

Let's talk about Data Governance and Microsoft Fabric

Wolfgang Strasser

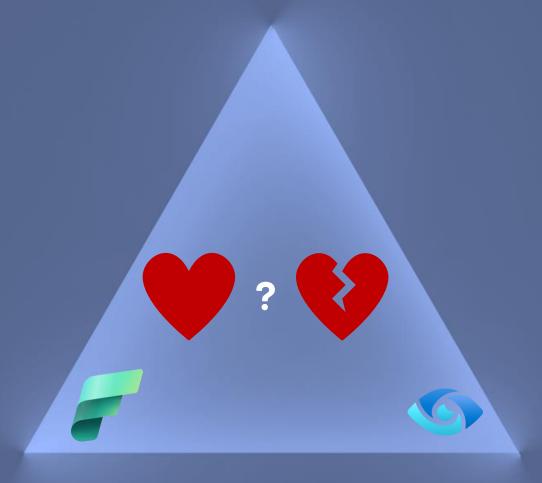




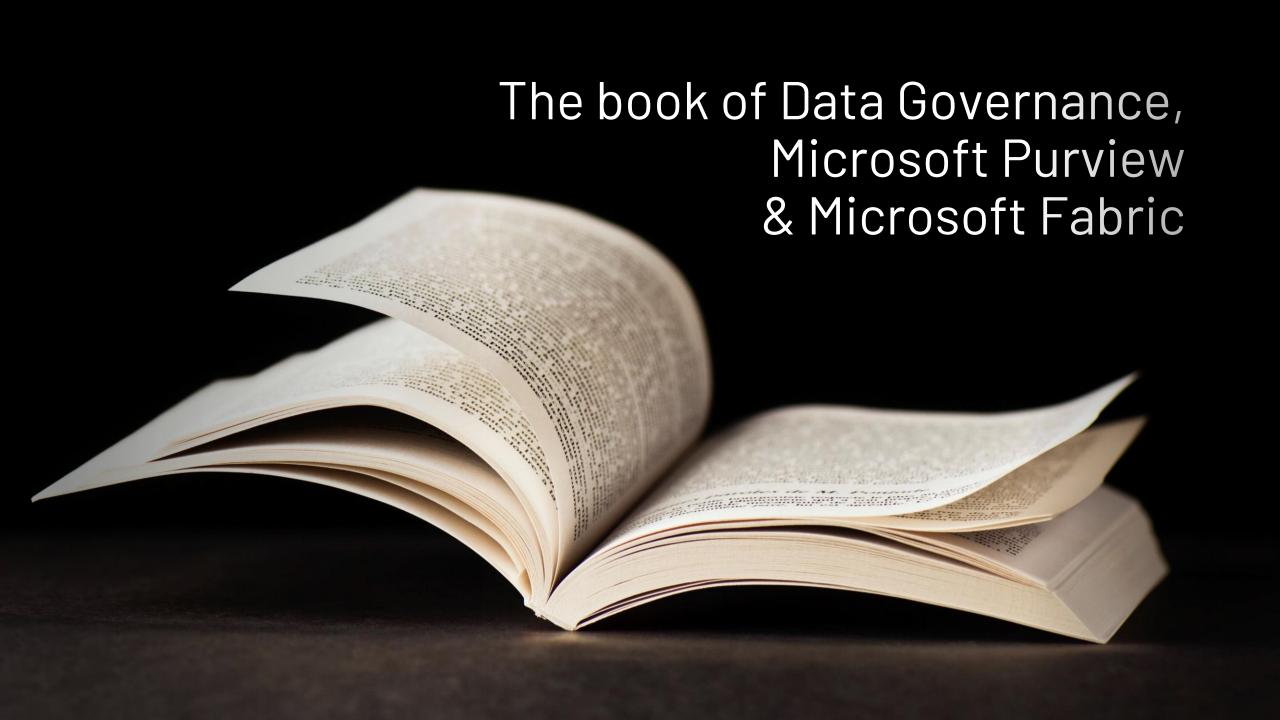




Data Governance



Microsoft Fabric Microsoft Purview



#DataGovernance

Definition Attempt #xx

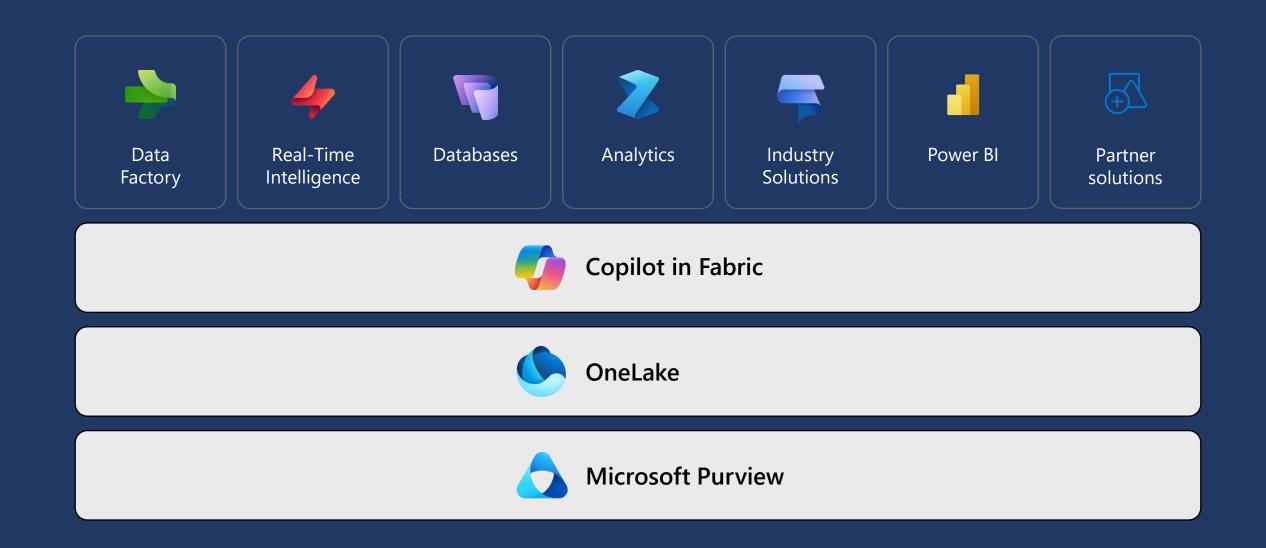
#TreatYourDataBetter

Wolfgang Strasser



#MicrosoftFabric

Microsoft Fabric



Sounds nice! Right?

One Place

One Tool

One Security

Data Governance



Governance in Fabric

Governance in Fabric can mean many things...

Access definitions

Security

Data lineage

Workspace creation

Publish to web, Exporting data

Gateway creation / configuration

Integration settings like ArcGIS

Access and collaboration with externals

• • •

Manage, govern, and secure data in Microsoft Fabric



Manage your data 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



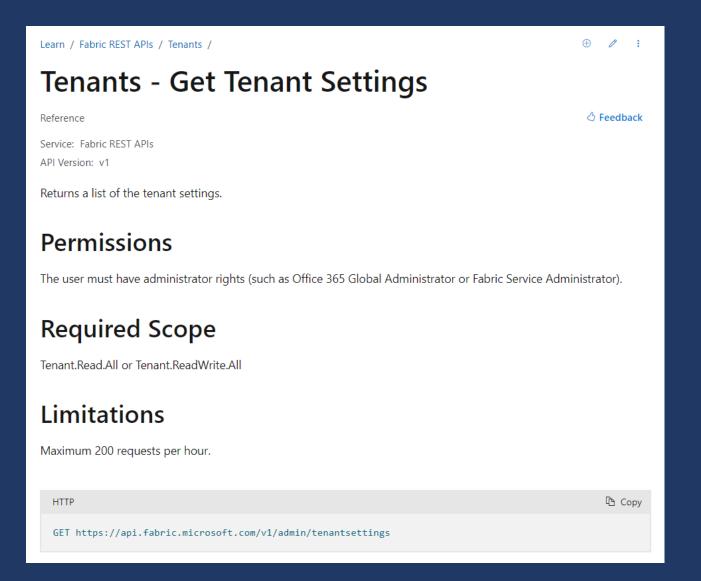
Monitor, uncover insights, and act

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

Administrative Governance (Tenant Settings)



Extract and query the tenant settings

2023-06-20 / Azure, Fabric. Power Bl

A long wish have come true. It's now possible to query the Admin APIs and get a list of all the tenant settings. This is very valuable to be able to document the settings and also follow the changes of them.

The GetTenantSettings Read API <u>was released</u> the same day as Microsoft Fabric was announced, which therefore perhaps drowned in all the other amazing news? However, it is not accidental as the API is part of Fabric, now that the Admin portal is part of Fabric. This is just a technical change – the API can still be used to get all the tenant settings for Power BI – whether or not your using Fabric.

This is the first Fabric Admin API and you can get more information here: https://learn.microsoft.com/en-us/rest/api/fabric/admin/tenants/get-tenant-settings

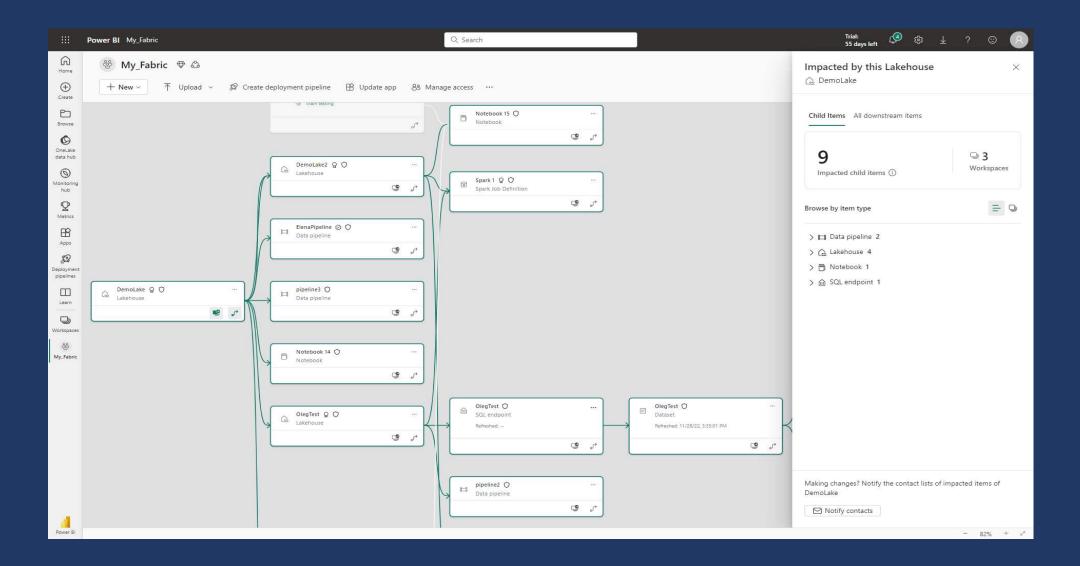
As always, I have created a <u>Data Factory</u> template and also a <u>Synapse Serverless SQL</u> view to unfold the JSON output. It's a base view with an outer apply on both properties, enabledSecurityGroups and excludedSecurityGroups. This way you will get multiple rows for each settings, but can then get all the information in one query.

PowerBI API		
Description		
Connect via integration run	ntime * ①	
Connect via integration run AutoResolveIntegrationRu		
		V
		V

https://justb.dk/blog/2023/06/extract-and-query-the-tenant-settings/

Tenant Settings

Data Lineage

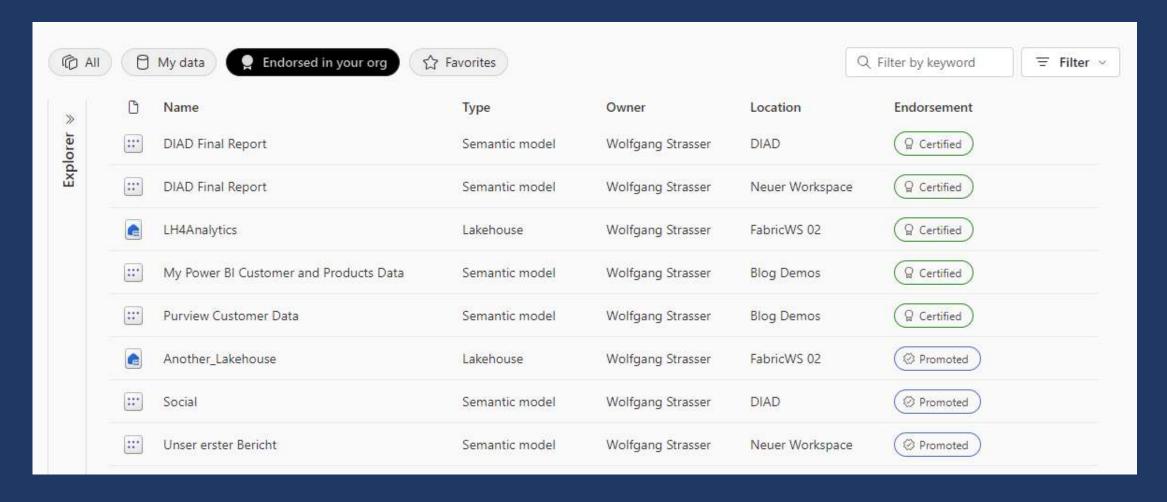


Data Lineage

Endorsement





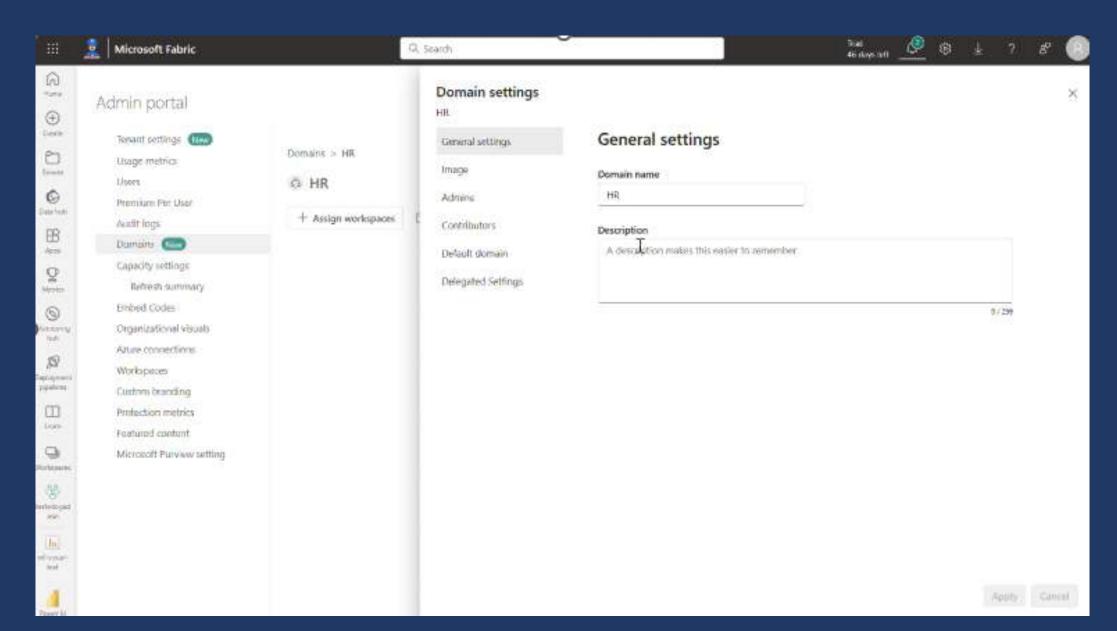


Endorsements

Tags

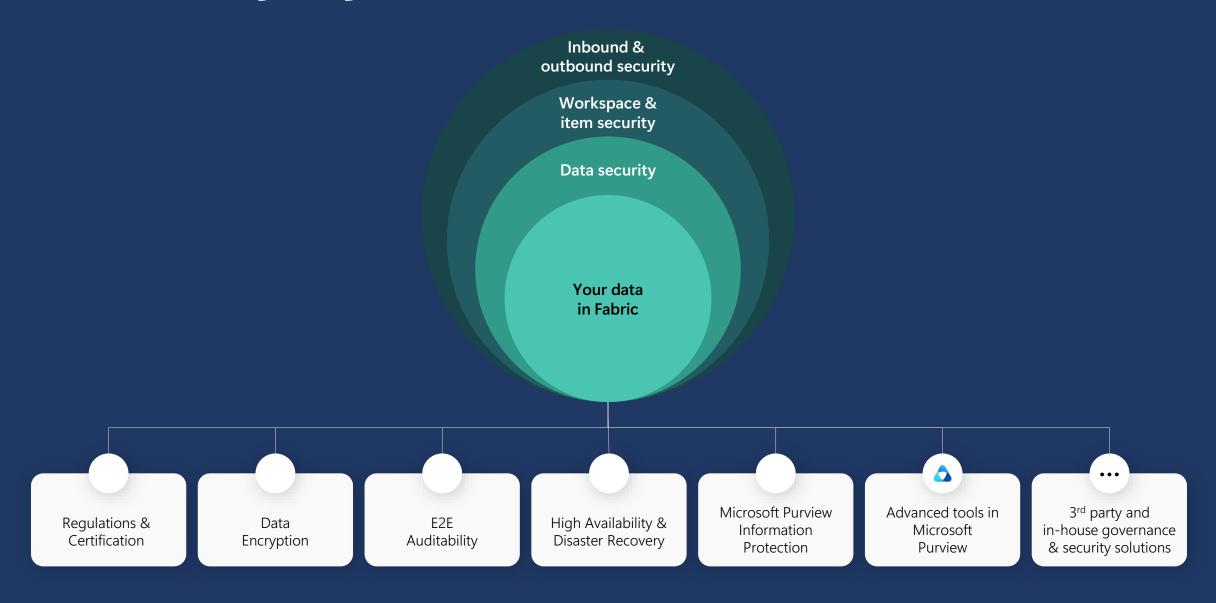


Domains



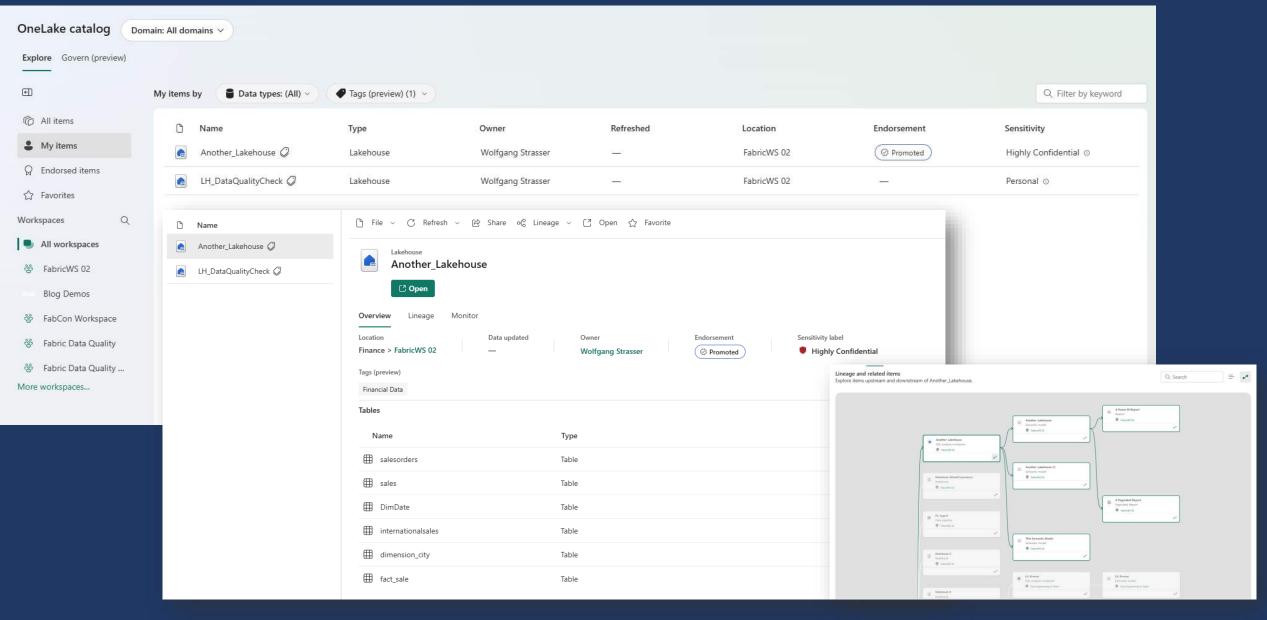
Domains

Security layers in Microsoft Fabric

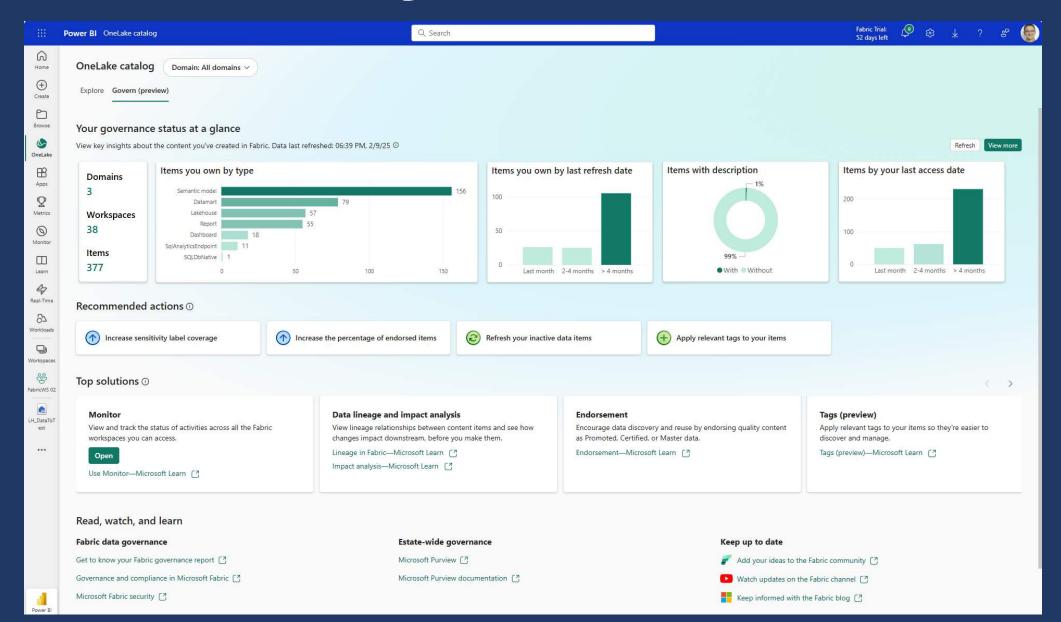


Where all comes together

OneLake catalog



OneLake catalog



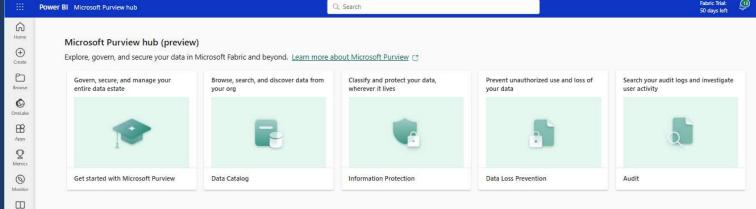
OneLake catalog

Purview Hub Microsoft Fabric

Governance and insights

Admin portal →

Microsoft Purview hub (preview) →

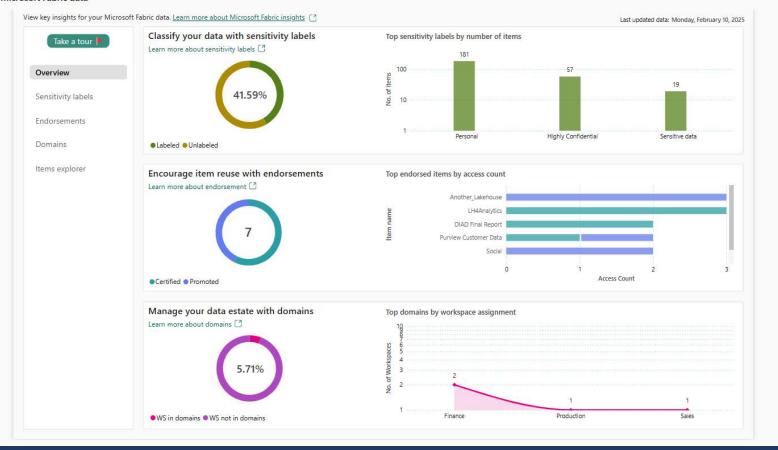


Microsoft Fabric data

4

52

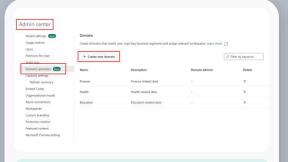
9



Purview Hub in Microsoft Fabric

Monitoring

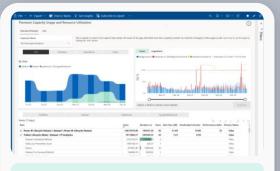




Monitor

Monitor Fabric activities, such as semantic model refresh and Spark Job runs and many others, from a central location





Capacity metrics

Gain visibility into capacity utilization and usage trends with daily aggregation so you can plan and scale your capacity accordingly



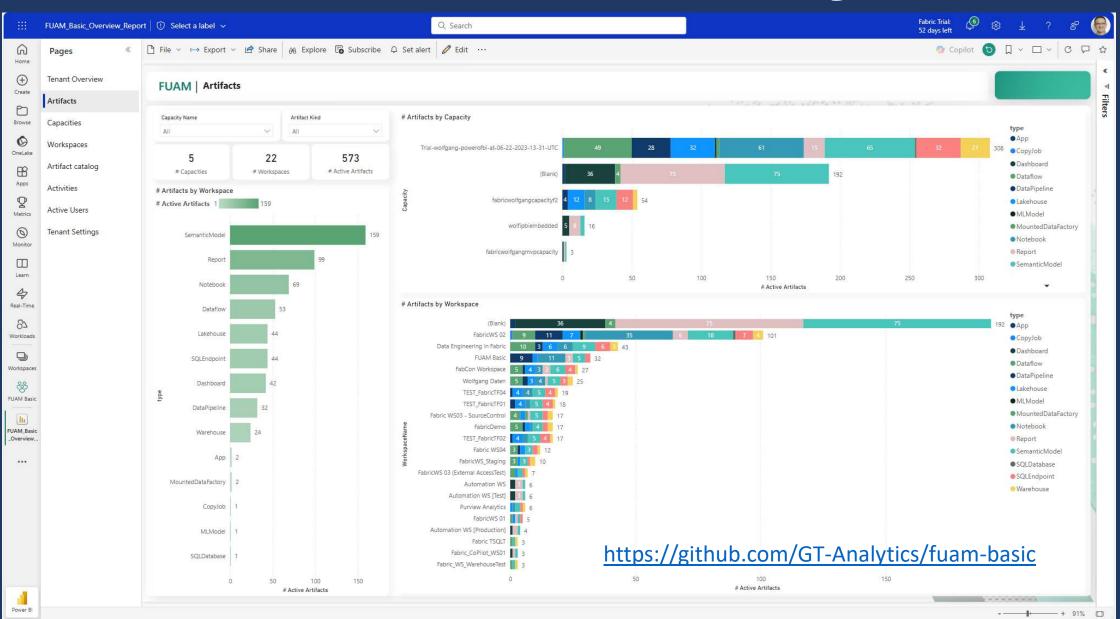


Purview hub

See relevant insights about sensitive data and item endorsement across the Fabric data estate and get easy links to more advanced Purview capabilities



Fabric Unified Admin Monitoring (FUAM)

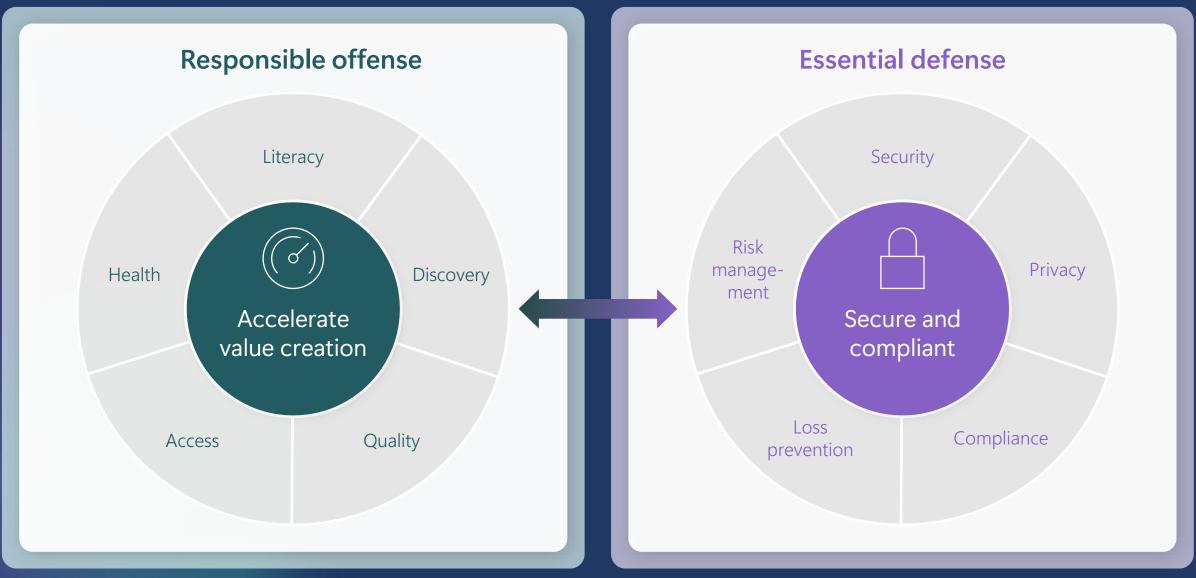


FUAM Demo

DataGovernance / Data Catalog

#MicrosoftPurview

Data governance and security is evolving





Microsoft Purview

Data Security

Secure your data along its lifecycle

Data Loss Prevention
Insider Risk Management
Information Protection
Adaptive Protection

Data Governance

Unlock value creation from your data

Discovery and Access
Catalog Management
Health Management
Master Data Management*

Data Compliance

Manage critical risks and regulatory requirements

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

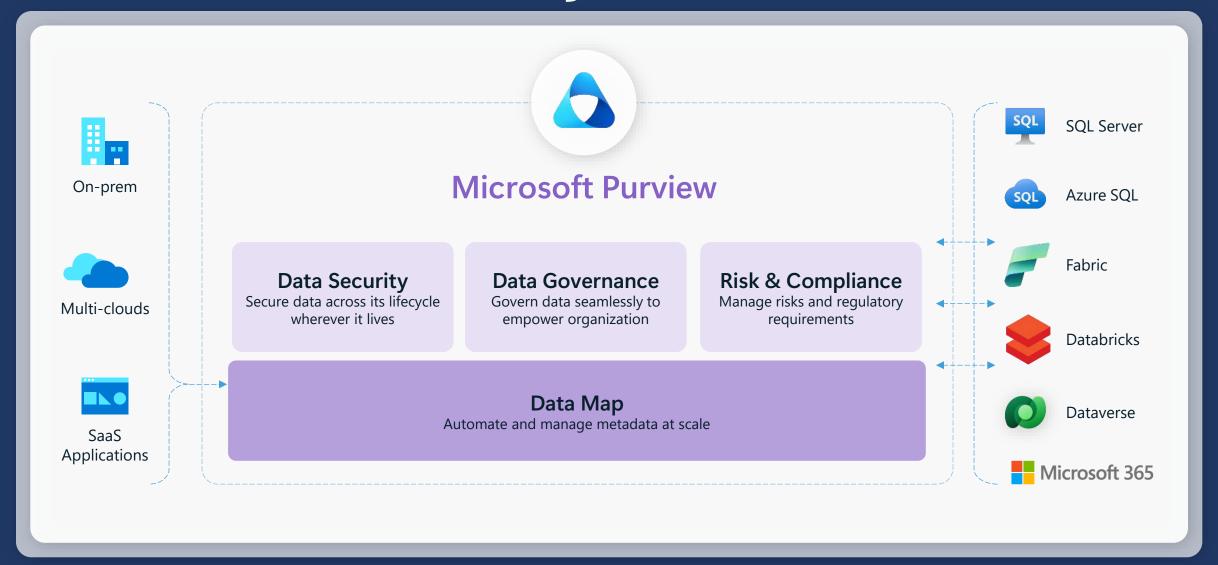
Shared platform capabilities

* Through 3rd Party Integration

Structured, Semi-structured and Unstructured Data

Along the **Data Lifecycle**

Govern and secure your data estate



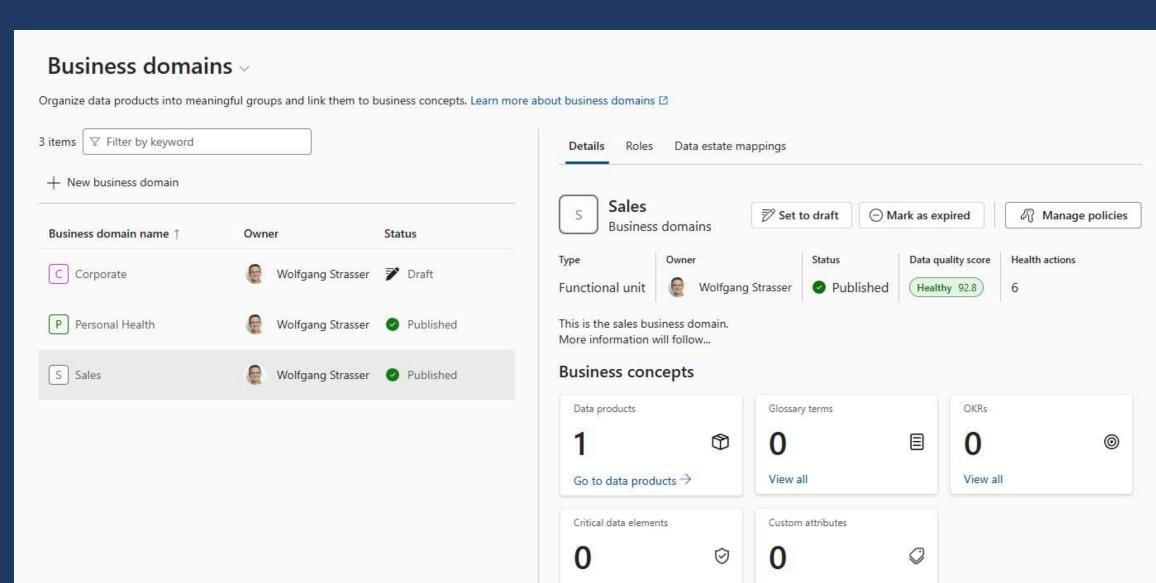
Data Catalog

Concepts, Sources, Scanning, Classifications, ...

Know your data with business concepts



Business Domains



View all

View all

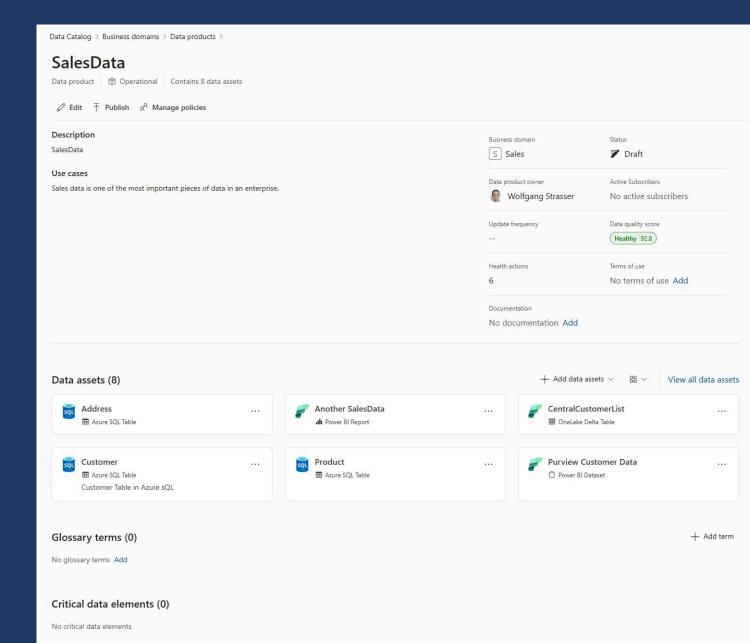
What's a Business Domain?

• ... boundary that enables the common governance, ownership, and discovery of data products and business concepts like glossary terms, OKRs, or critical data.

Examples of Business domains:

- Fundamental business areas human resources, sales, finance, supply chain, ..
- Subject areas product, parties, ...
- Based on organizational functions customer experience, cloud supply chain, business intelligence

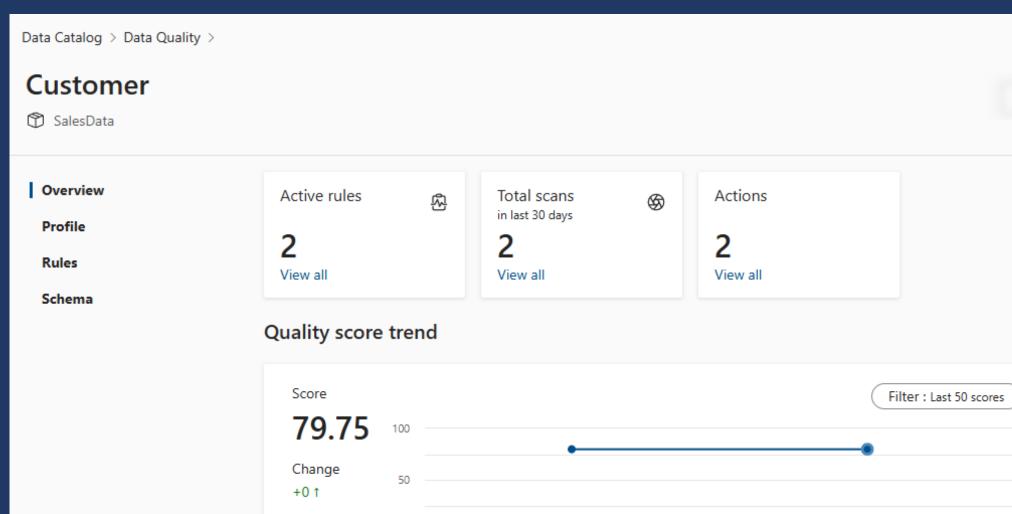
Data Products



What is a Data Product?

- ... a group of data assets (tables, files, PBI reports, ..) a packaged offering to an enterprise that provides assets with a use case to be shared to data consumers
- .. Provides context to these assets (grouping them under a use case for data consumers)
- .. involves the collection, processing, analysis and presentation of data

Data Quality



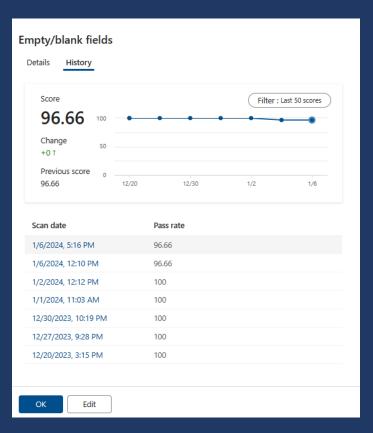
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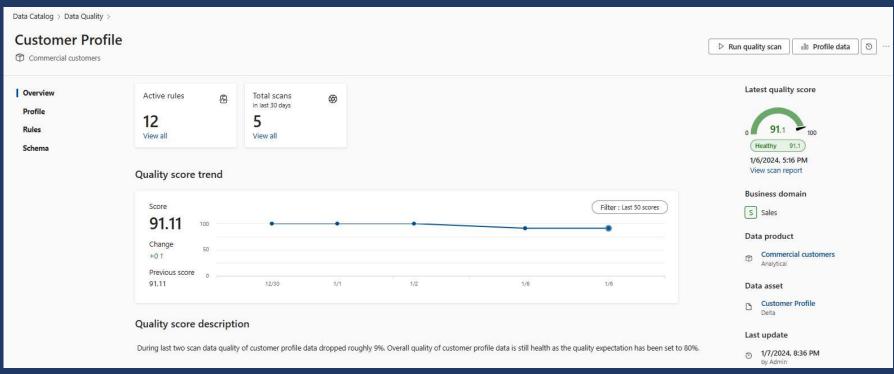
5/25

Previous score

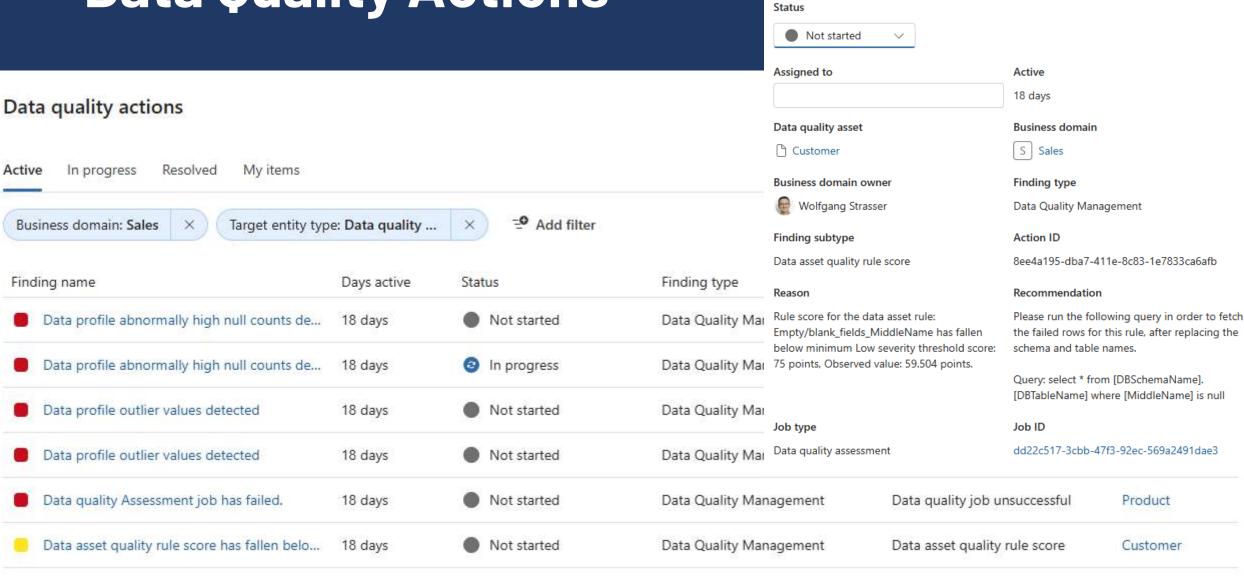
79.75

Microsoft Purview Data Quality





Data Quality Actions



Data asset quality rule score has fallen below threshold

X

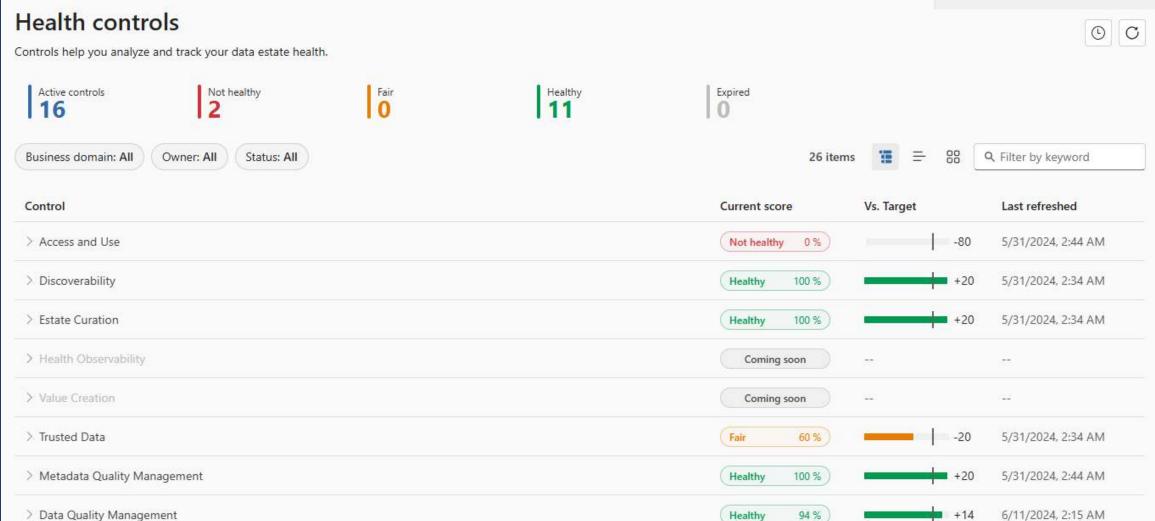
Data Estate Health

Data estate health Health controls

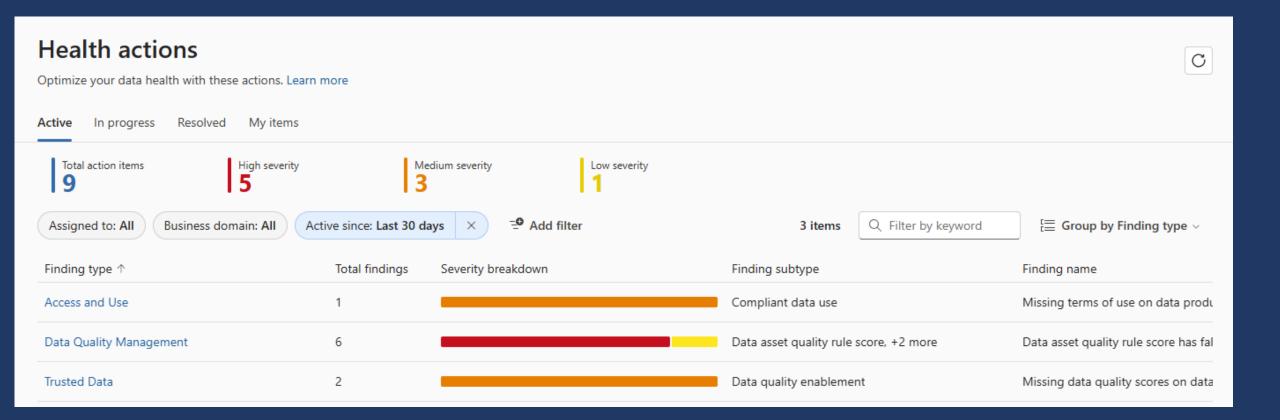
Health actions

Metadata quality

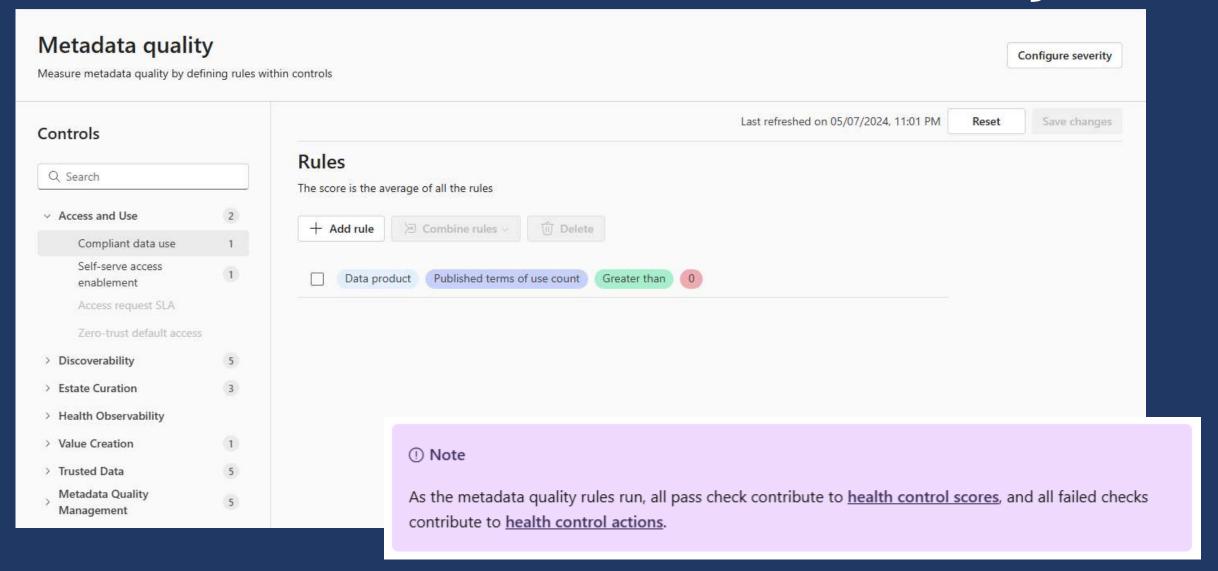
Reports



Data Estate Health - Health Controls



Data Estate Health - Metadata Quality



Data Estate Health - Reports

Reports				C
Total reports	Active reports	Draft reports		
				Showing 7 of 7 Q Filter by keyword
Report name ↑	Report type	Last updated	Status	
Assets	System	6/11/2024, 10:45 AM	Active	
Catalog adoption	System	6/11/2024, 10:45 AM	Active	
Classifications	System	6/11/2024, 10:45 AM	Active	
Data governance	System	6/10/2024, 8:39 PM	Active	
Data stewardship	System	6/11/2024, 10:45 AM	Active	
Glossary	System	6/11/2024, 10:45 AM	Active	
Sensitivity labels	System	6/11/2024, 10:45 AM	Active	

Manage, govern and secure data in Microsoft Fabric



Reshape how you access, manage, and **keep y**our data safe and governed with unified data and insights with Microsoft Fabridata governance, security, and compliance

Unmatched security & compliance

Simplified administration

Unified governance

