



More than „just“ a Data Catalogue

Wirlwind Tour Through the Microsoft Purview Universe

Wolfgang Strasser





Servus! Hi! Welcome!



Microsoft® Most Valuable Professional

Wolfgang Strasser

Data Consultant @ ACP CUBIDO Digital Solutions

workingondata.wordpress.com

Data Community Austria (Day) – 23rd - 24th, January 2025

https://www.youtube.com/@WolfgangStrasser

Let’s talk about Data Governance and Microsoft Fabric

Wolfgang Strasser



Data Platform
NEXT STEP





Once upon a time...



MS Designer helped

Azure Purview is now Microsoft Purview!



Microsoft Azure <azure-noreply@microsoft.com>
To Wolfgang Strasser



18:41



Microsoft Azure

Azure Purview is now Microsoft Purview!

You're receiving this notification because your organization currently has an Azure Purview account provisioned in a subscription you own. We're excited to share some news regarding Azure Purview becoming Microsoft Purview.

Last September, we announced the general availability of **Azure Purview** – **thousands of organizations like yours** have now collectively discovered **tens of billions of data assets** as well as served up **millions of searches** every month to empower information workers to find valuable enterprise data quickly and easily.

In the past, we've shared how Azure Purview and Microsoft 365 Compliance are used together to ensure consistent, automated application of sensitivity labels to data assets across the data estate to simplify how organizations understand their sensitive data.

Today, we're excited to introduce **Microsoft Purview— a comprehensive set of solutions to help you govern, protect, and manage your entire data estate**. By bringing together **the former Azure Purview** and **the former Microsoft 365 Compliance portfolio** under one brand and a more unified platform, **Microsoft Purview** can help you understand and govern the data across your estate, safeguard that data wherever it lives, and improve your risk and compliance posture in a much simpler way than traditional solutions in the market today.

19. April 2022



Microsoft Purview

Data Security	Data Governance	Data Compliance
Secure your data along its lifecycle	Unlock value creation from your data	Manage critical risks and regulatory requirements
Data Loss Prevention *Insider Risk Management* *Information Protection* *Adaptive Protection*	*Discovery and Access* *Catalog Management* *Health Management* *Master Data Management**	*Compliance Manager* *eDiscovery and Audit* *Communication Copliance* *Data Lifecycle Management* *Records Management*

Shared platform capabilities

Structured, **Semi-structured** and **Unstructured Data**

Along the **Data Lifecycle**

** Through 3rd Party Integration*

Explore the Microsoft Purview family

Help keep your organization's data safe with a range of solutions for unified data security, data governance, and risk and compliance management.

Audit

Support forensic investigations and meet regulatory requirements with critical audit log events, and customized retention policies.

Learn more >

Adaptive Protection

Discover how Adaptive Protection Preview can dynamically adjust the strength of your data security controls.

Learn more >

Communication Compliance

Foster a safe and compliant workplace by detecting sensitive or inappropriate content shared across your organization's communication channels.

Learn more >

eDiscovery

Discover and manage your data in place with end-to-end workflows for internal or legal investigations.

Learn more >

Compliance Manager

Reduce risk by translating complex regulatory requirements into specific improvement actions that help you raise your score and track progress.

Learn more >

Information Protection

Discover, identify, classify, and protect sensitive data that's business critical, and then manage and protect it across your environment.

Learn more >

Data Lifecycle Management

Classify and govern data at scale to meet your legal, business, privacy, and regulatory content obligations.

Learn more >

Insider Risk Management

Detect, investigate, and act on critical risks in your organization, including data theft, data leaks, and security policy violations.

Learn more >

Data Loss Prevention

Automatically protect sensitive information from risky and unauthorized access across apps, services, endpoints, and on-premises files.

Learn more >

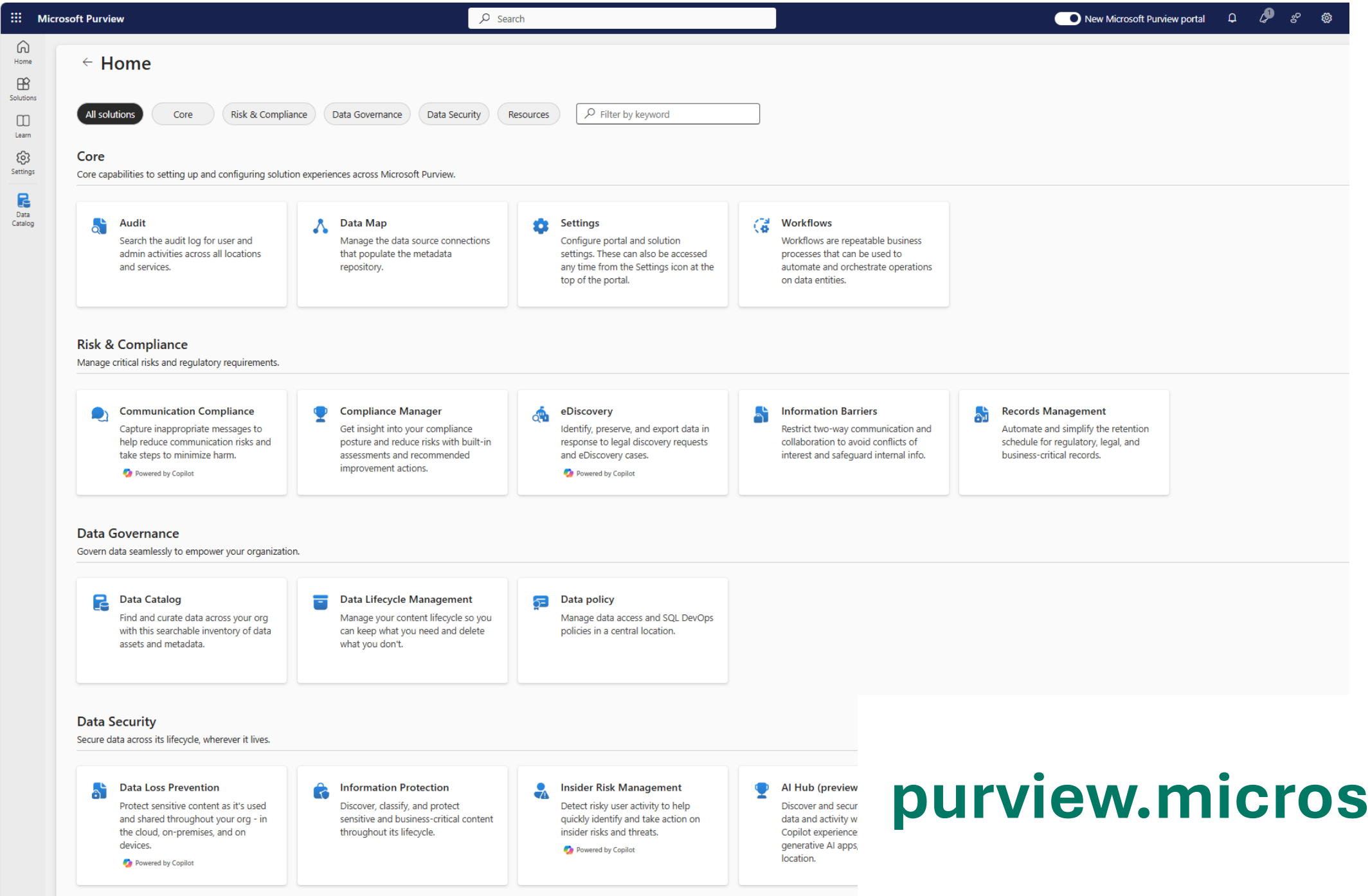
Unified Data Governance

Gain visibility into all data across your multicloud and hybrid data estate with Unified Data Map. Maximize business value through easy discoverability and access to data with Data Catalog. Gain a comprehensive understanding of your entire data estate with Data Estate Insights.

Learn more >

https://www.microsoft.com/en/security/business/microsoft-purview

One Portal to rule them all...

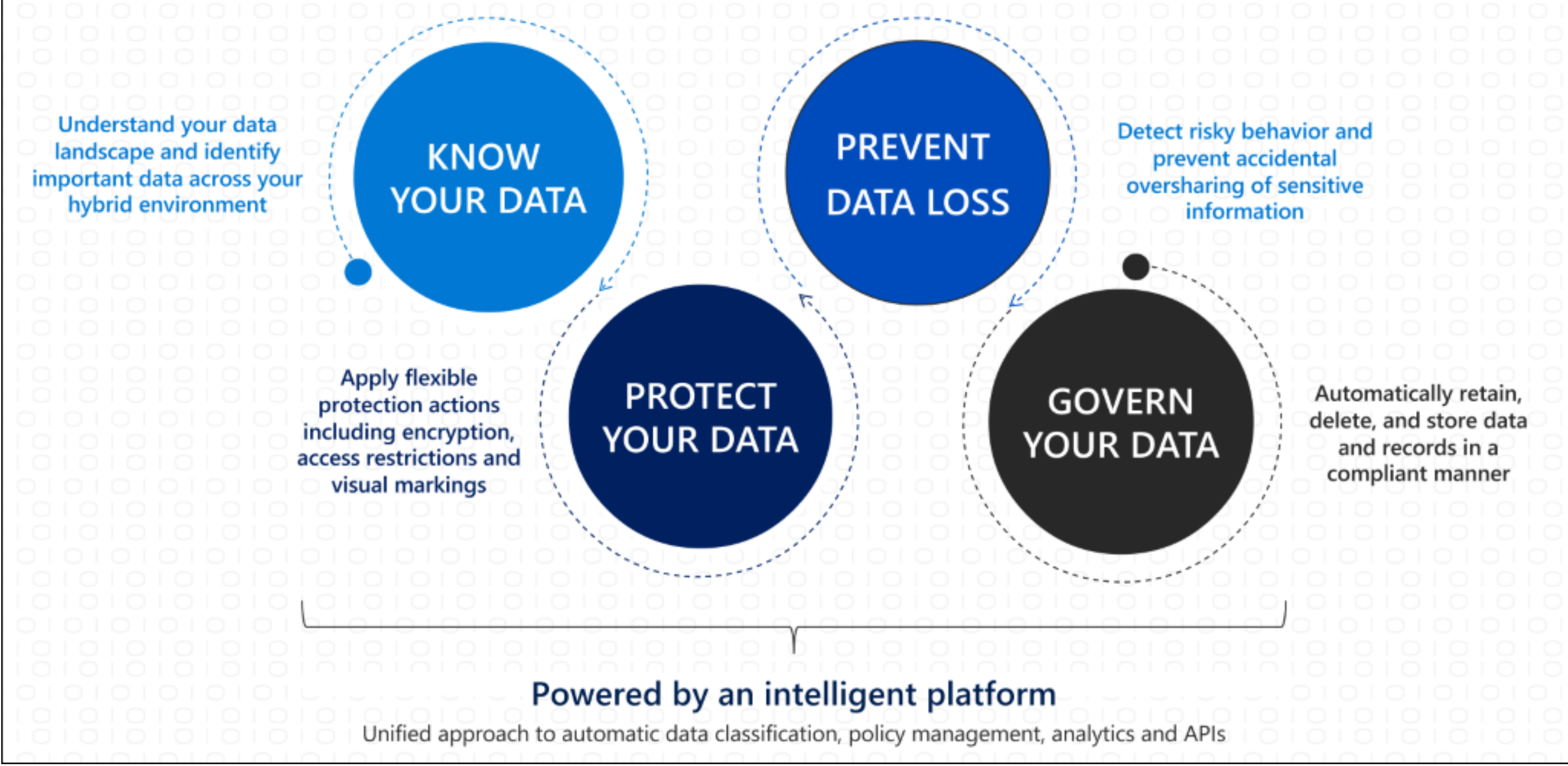


purview.microsoft.com

Why do we need a solution like Microsoft Purview?

Your AI is only as good as your data.

Good data is at the heart of good AI.


Understand your data landscape and identify important data across your hybrid environment
KNOW YOUR DATA
PREVENT DATA LOSS
Detect risky behavior and prevent accidental oversharing of sensitive information
Apply flexible protection actions including encryption, access restrictions and visual markings
PROTECT YOUR DATA
GOVERN YOUR DATA
Automatically retain, delete, and store data and records in a compliant manner
Powered by an intelligent platform
Unified approach to automatic data classification, policy management, analytics and APIs



Know your data





https://www.pexels.com/photo/bird-s-eye-view-photography-of-islands-1268869/



https://www.pexels.com/photo/nickajack-lake-2519380/



https://www.pexels.com/photo/rock-formations-on-a-body-of-water-2421608/



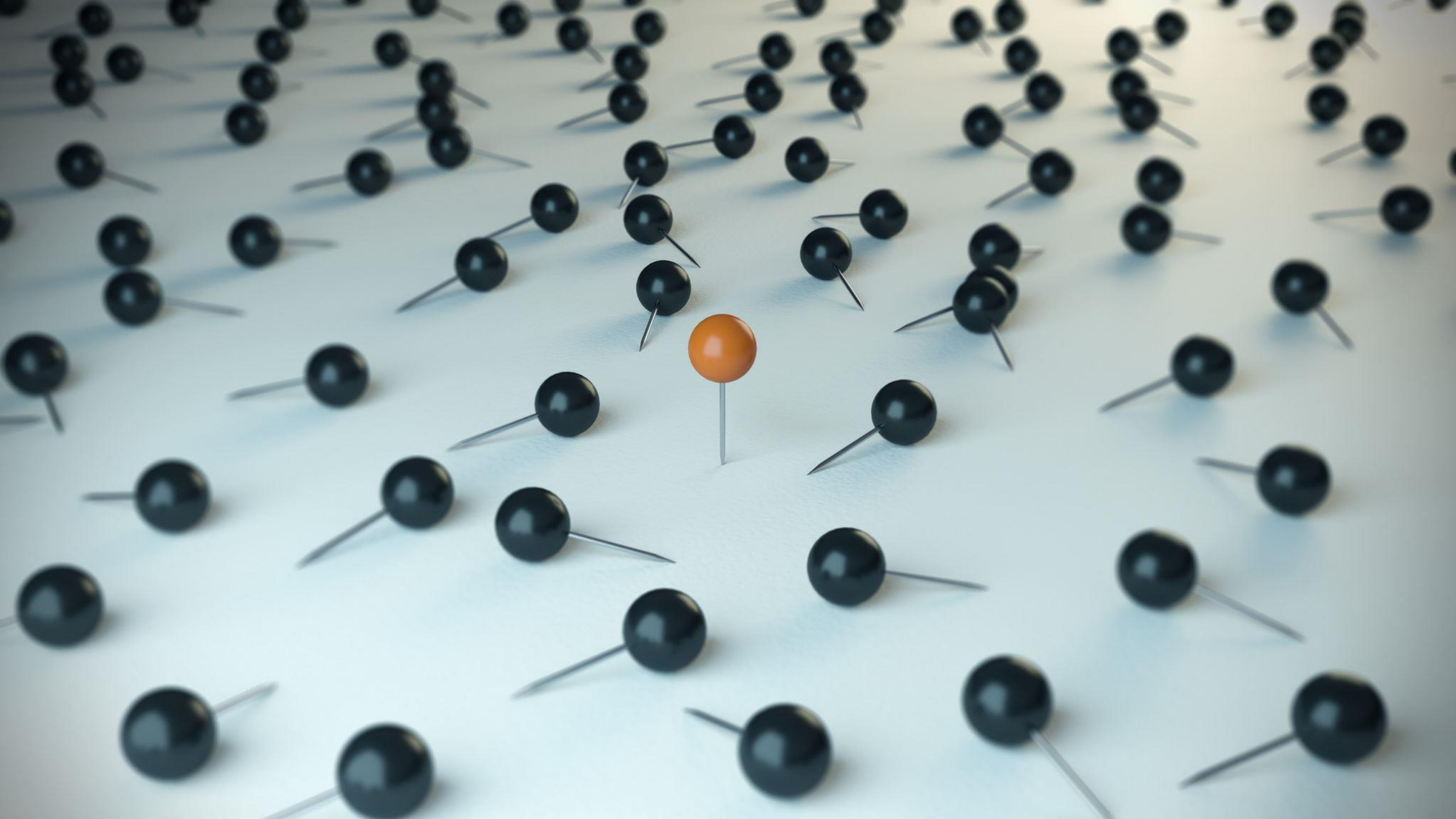
https://www.pexels.com/photo/person-holding-compass-in-forest-1125272/

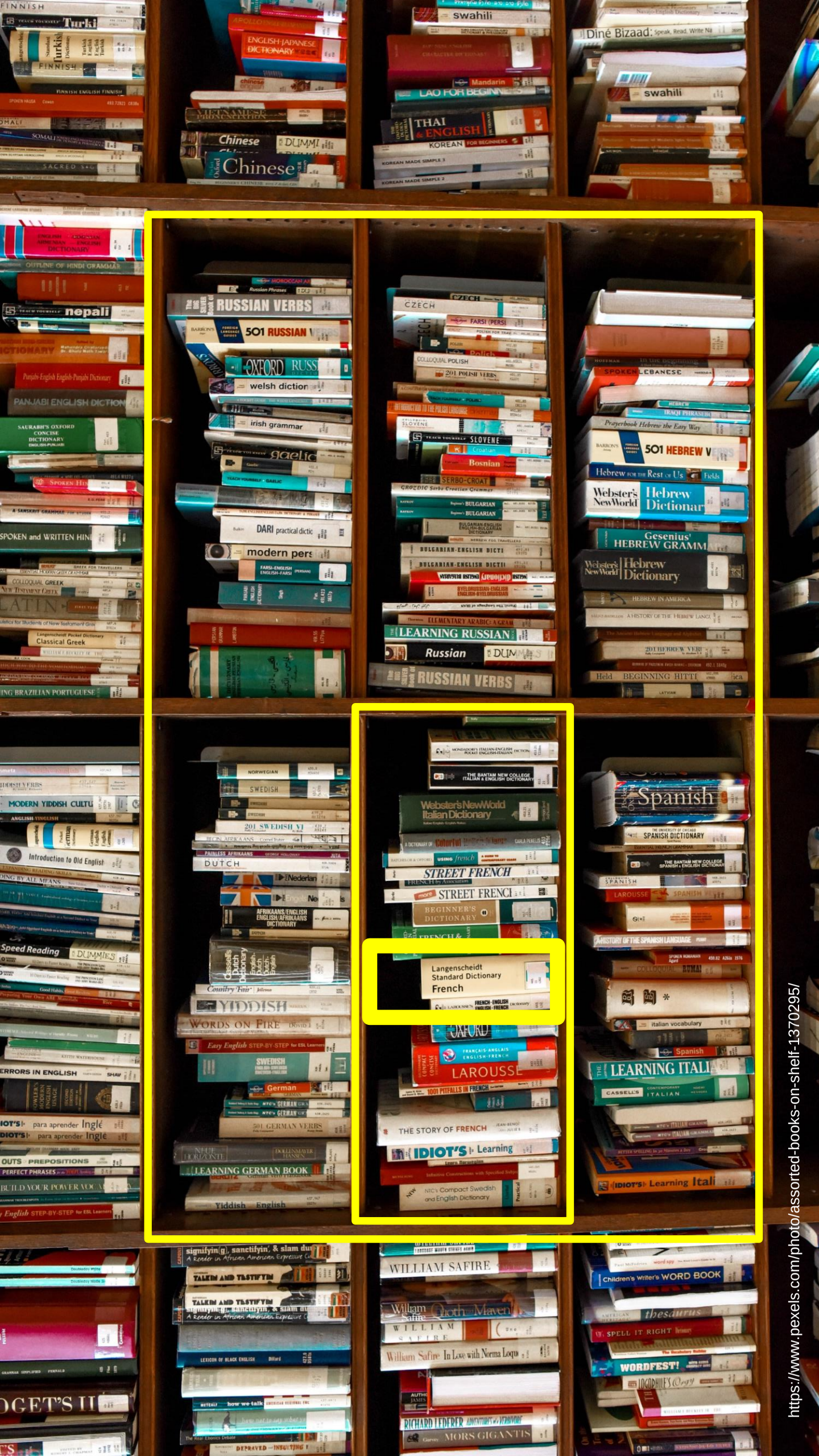


https://www.pexels.com/photo/beige-analog-compass-697662/



https://www.pexels.com/photo/pile-of-covered-books-159751/





https://www.pexels.com/photo/assorted-books-on-shelf-1370295/

Data about your Data

Meta Data



MS Designer helped

Metadata in Microsoft Purview

Classifications

Sensitivity Labels

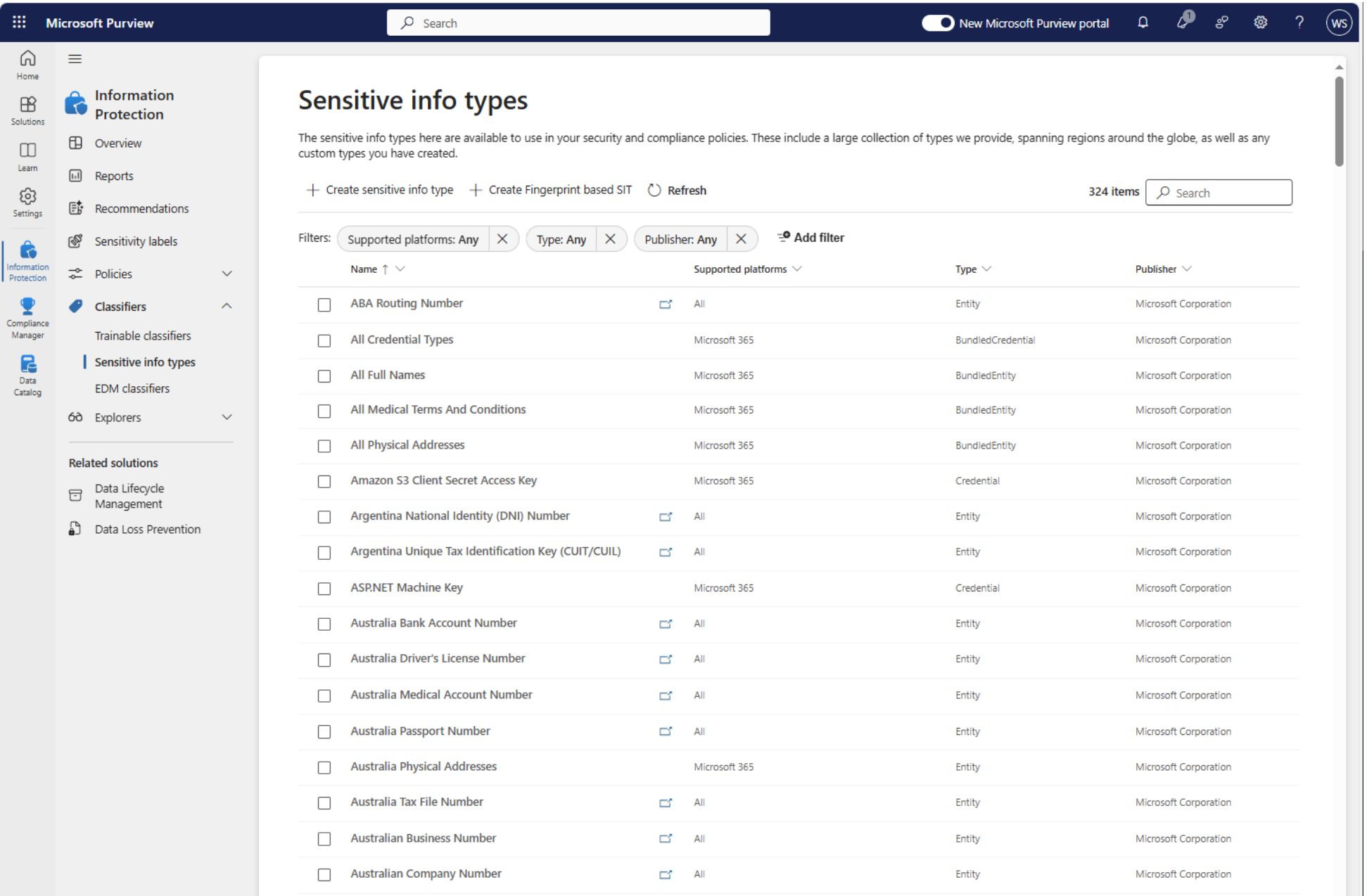
Responsibility

Business Glossary

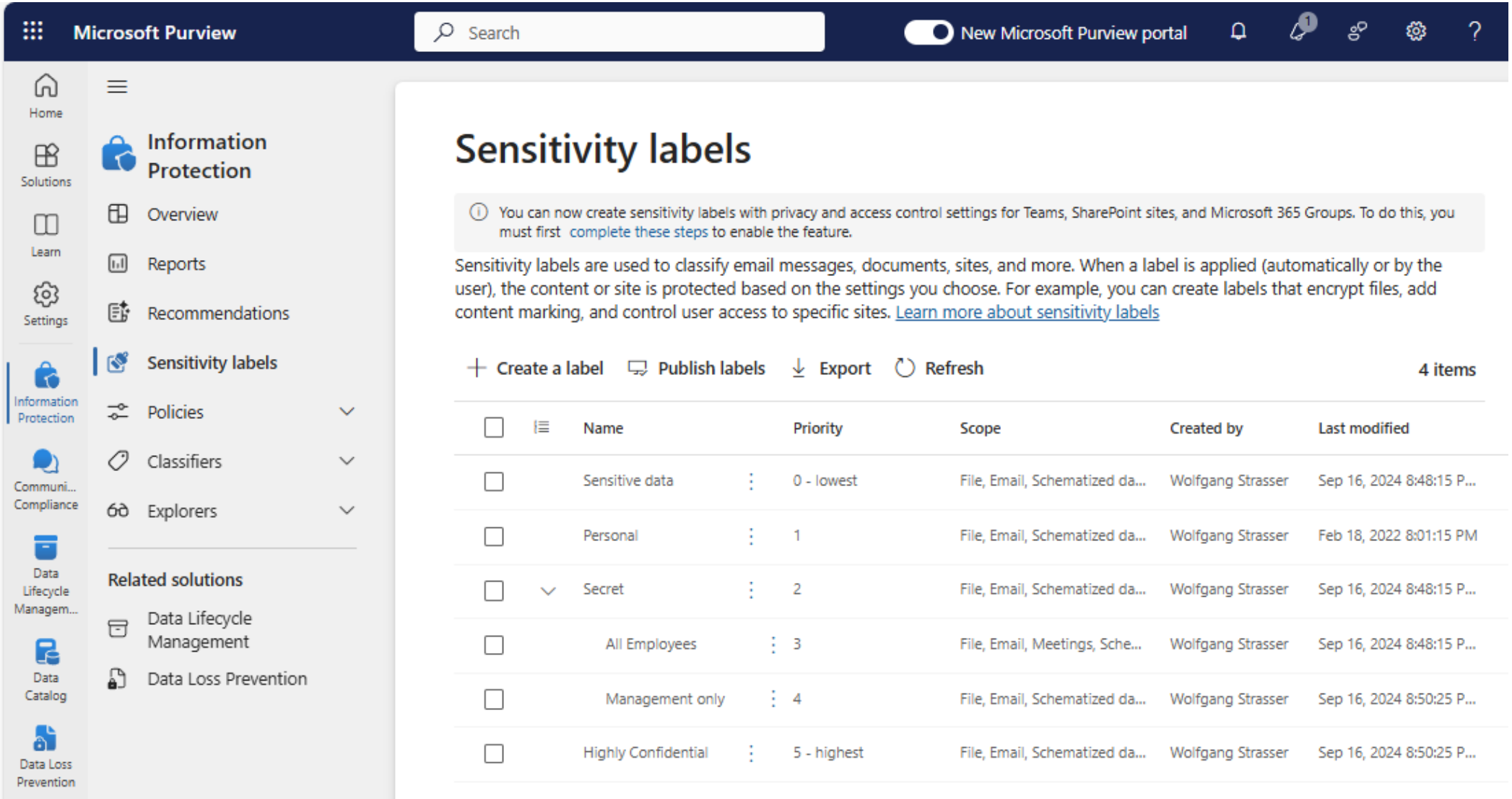
….

(additional) properties

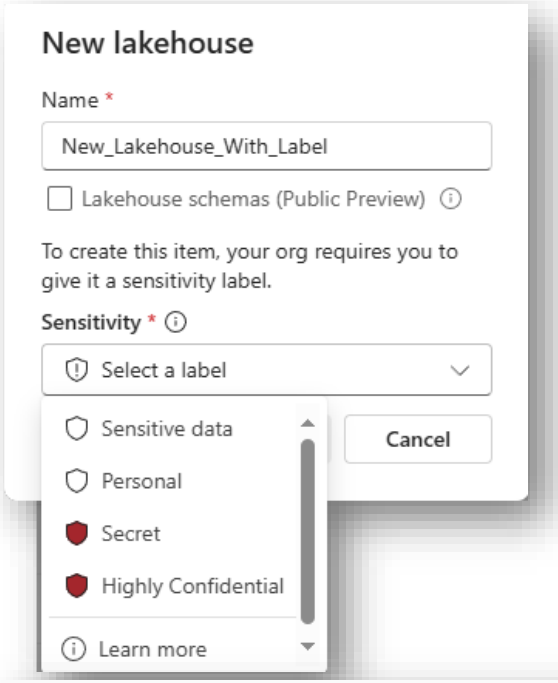
Sensitive Info Types

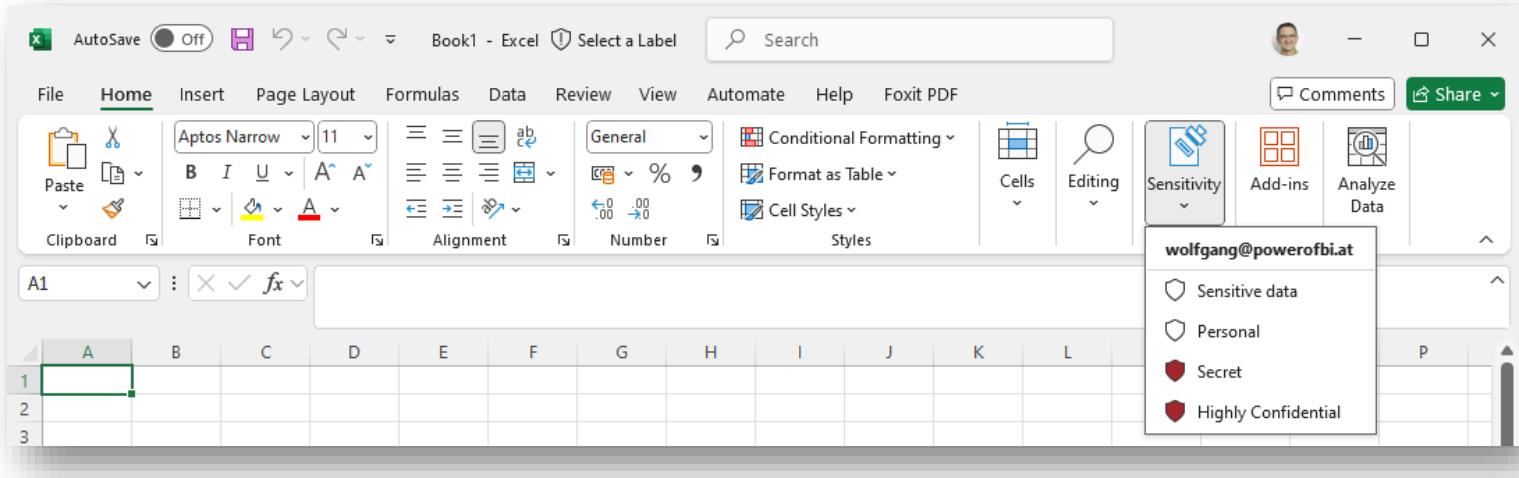


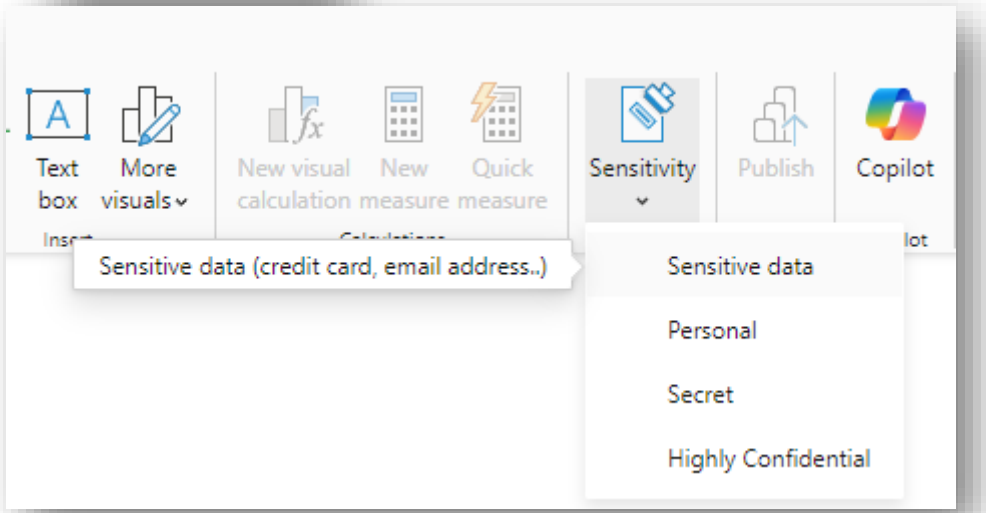
Sensitivity Labels

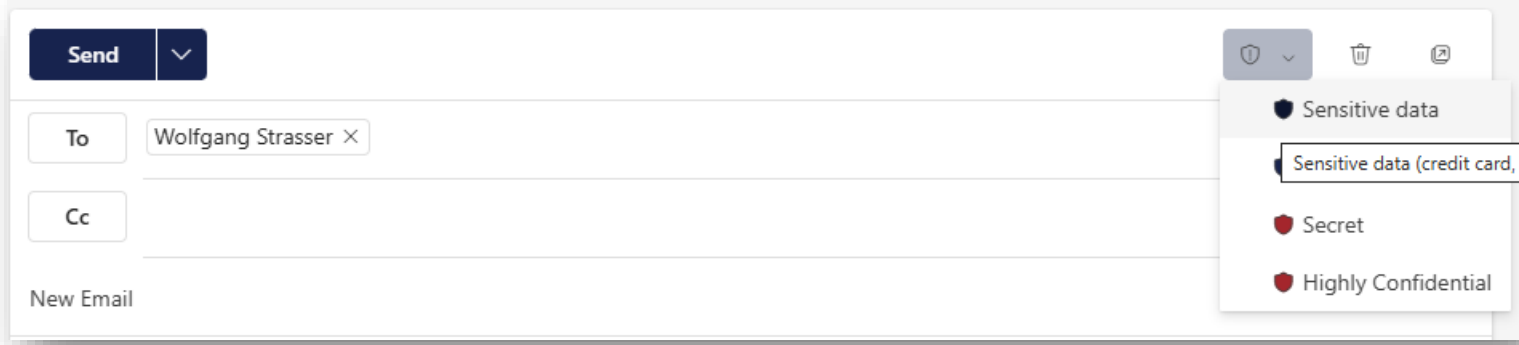


Sensitivity Labels in ..
Fabric / Powr BI Desktop / Office / Emails / ...

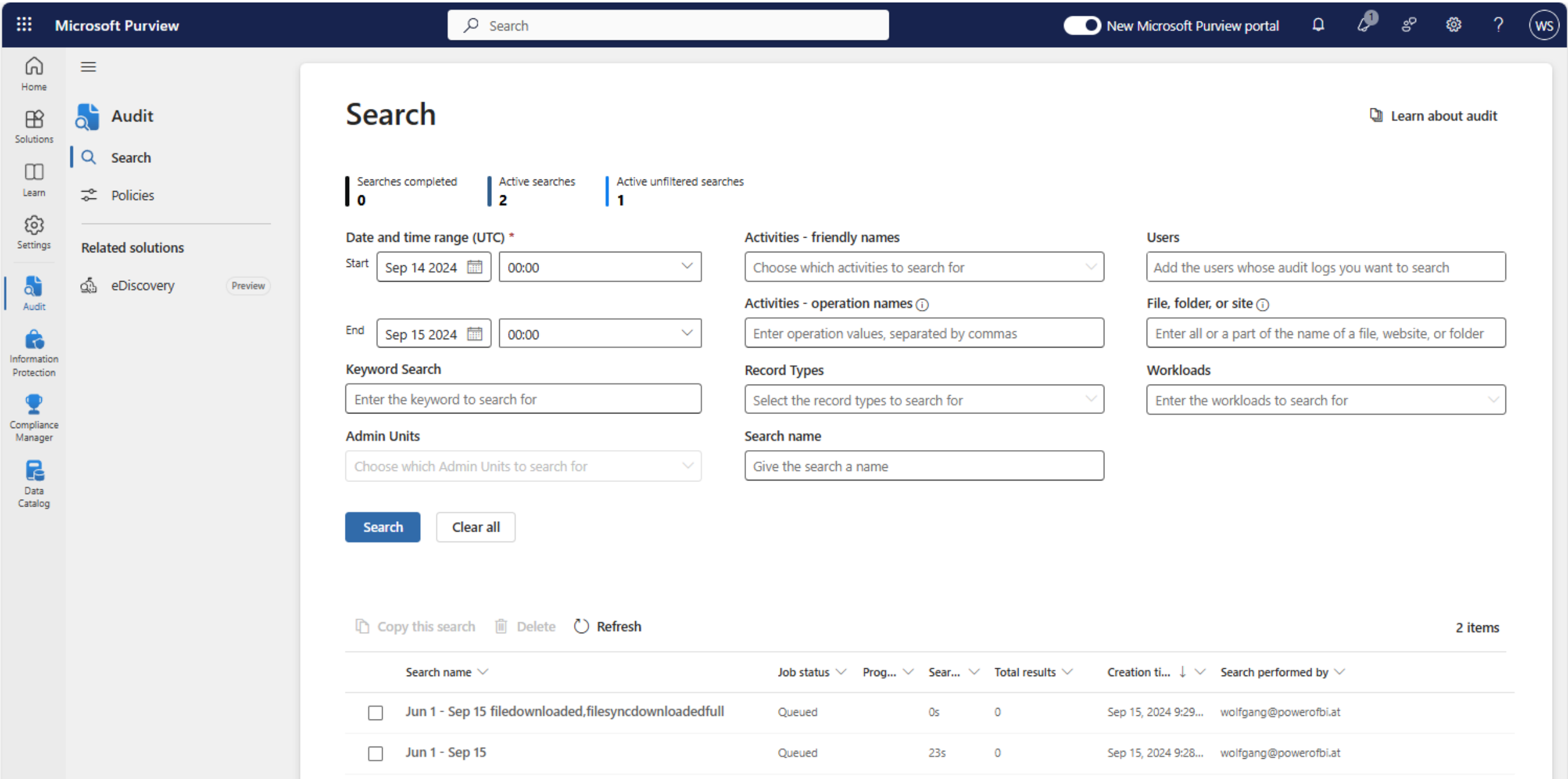




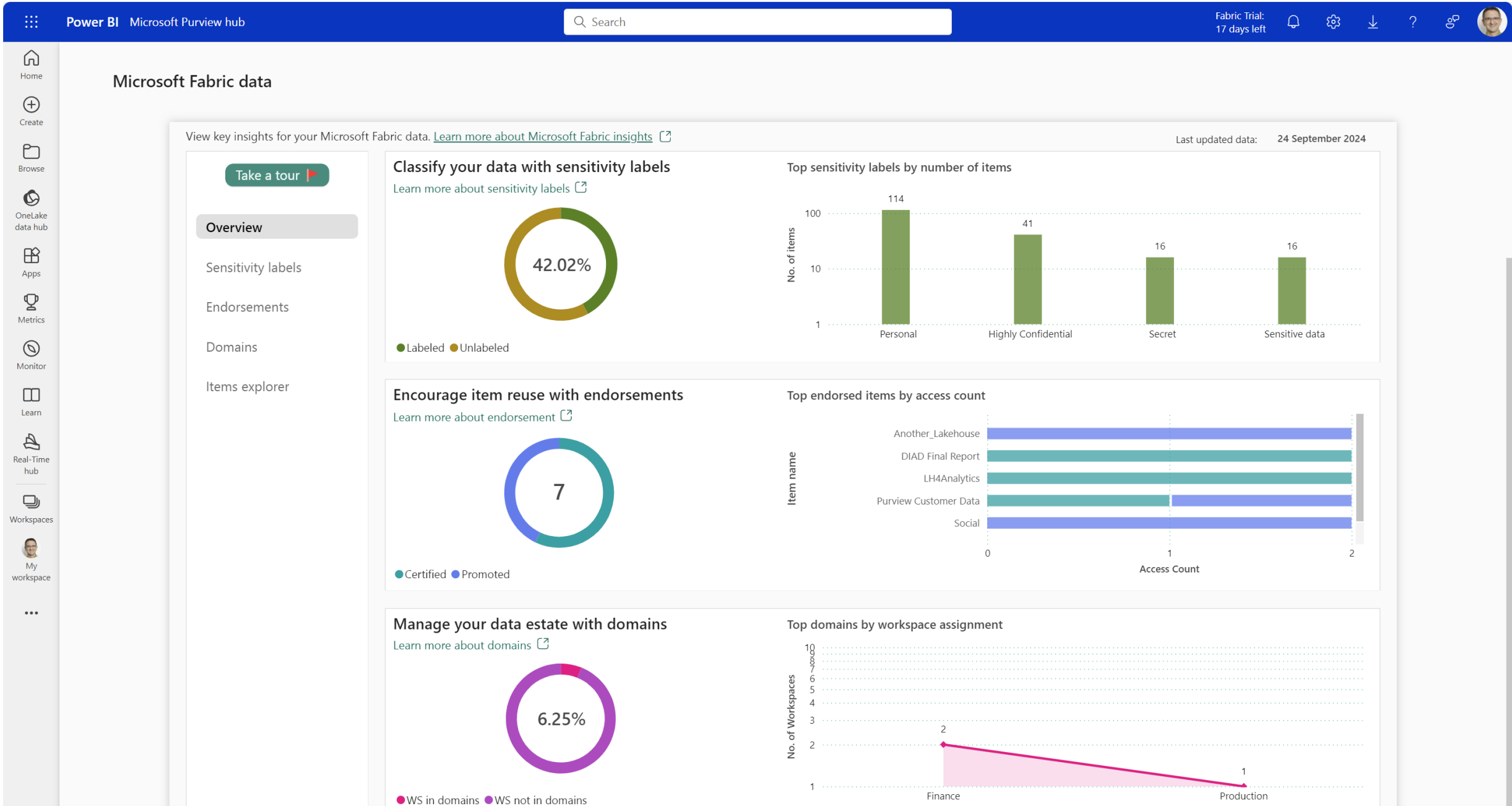




Microsoft Purview Audit



Purview Hub in Fabric





Protect your data

Metadata + Policies

Sensitivity labels

You can now create sensitivity labels with privacy and access control settings for Teams, SharePoint sites, and Microsoft 365 Groups. To do this, you must first complete these steps to enable the feature.

Sensitivity labels are used to classify email messages, documents, sites, and more. When a label is applied (automatically or by the user), the content or site is protected based on the settings you choose. For example, you can create labels that encrypt files, add content marking, and control user access to specific sites. Learn more about sensitivity labels

+ Create a label | Publish labels | Export | Refresh | 4 items

Name
Sensitive data
Personal
Secret
All Employees
Management on
Highly Confidential

Auto-labeling

If your role group permissions are restricted to a specific set of users or groups, you'll only be able to manage polic

Create auto-labeling policies to automatically apply sensitivity labels to email messages or OneDrive and correct items, you'll first run policies in simulation mode so you can review items that will be labeled whe Office client apps by editing the "Auto-labeling" settings for a specific label. Learn more about auto-labe

+ Create auto-labeling policy | Refresh

Name	Locations	Label applied
Simulation (2)		
Sensitive data auto-labeling policy	Exchange, SharePoint, O...	Sensitive data
Highly Confidential auto-labeling policy	Exchange, SharePoint, O...	Highly Confidential

Edit policy

- Labels to publish
- Admin units
- Users and groups
- **Settings**
- Name
- Finish

Policy settings

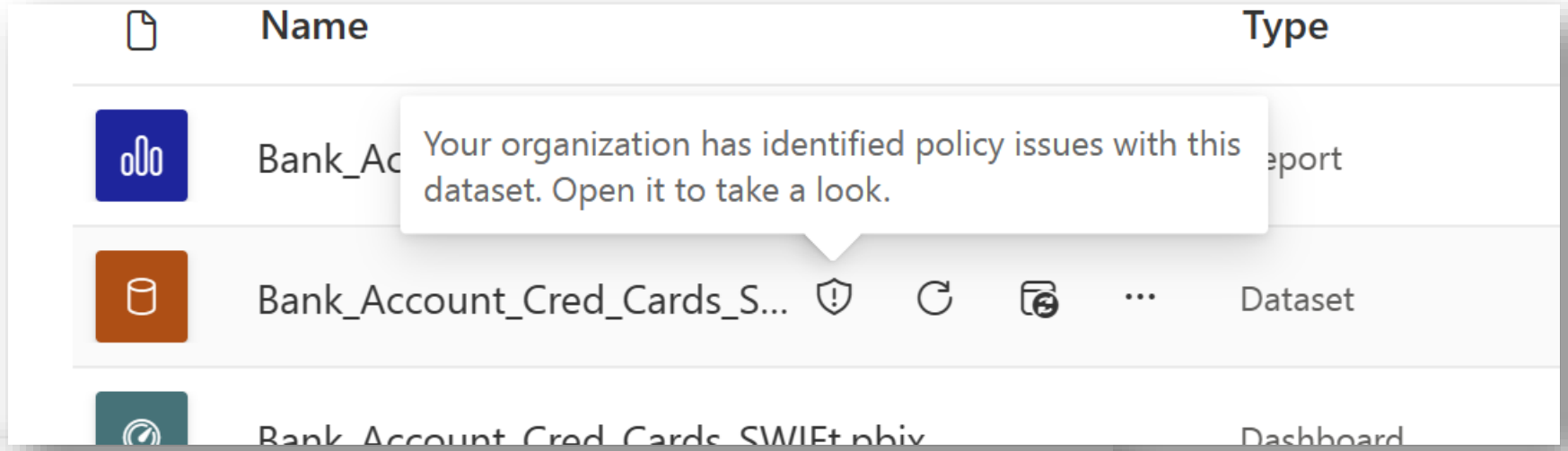
Configure settings for the labels included in this policy.

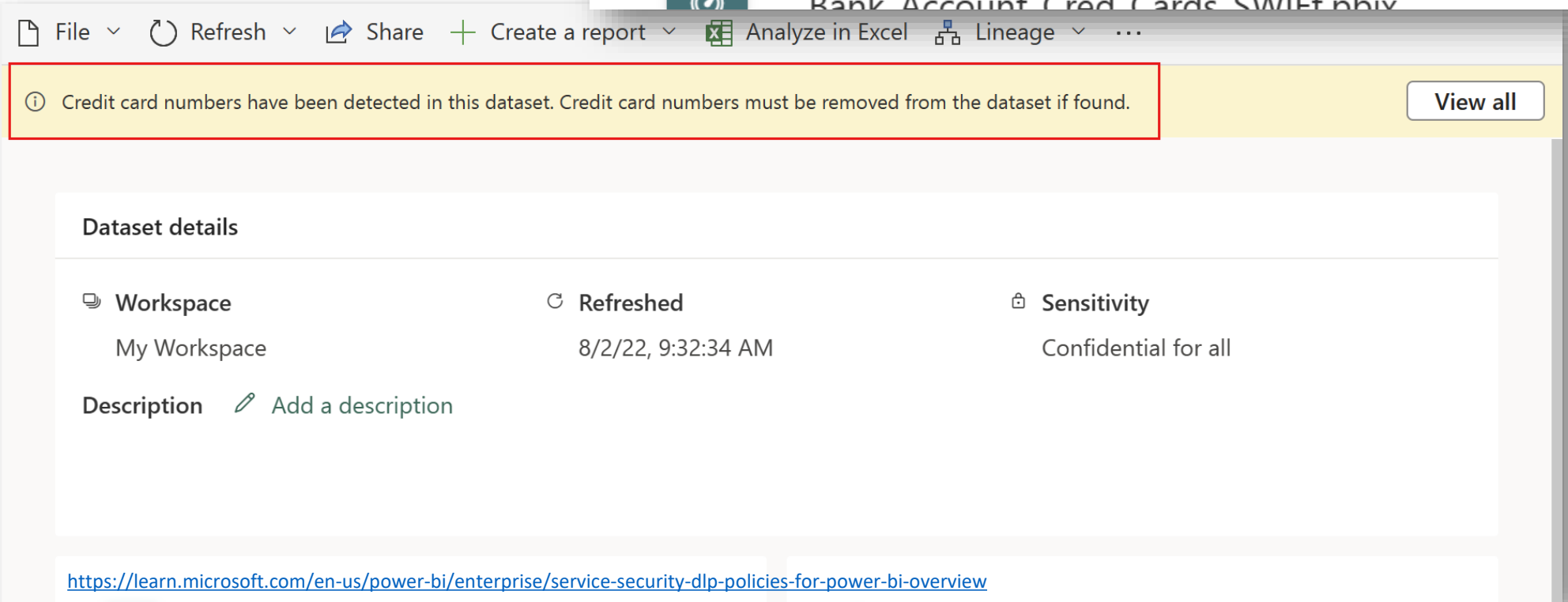
- [x] **Users must provide a justification to remove a label or lower its classification**
  Users will need to provide a justification before removing a label or replacing it with one that has a lower-order number. You can use activity explorer to review label changes and justification text.
- [x] **Require users to apply a label to their emails and documents**
  Users will be required to apply labels before they can save documents or send emails (only if these items don't already have a label applied).
  Support and behavior for this setting varies across apps and platforms. Learn more about managing sensitivity labels
- [x] **Require users to apply a label to their Power BI content**
  Users will be required to apply labels to unlabeled content they create or edit in Power BI. Learn more about mandatory labeling in Power BI
- [ ] **Provide users with a link to a custom help page**
  If you created a website dedicated to helping users understand how to use labels in your org, enter the URL here. Learn more about this help page



Prevent Data Loss

Microsoft Data Loss Prevention (in Fabric)





https://learn.microsoft.com/en-us/power-bi/enterprise/service-security-dlp-policies-for-power-bi-overview

Home
Create
Browse
OneLake data hub
Monitoring hub
Workspaces
Contoso Finance
...
Data Engineering

Contoso Finance

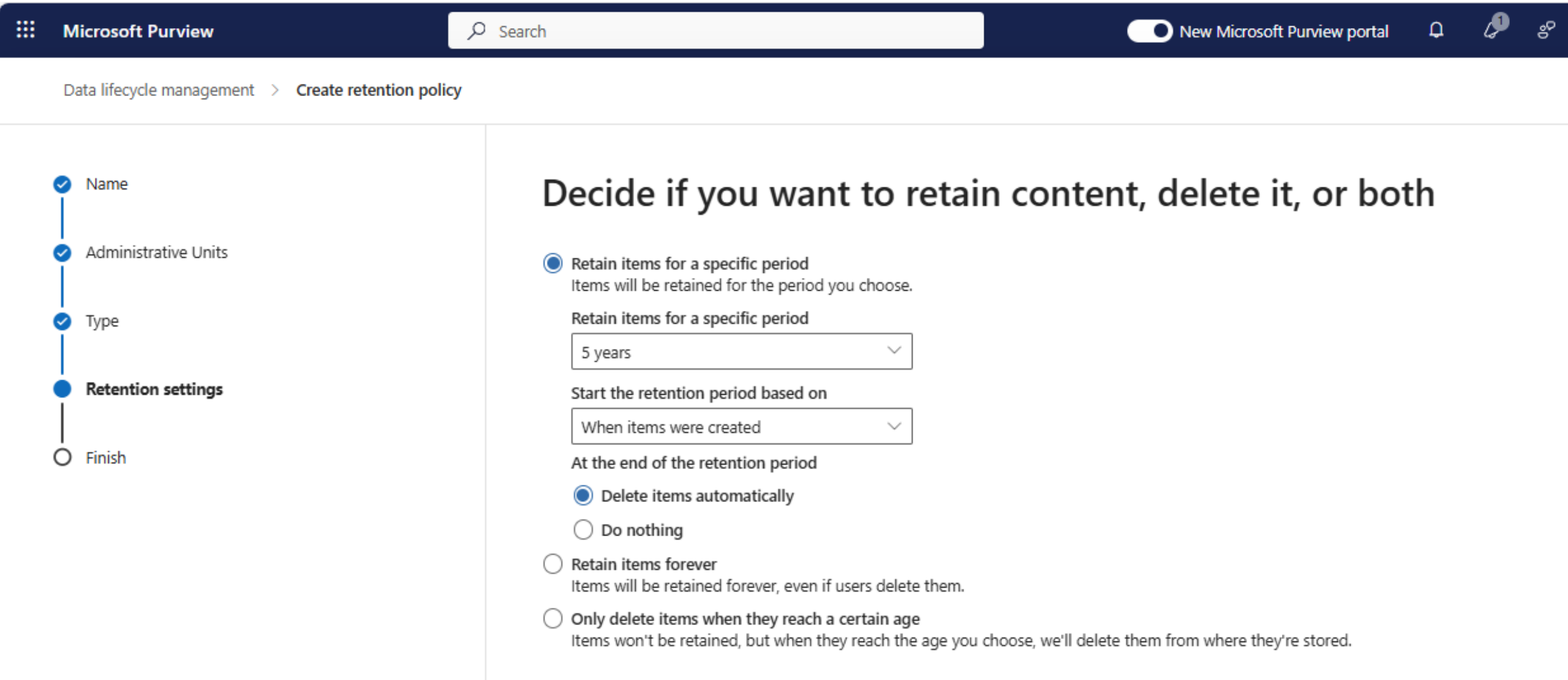
This is a demo workspace meant to showcase FSI data

Create deployment pipeline | Create app | Manage access | Workspace settings

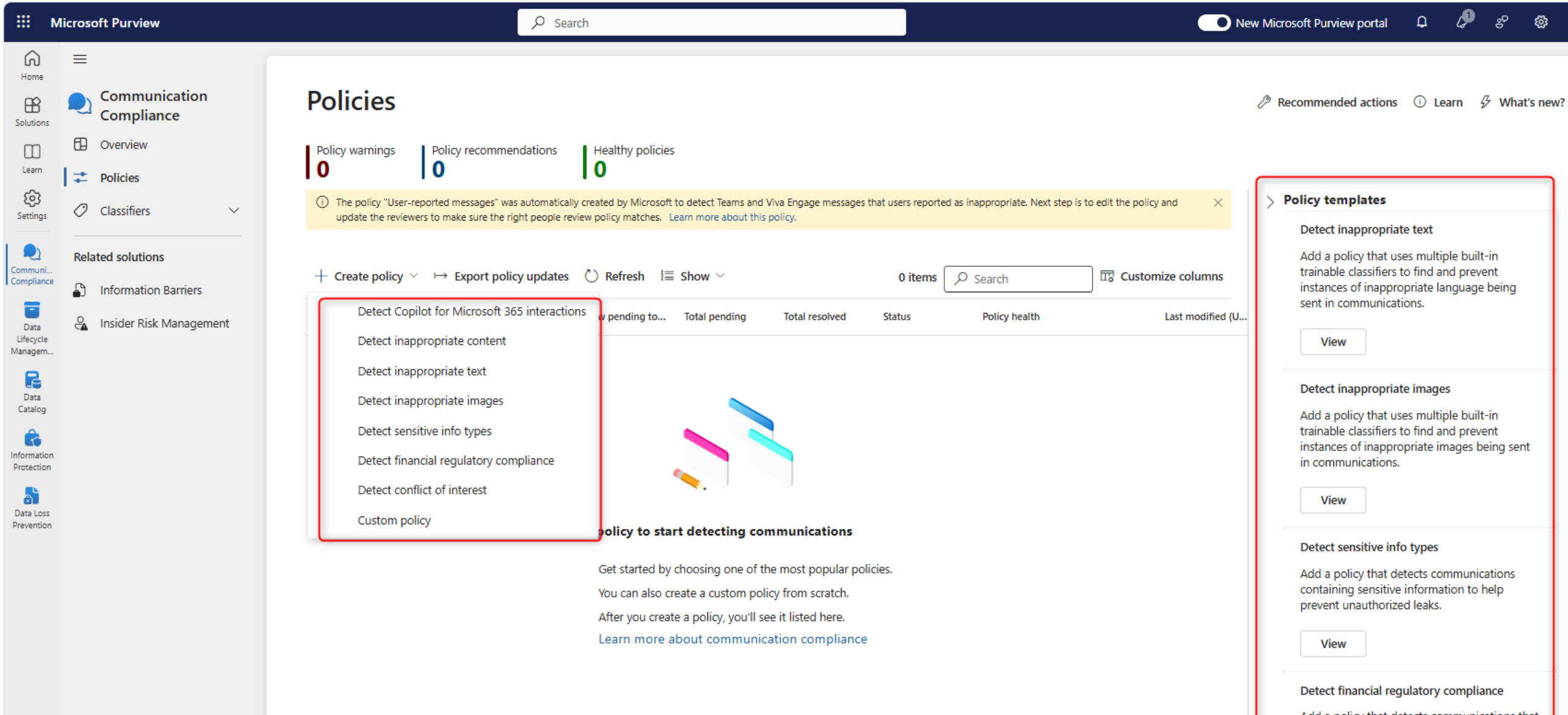
New | Upload | Filter by keyword | Filter

Name	Type	Task	Owner	Refreshed	Next refresh	Endorsement	Ser
DataflowsStagingLakehouse	Lakehouse		Admin 03DXT	—	—	—	Ger
DataflowsStagingLakehouse	Semantic model (...		Contoso Finance	3/20/24, 11:33:07 AM	N/A	—	Ger
DataflowsStagingLakehouse	SQL analytics end...		Contoso Finance	—	N/A	—	Ger
DataflowsStagingWarehouse	Warehouse		Admin 03DXT	—	N/A	—	Ger
DataflowsStagingWarehouse	Semantic model (...		Contoso Finance	3/20/24, 11:33:07 AM	N/A	—	Ger

Microsoft Purview Data Lifecycle Management



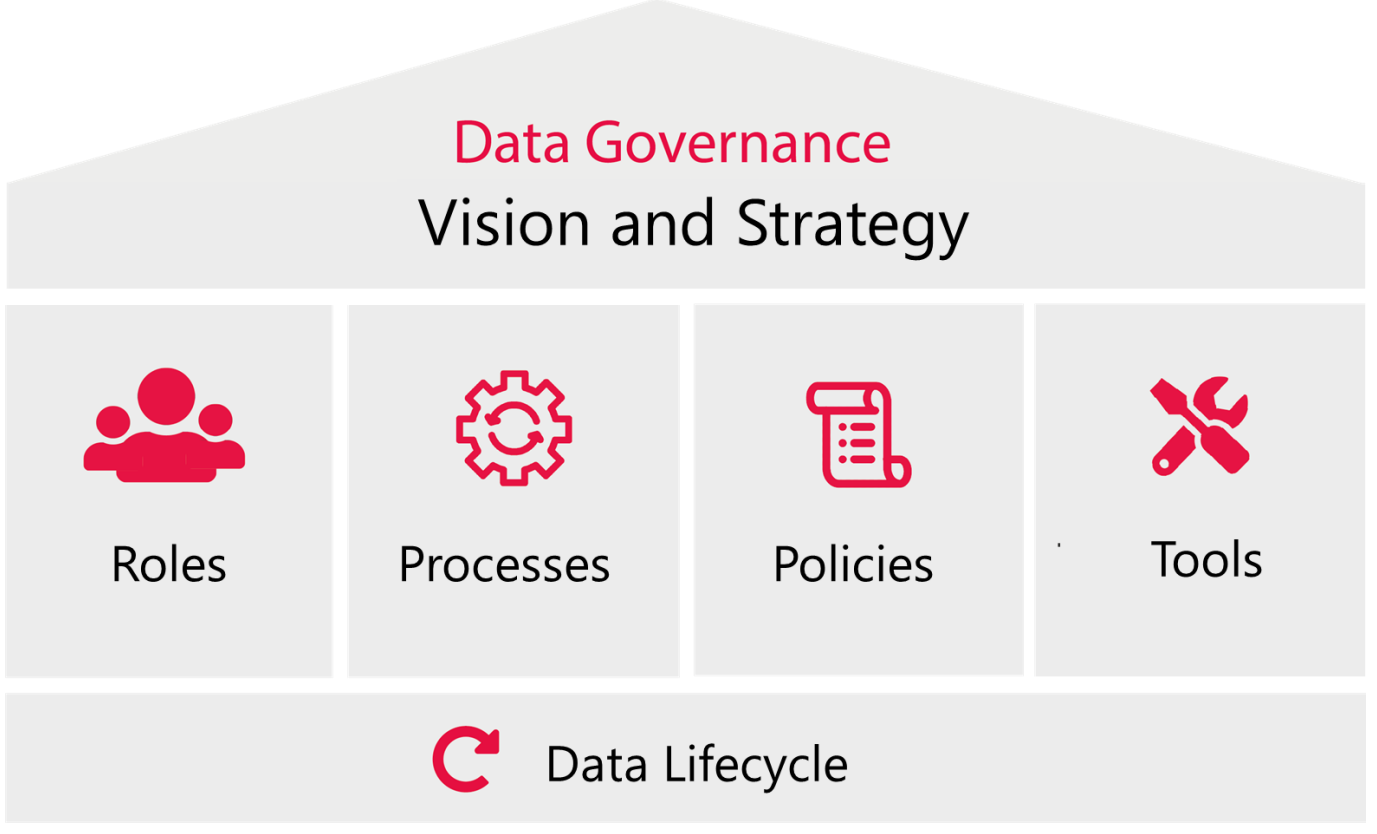
Prevent Reputation Loss





Govern your Data

Data Governance

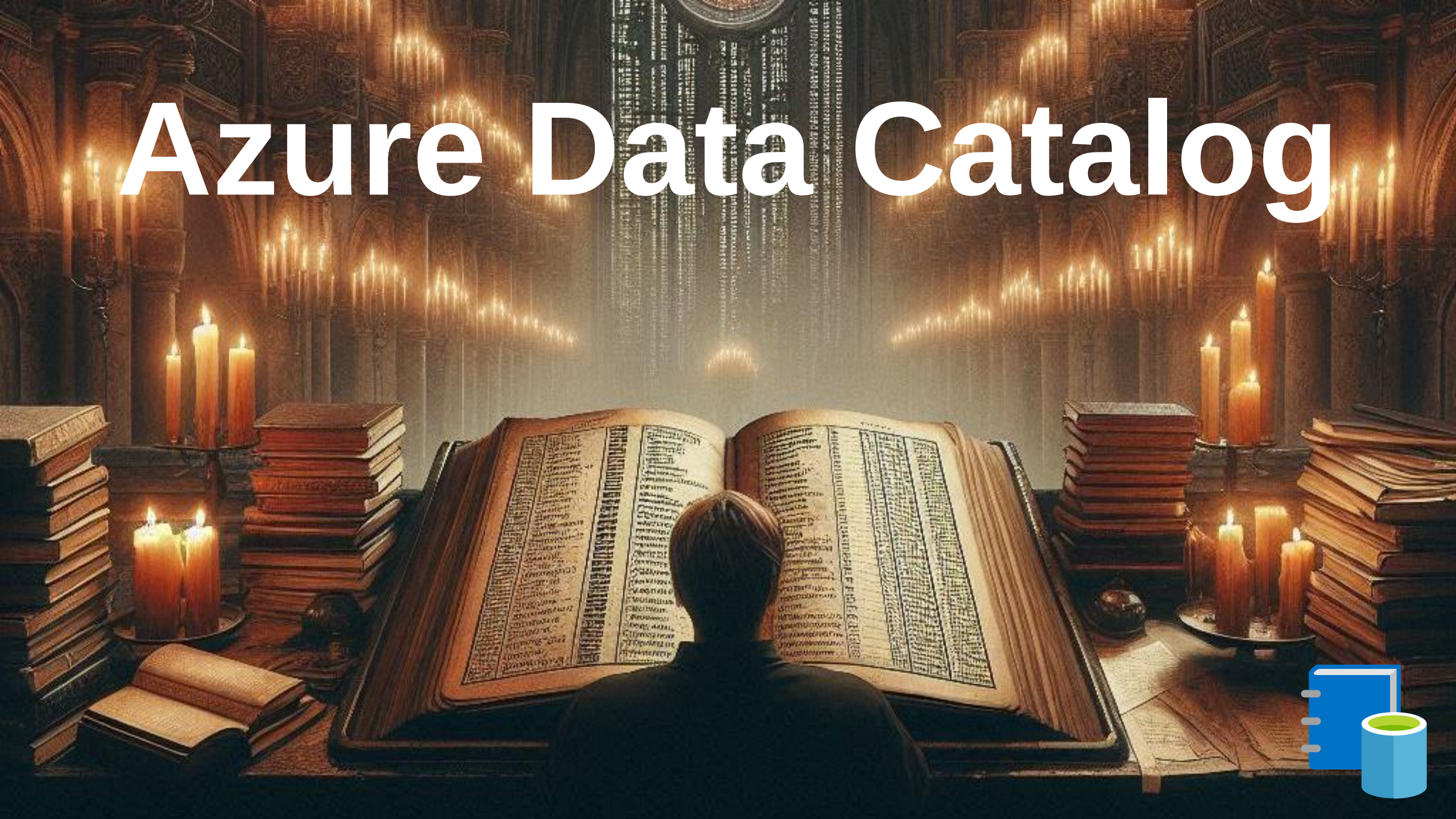


#TreatYourDataBetter

Microsoft Purview

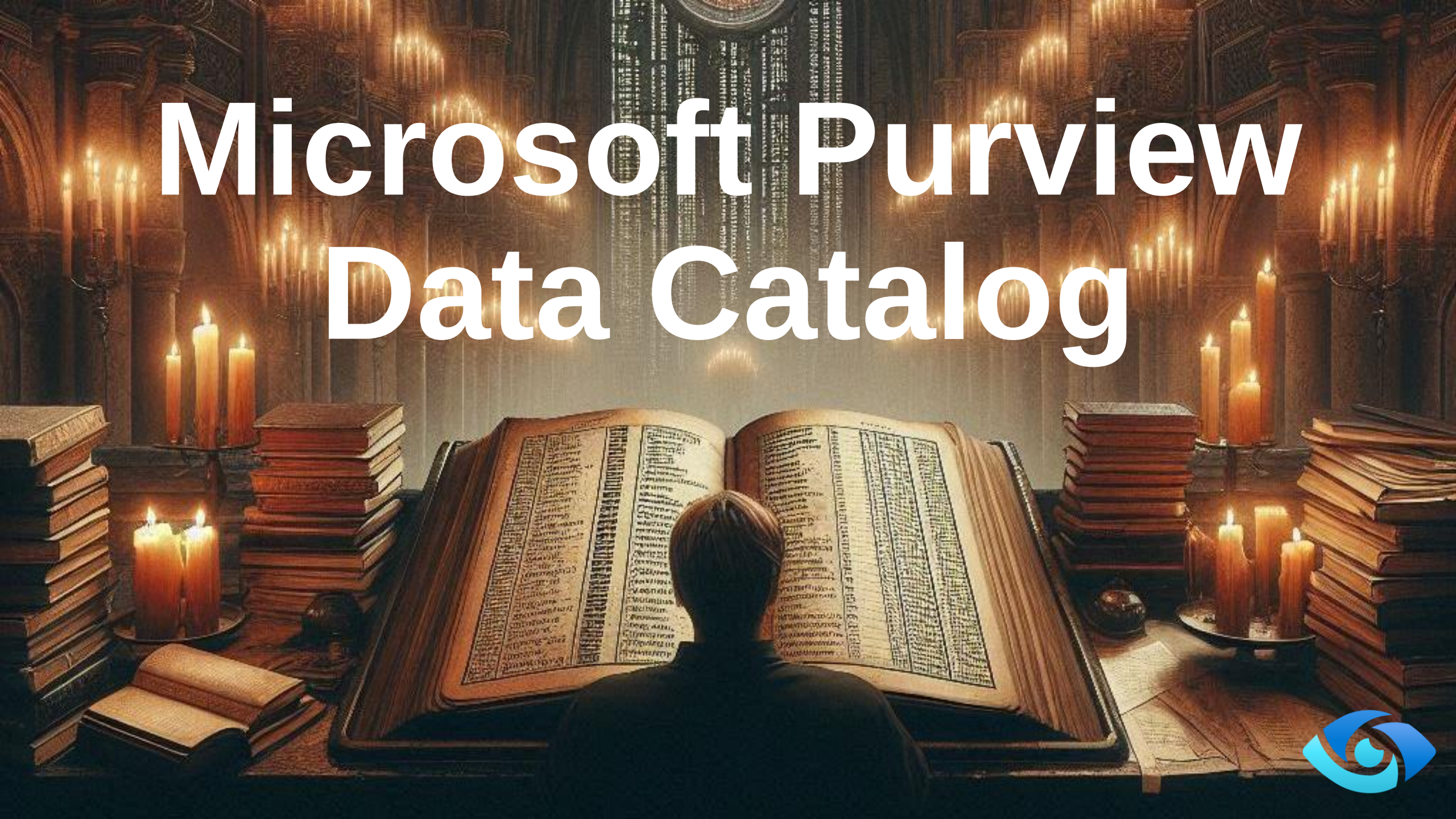


Azure Data Catalog



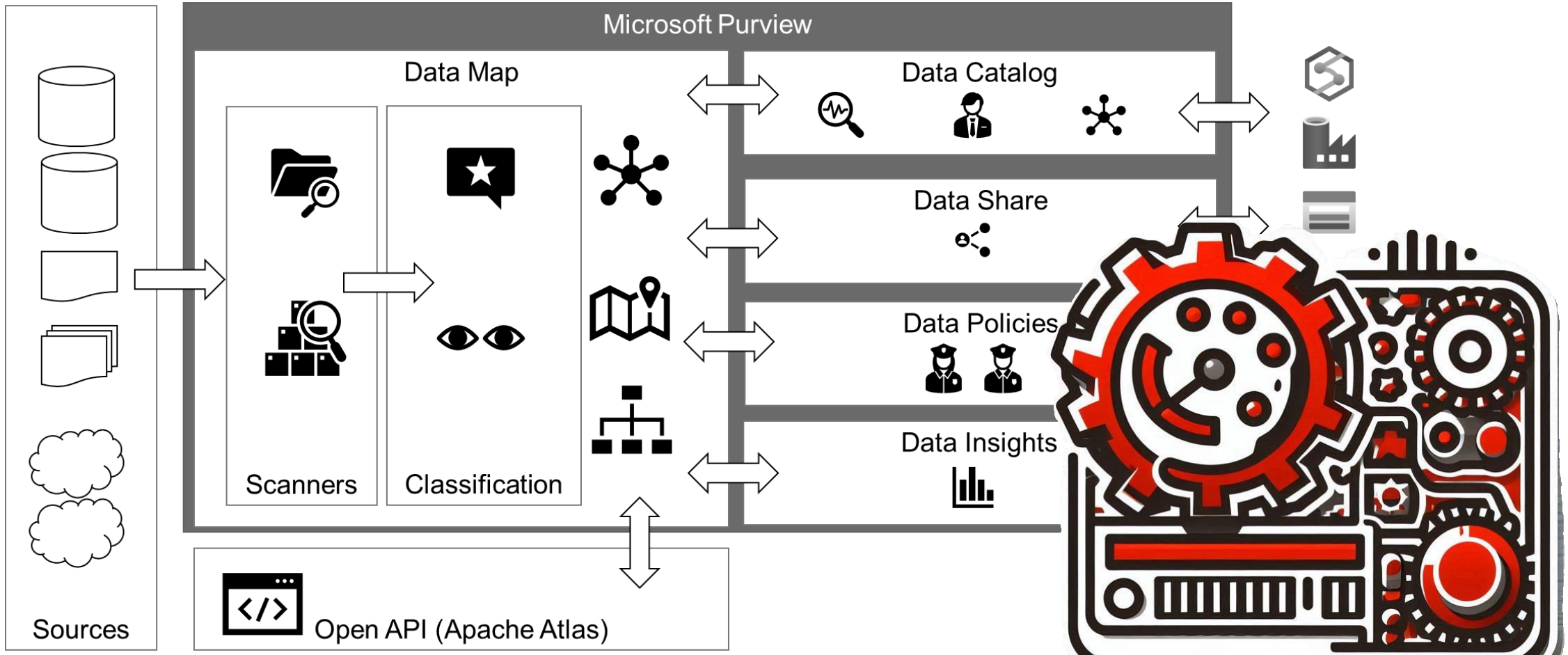
Azure Purview



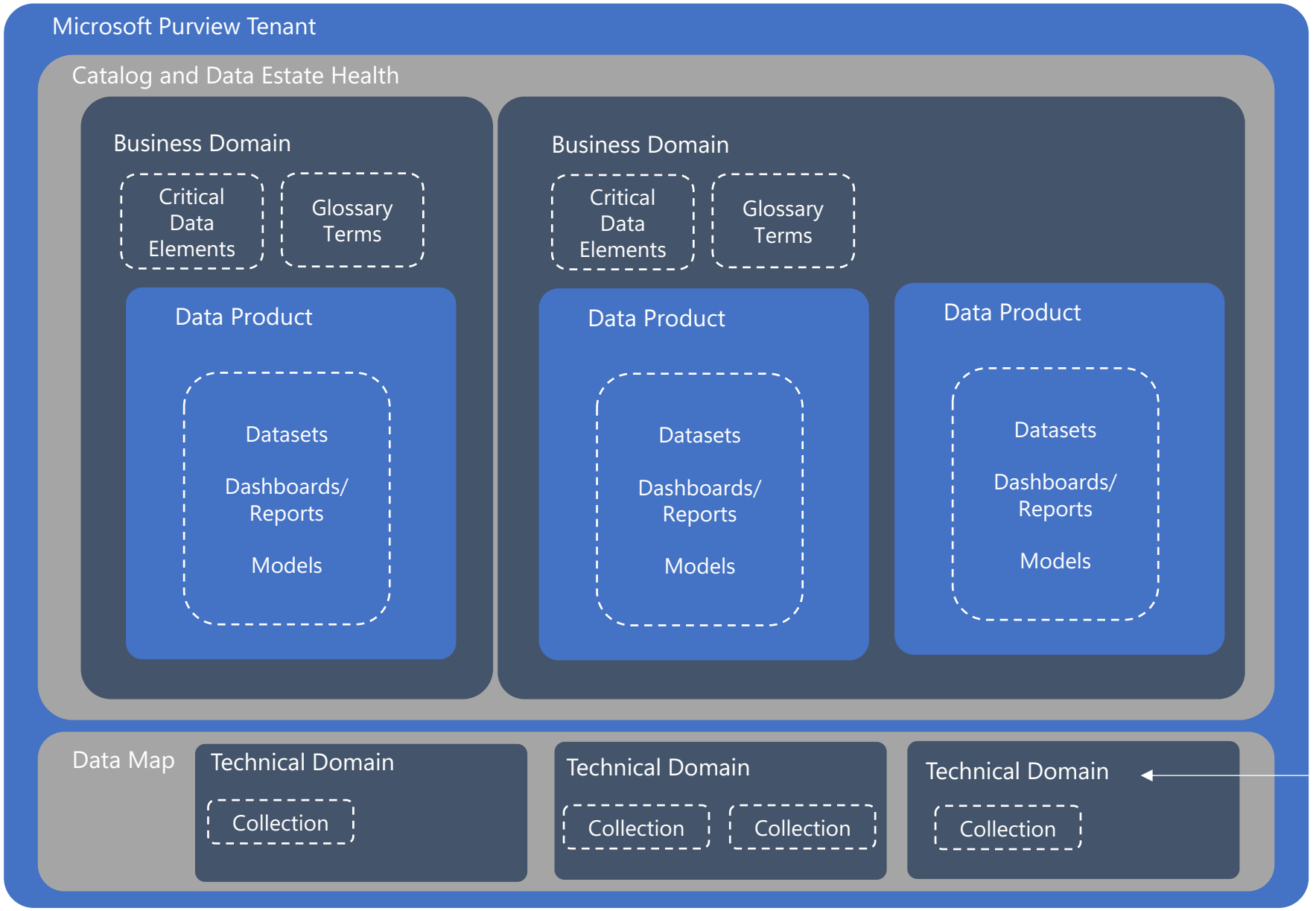

Microsoft Purview
Data Catalog


Microsoft Purview
Data Governance

From a technical data catalog to a Data Governance solution



The new Purview Data Governance Experience



Technical Domains are Previously Purview “Accounts” and each tenant may have up to 5 technical domains.

Concepts

Governance Domains

Data Products

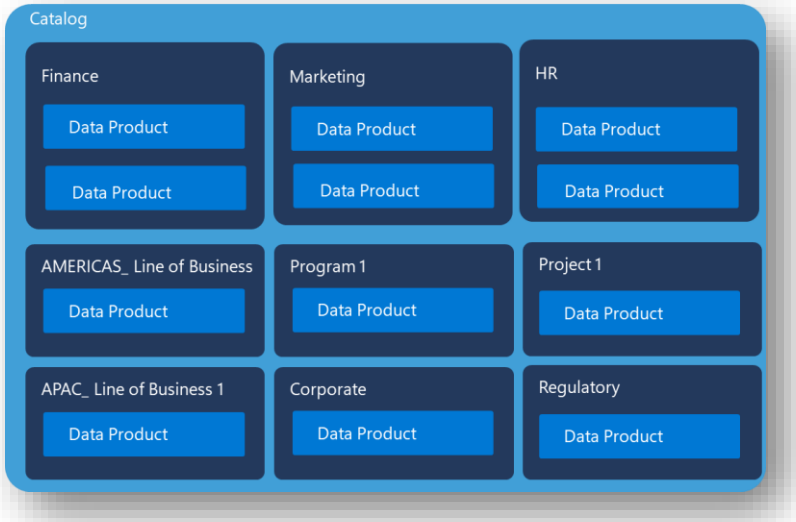
Objective Key Results (OKRs)

Critical Data Elements (CDE)

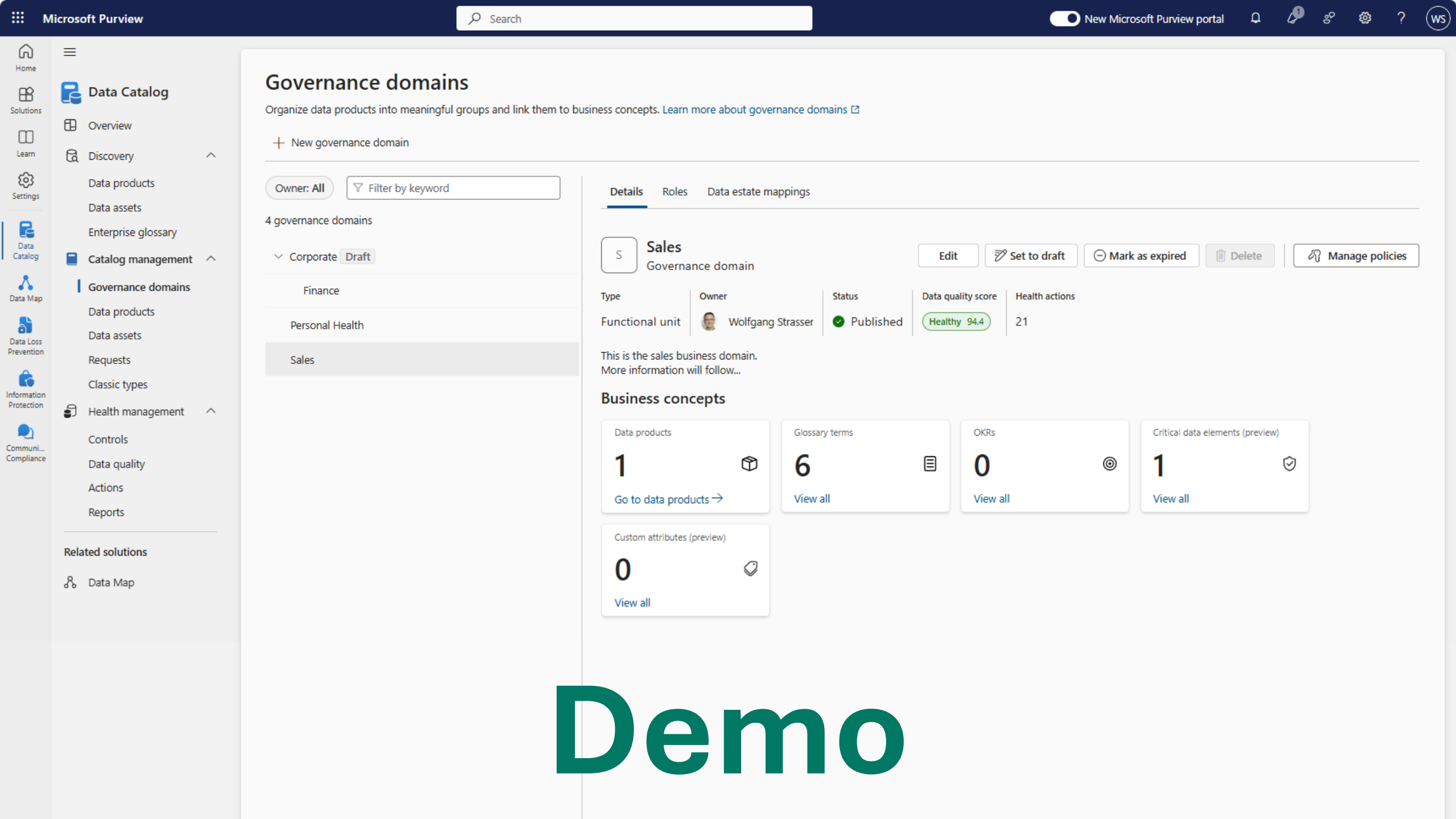
Glossary Terms

Data Quality

Health Management

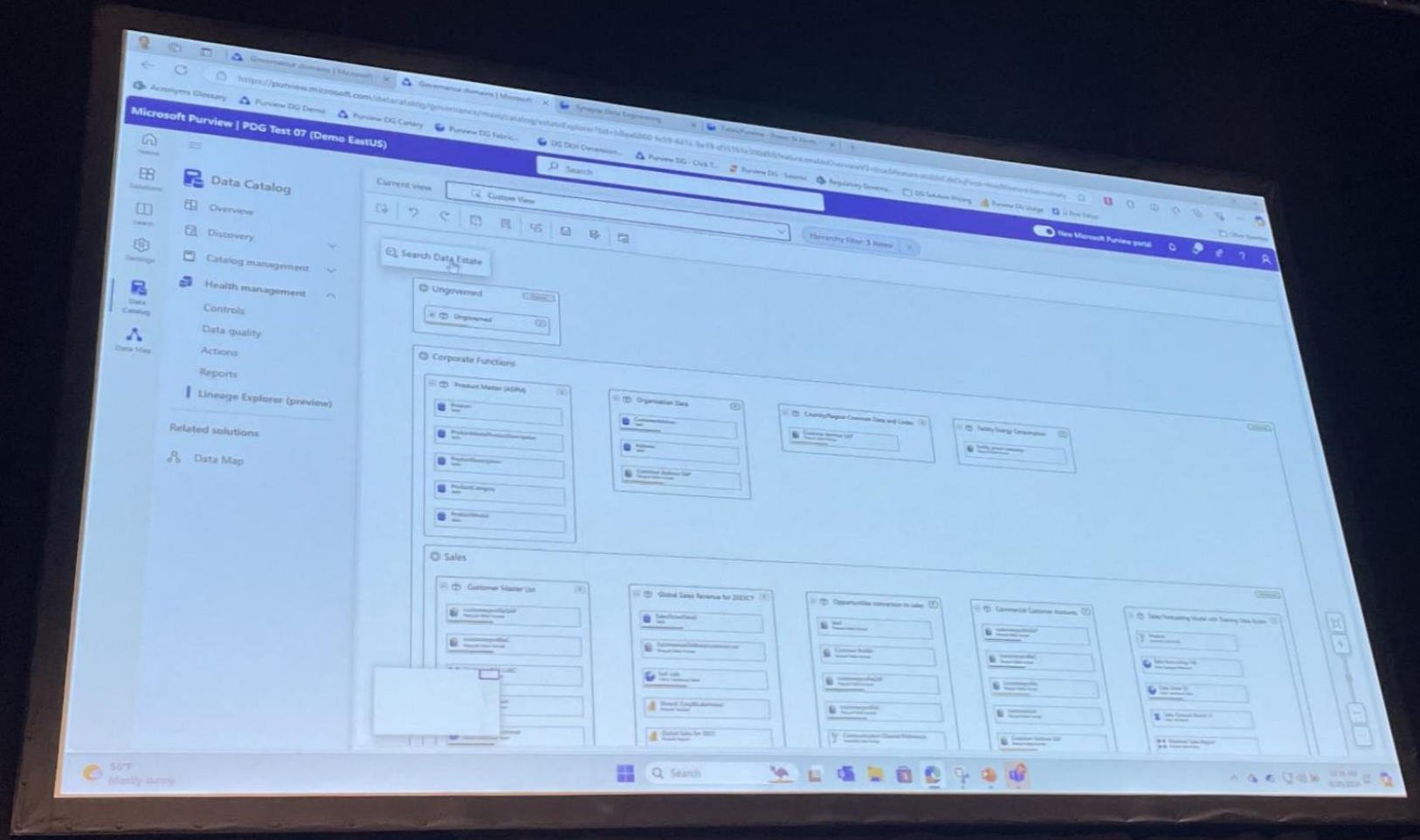




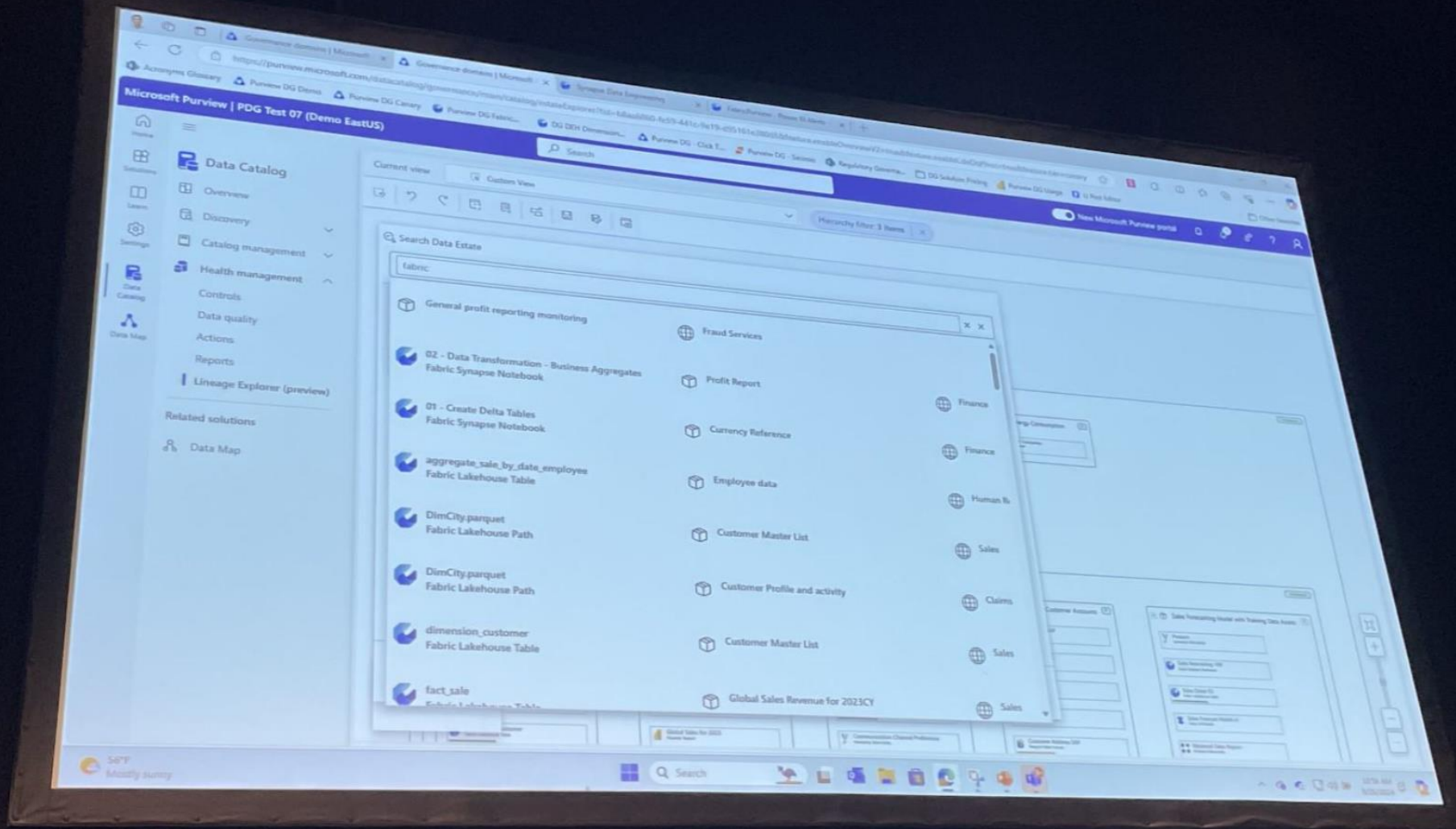

Microsoft Purview
Search
New Microsoft Purview portal
WS
Home
Solutions
Learn
Settings
Data Catalog
Data Map
Data Loss Prevention
Information Protection
Communi... Compliance
Data Catalog
Overview
Discovery
Data products
Data assets
Enterprise glossary
Catalog management
Governance domains
Data products
Data assets
Requests
Classic types
Health management
Controls
Data quality
Actions
Reports
Related solutions
Data Map
Governance domains
Organize data products into meaningful groups and link them to business concepts. Learn more about governance domains
New governance domain
Owner: All
Filter by keyword
4 governance domains
Corporate Draft
Finance
Personal Health
Sales
Details
Roles
Data estate mappings
S
Sales
Governance domain
Edit
Set to draft
Mark as expired
Delete
Manage policies
Type
Functional unit
Owner
Wolfgang Strasser
Status
Published
Data quality score
Healthy 94.4
Health actions
21
This is the sales business domain.
More information will follow...
Business concepts
Data products
1
Go to data products
Glossary terms
6
View all
OKRs
0
View all
Critical data elements (preview)
1
View all
Custom attributes (preview)
0
View all
Demo

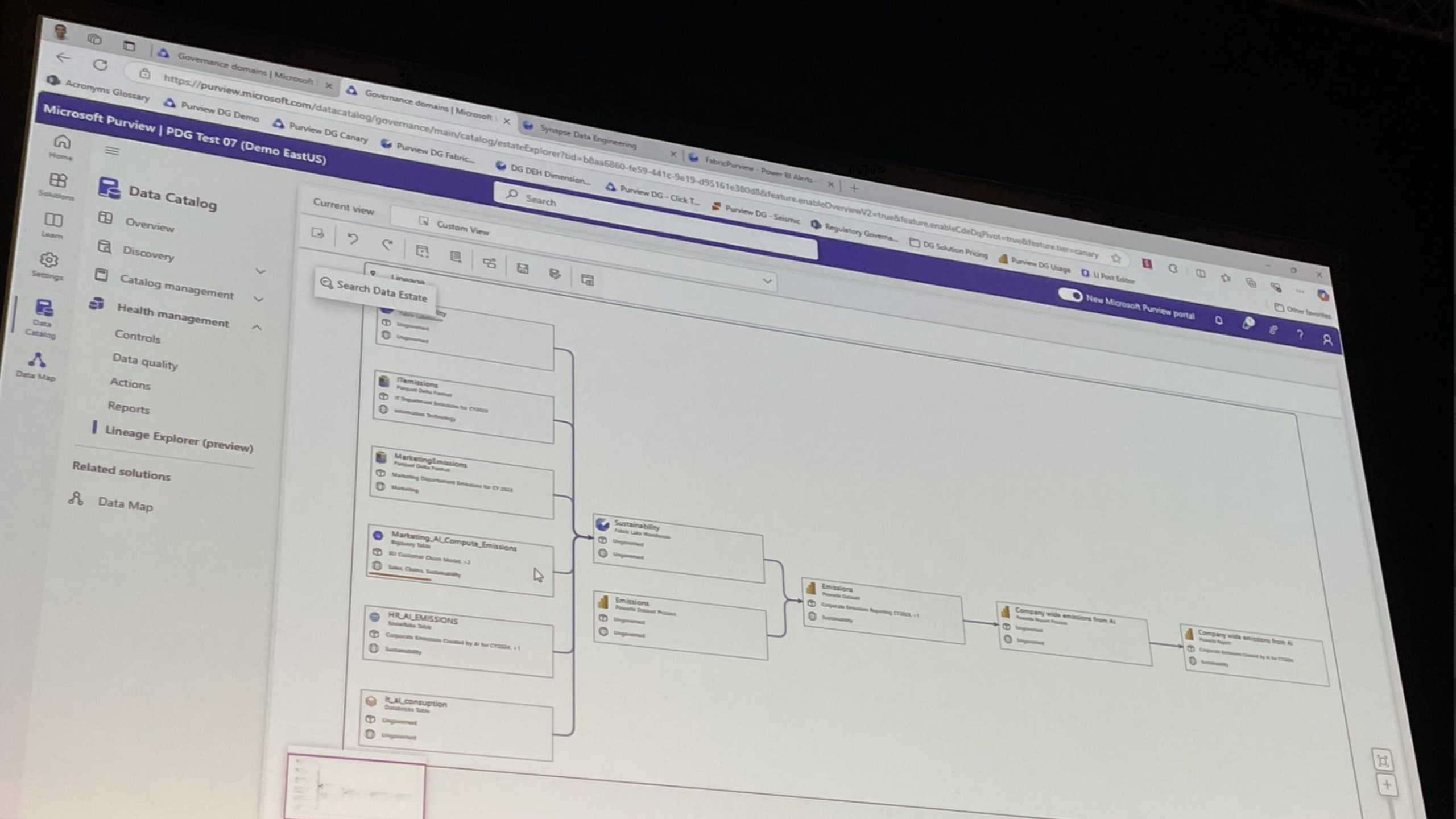


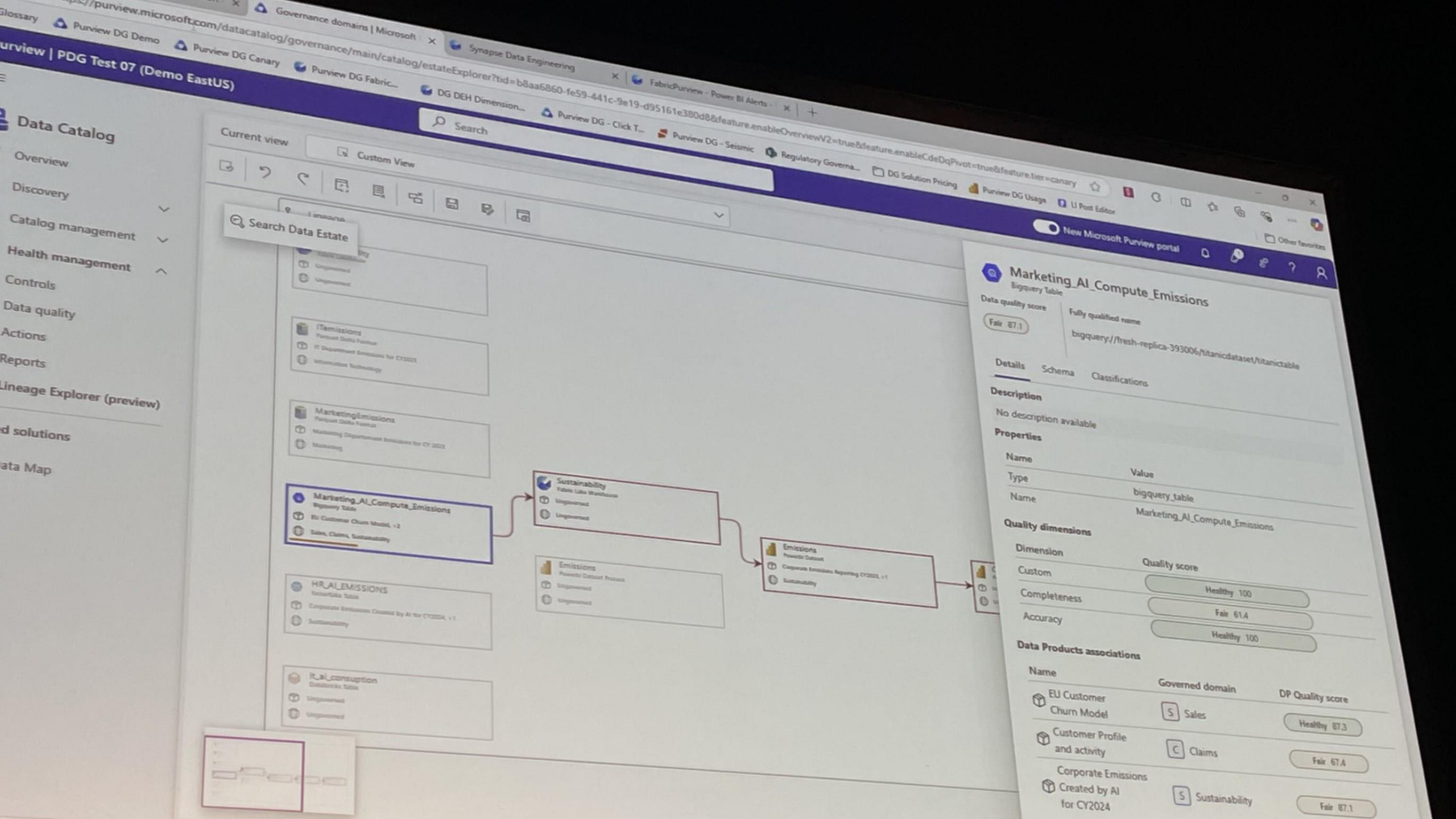
Microsoft Purview News from #FabConEurope

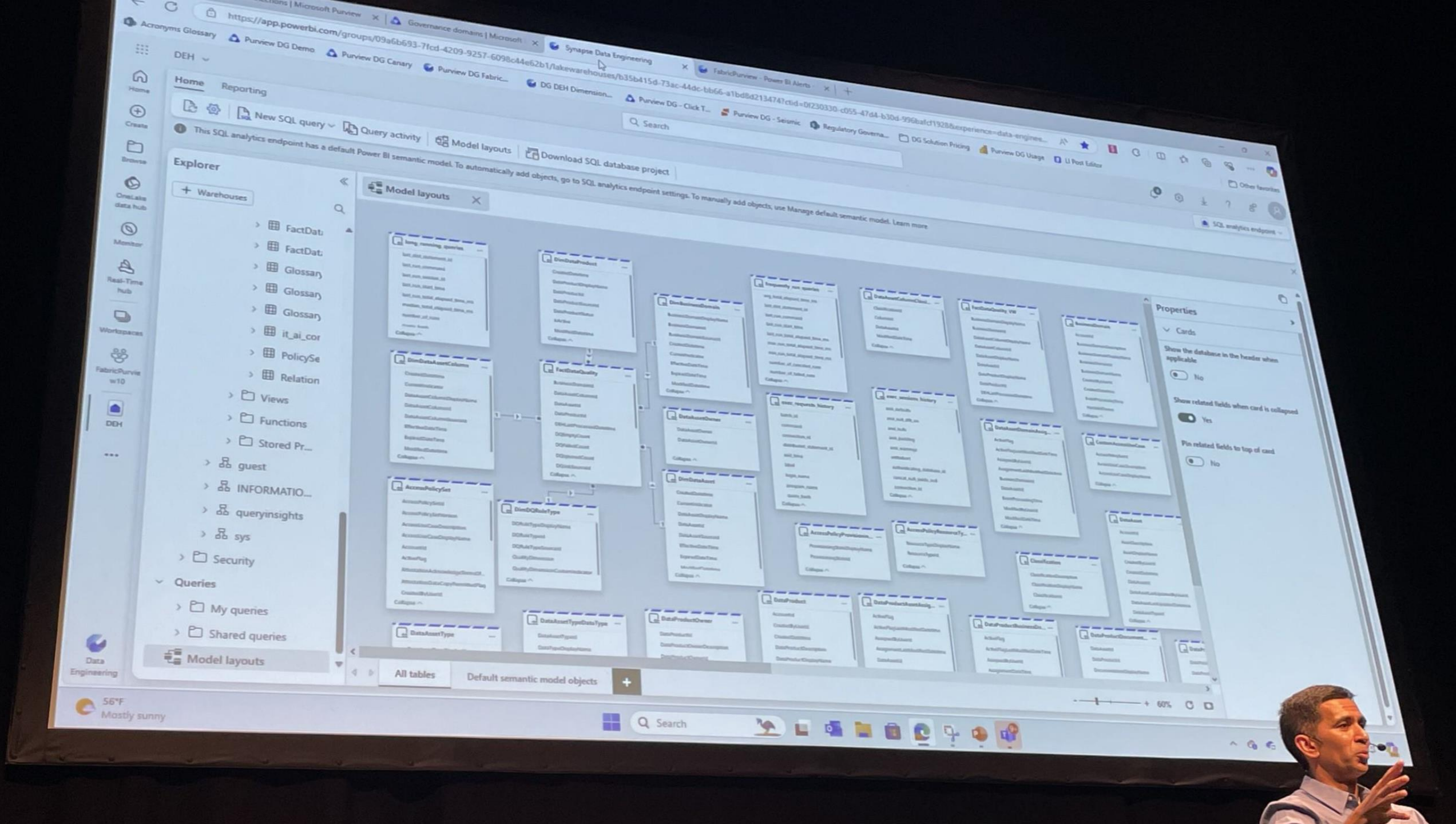

Microsoft Purview | PDG Test 07 (Demo EastUS)
Data Catalog
Overview
Discovery
Catalog management
Health management
Controls
Data quality
Actions
Reports
Lineage Explorer (preview)
Related solutions
Data Map
Search Data Estate
Ungoverned
Corporate Functions
Sales

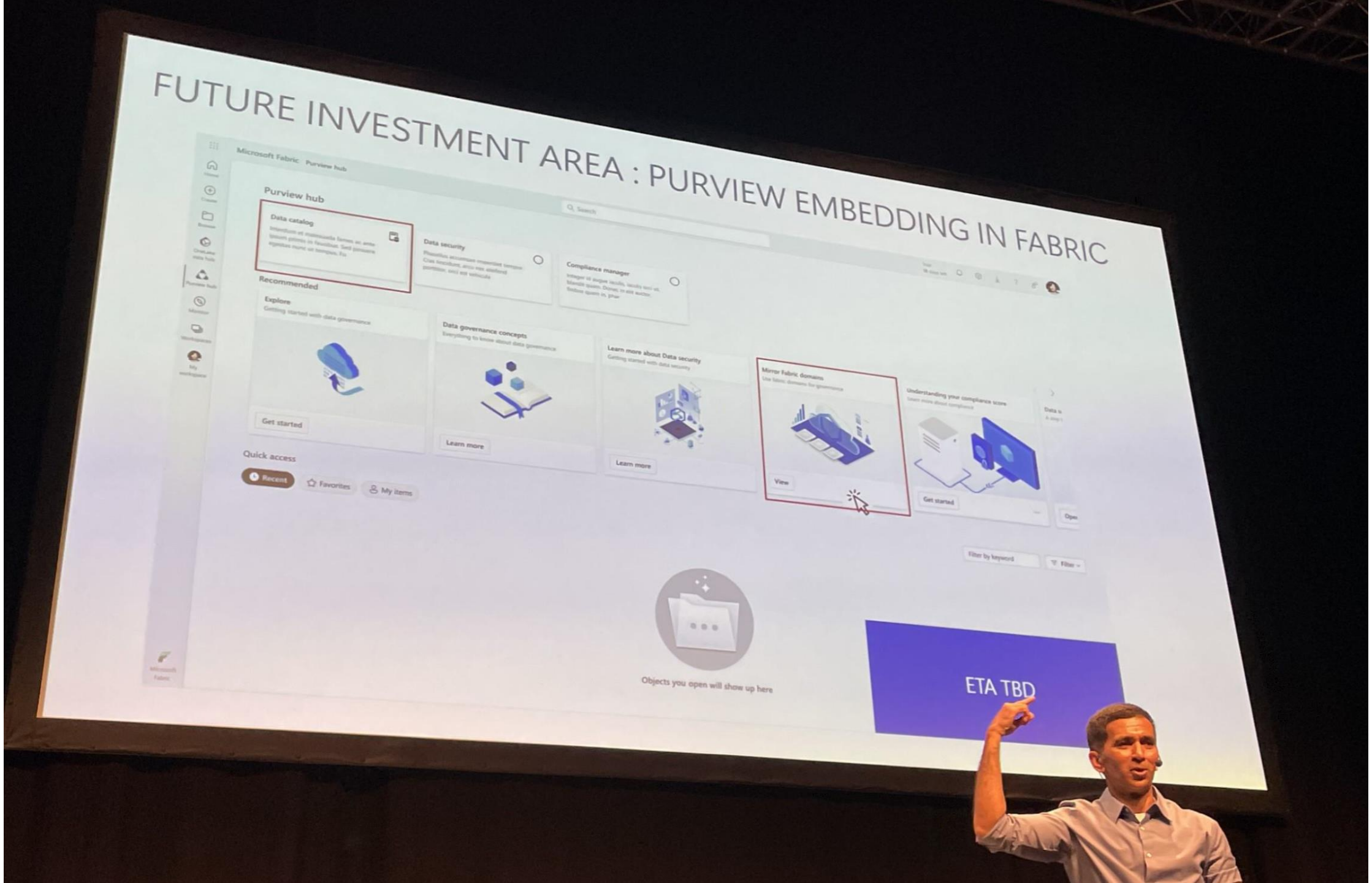
STOCK
HOLM
2024
EUROPEAN
MICROSOFT


Microsoft Purview | PDG Test 07 (Demo EastUS)
Data Catalog
Overview
Discovery
Catalog management
Health management
Controls
Data quality
Actions
Reports
Lineage Explorer (preview)
Related solutions
Data Map
Search Data Estate
fabric
General profit reporting monitoring
Fraud Services
02 - Data Transformation - Business Aggregates
Fabric Synapse Notebook
Profit Report
Finance
01 - Create Delta Tables
Fabric Synapse Notebook
Currency Reference
Finance
aggregate_sale_by_date_employee
Fabric Lakehouse Table
Employee data
DimCity.parquet
Fabric Lakehouse Path
Customer Master List
Sales
DimCity.parquet
Fabric Lakehouse Path
Customer Profile and activity
Claims
dimension_customer
Fabric Lakehouse Table
Customer Master List
Sales
fact_sale
Global Sales Revenue for 2023CY
Sales


Microsoft Purview | PDG Test 07 (Demo EastUS)
Search
Data Catalog
Overview
Discovery
Catalog management
Health management
Controls
Data quality
Actions
Reports
Lineage Explorer (preview)
Related solutions
Data Map
Current view
Custom View
Search Data Estate
New Microsoft Purview portal
Sustainability
Emissions
Company wide emissions from AI


Governance domains | Microsoft
Synapse Data Engineering
FabricPurview - Power BI Alerts
Purview DG Demo
Purview DG Canary
Purview DG Fabric...
DG DEH Dimension...
Purview DG - Click T...
Purview DG - Seismic
Regulatory Governa...
DG Solution Pricing
Purview DG Usage
LI Post Editor
urview | PDG Test 07 (Demo EastUS)
Search
New Microsoft Purview portal
Data Catalog
Overview
Discovery
Catalog management
Health management
Controls
Data quality
Actions
Reports
Lineage Explorer (preview)
d solutions
ata Map
Current view
Custom View
Search Data Estate
ITemissions
MarketingEmissions
Marketing_AI_Compute_Emissions
Sustainability
Emissions
HR_AI_EMISSIONS
it_ai_consuption
Marketing_AI_Compute_Emissions
Bigquery Table
Data quality score
Fair 87.1
Fully qualified name
bigquery://fresh-replica-393006/titanicdataset/titanictable
Details
Schema
Classifications
Description
No description available
Properties
Name
Value
Type
bigquery_table
Name
Marketing_AI_Compute_Emissions
Quality dimensions
Dimension
Quality score
Custom
Healthy 100
Completeness
Fair 61.4
Accuracy
Healthy 100
Data Products associations
Name
Governed domain
DP Quality score
EU Customer Churn Model
Sales
Healthy 87.3
Customer Profile and activity
Claims
Fair 67.4
Corporate Emissions Created by AI for CY2024
Sustainability
Fair 87.1


Home
Reporting
New SQL query
Query activity
Model layouts
Download SQL database project
Explorer
Warehouses
Model layouts
Properties
Cards
All tables
Default semantic model objects
Queries
My queries
Shared queries
Model layouts
Security
Views
Functions
guest
INFORMATIO...
queryinsights
sys
Search
56°F
Mostly sunny


FUTURE INVESTMENT AREA : PURVIEW EMBEDDING IN FABRIC
Microsoft Fabric
Purview hub
Purview hub
Data catalog
Data security
Compliance manager
Recommended
Explore
Get started
Data governance concepts
Learn more
Learn more about Data security
Learn more
Mirror Fabric domains
View
Understanding your compliance score
Get started
Quick access
Recent
Favorites
My items
Objects you open will show up here
ETA TBD

Purview DG Journey

Sep 2024 | 3.6K Tenants | 8.8K users

GA

April 2024 | 2.3K Tenants | 6.5K users

Public Preview

Dec 2023 | 34 Customers

Private Preview

Top Ask Themes

Roadmap

Fabric Sub-Artifact Metadata and Lineage

Databricks Unity Integration

Connectors (wider and deeper)

Governance for Unstructured Data



Microsoft Purview

Data Security	Data Governance	Data Compliance
Secure your data along its lifecycle	Unlock value creation from your data	Manage critical risks and regulatory requirements
Data Loss Prevention *Insider Risk Management* *Information Protection* *Adaptive Protection*	*Discovery and Access* *Catalog Management* *Health Management* *Master Data Management**	*Compliance Manager* *eDiscovery and Audit* *Communication Copliance* *Data Lifecycle Management* *Records Management*

Shared platform capabilities

Structured, **Semi-structured** and **Unstructured Data**

Along the **Data Lifecycle**

** Through 3rd Party Integration*

#TreatYourDataBetter with Microsoft Purview



Learn more about Purview Data Governance

Microsoft Purview Data Governance GA documentation

Microsoft Purview Click-Through Experience

Watch some Microsoft Purview Videos

What‘s on the roadmap?



Any Questions?



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