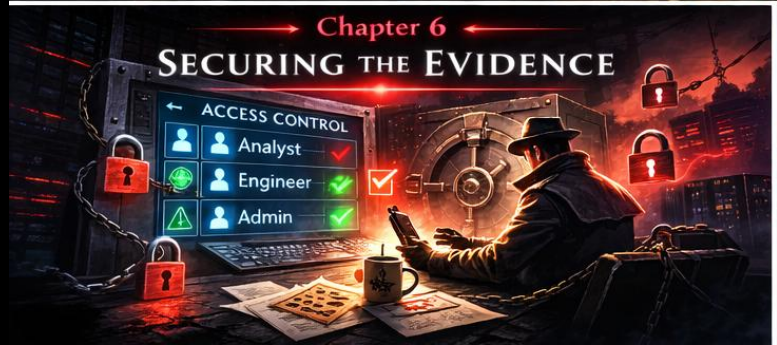

Chapter 1
The Missing Dataset
?

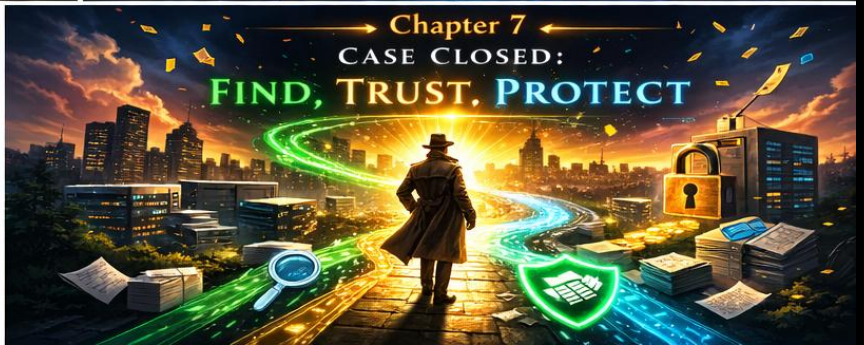

Chapter 2
Into the Domain Maze
Sales
HR
Marketing
Operations


Chapter 3
Clues in the Catalog
EXPLORE
GOVERN
SECURE


Chapter 4
Earning Trust
PROMOTED
CERTIFIED
LINEAGE
MASTER DATA
???


Chapter 5
The Purview Protocol
CLASSIFIED
DLP
SENSITIVITY LABELS
COMPLIANCE


Chapter 6
Securing the Evidence
ACCESS CONTROL
Analyst
Engineer
Admin


Chapter 7
CASE CLOSED:
FIND, TRUST, PROTECT



Feedback

This is where **governance** stops being “control”
and becomes “**confidence at scale.**”



Engineers
gain reusable patterns

Analysts
gain trusted inputs

Business users
gain faster, safer decision-making.

SQL KONFERENZ 2026

Find it. Trust it. Protect it.



Fabric Governance in Action

Wolfgang Strasser

ACP CUBIDO Digital Solutions

MVP Microsoft® Most Valuable Professional