

The background of the slide features a wide-angle photograph of a rugged coastline. In the foreground, dark, jagged rock formations stand in the water, their silhouettes sharp against the bright, reflective surface of the ocean. The sky above is a mix of deep blues and bright, scattered clouds, suggesting a sunrise or sunset. The overall mood is dramatic and thought-provoking.

Can Microsoft Purview Answer All Your Data Governance Needs

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Data Platform MVP, MCT



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Swimmer, Coach, Instructor, Official

Who Are You

Developer

DBA

Analyst

Data Steward

Awesome Human





Selfie time!

Data Governance

People, Processes & Technology

Accountability/Ownership

Availability/Accessibility

Security

Quality

Usability



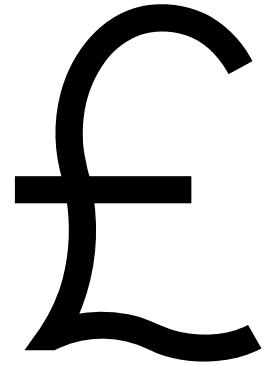
Data Governance Needs

Discovery

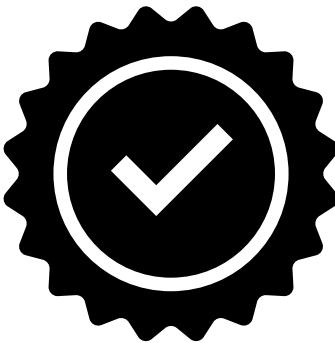
Access

Insight

Motivation for Data Governance



Financial



Efficiency



Security



You will need
technology

Microsoft Purview



Data Governance Needs

Discovery



Data Map & Data Catalog

Access



Data Policy,
Workflows

Insight

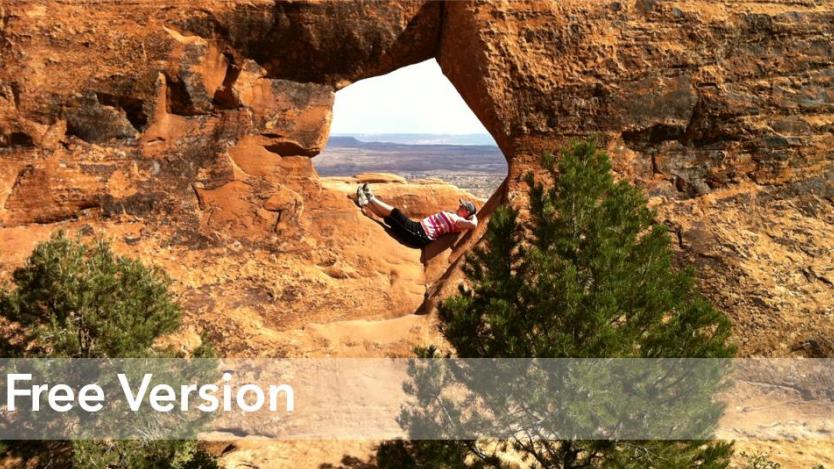


Data Estate Insights

A G E N D A



Discovery



Free Version



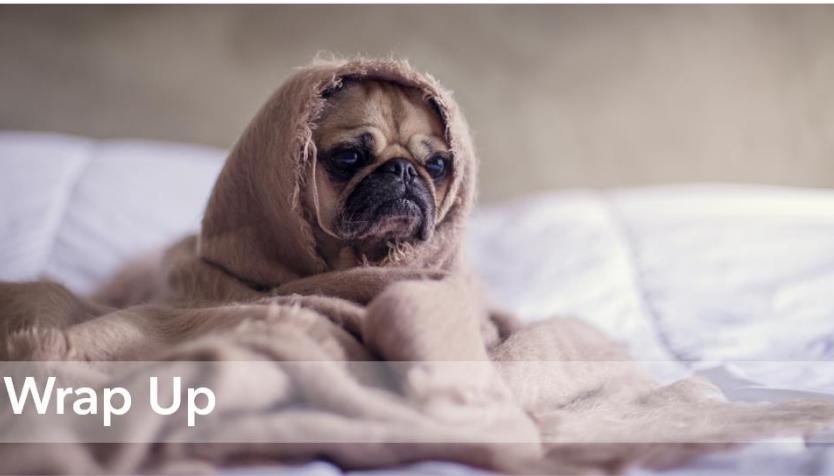
Access



Live View



Insight



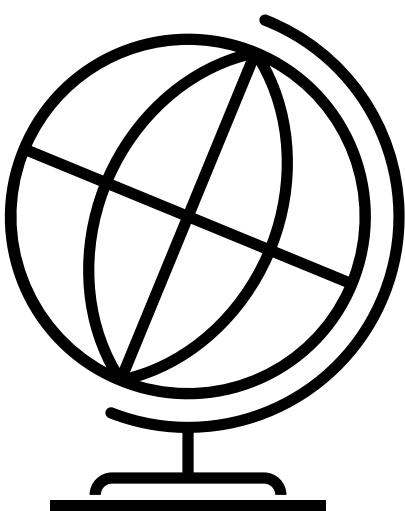
Wrap Up



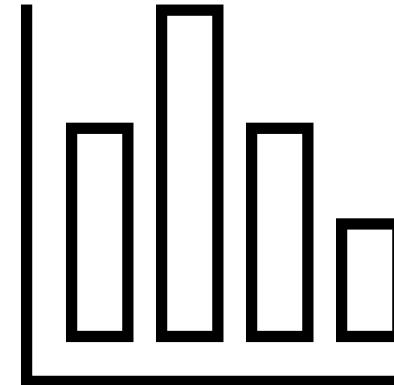
Discovery

Discovery

Data Map



Data Catalog



Data Map

Infrastructure (PaaS)

Register/Scan Data Sources

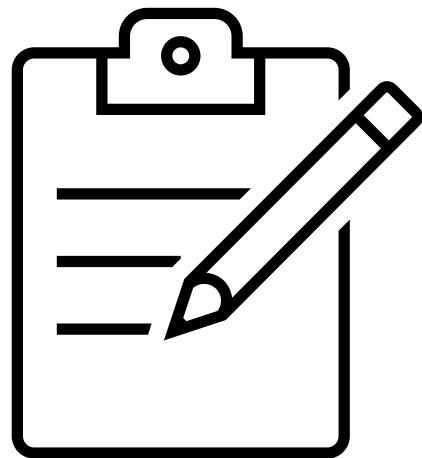
Domains/Collections

Classification

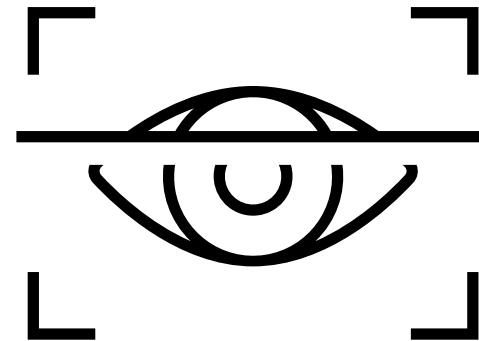
Apache Atlas 2.2 APIs

Data Sources

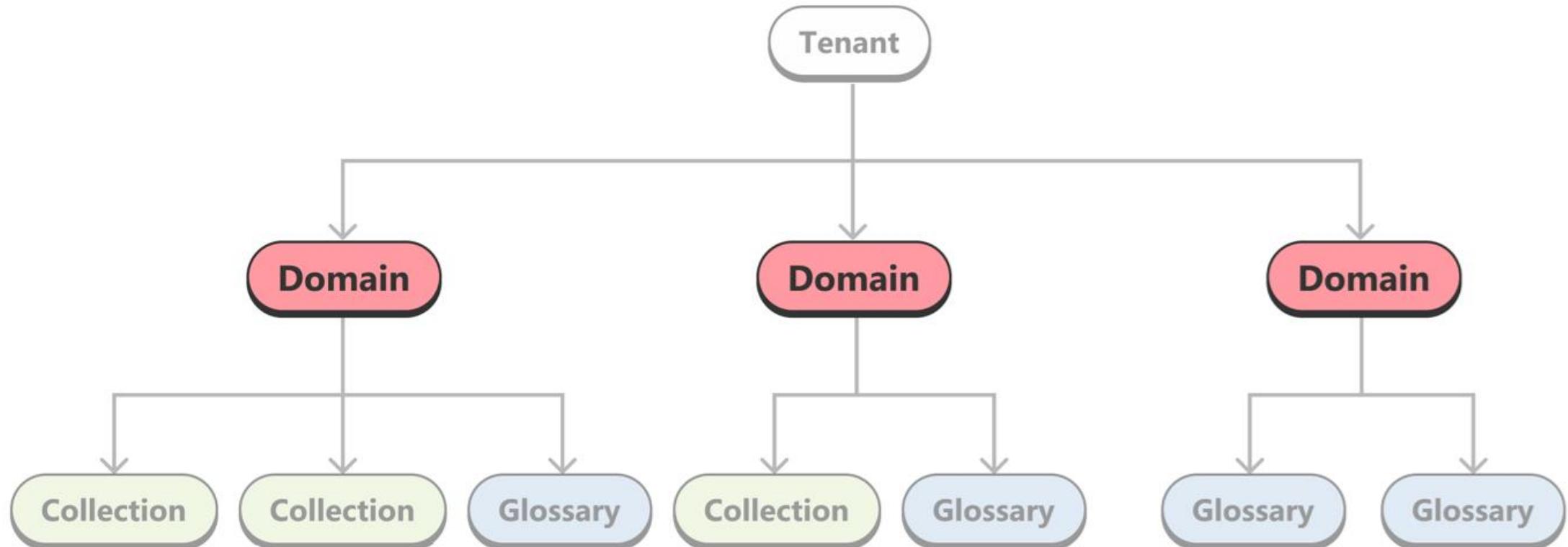
Register



Scan



Data Map Hierarchy



Domains (f.k.a. Root Collection)

Hierarchical view of data estate

Business boundaries

Collections

Hierarchical view of data estate

Security boundaries

Classification

System Classification (200+)

Passport Number, Driver License Number,
Credit Card Number, National IDs

Custom Classification

RegEx or Dictionary

Apache Atlas API 2.2

Bulk operations

Create or Update

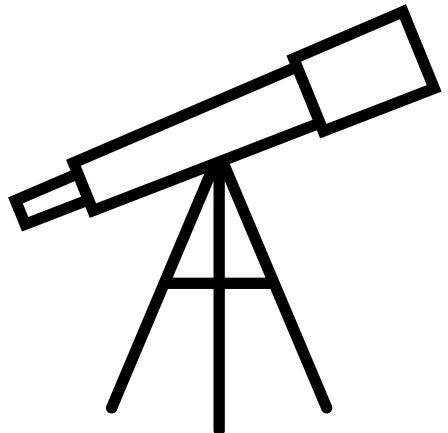
Delete

Discovery

Browse

Data Catalog

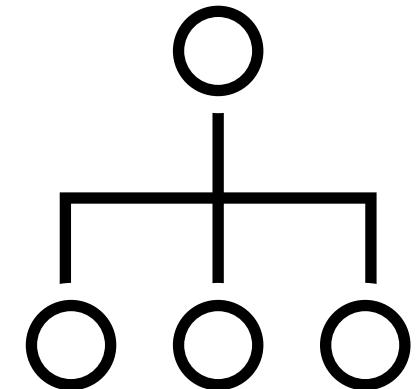
Search



Glossary



Data Lineage



Data Catalog Features

Business Domains*

Data Products*

OKRs*

Data Estate Health

Business Domains

Provide context for data assets

Empower business owners

Manage data products

Establish rules for access, use, distribution

Data Products

Group data assets together logically

Tables, files, Power BI reports, etc

Provides scalable data context and access management



What Does Purview Store?

Meta data about your data source



I Know What You're Thinking...

I don't want my
data to live in
the cloud!

No worries, it's
safe in your
data source.

Questions

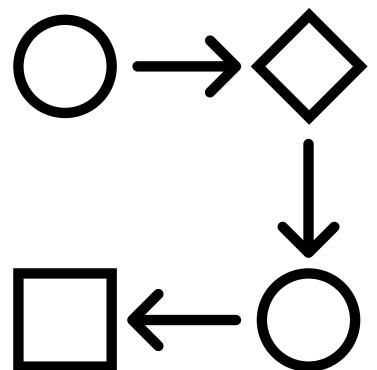


A single African penguin stands prominently in the center of the frame, facing slightly to the right. It has a white belly and chest, black wings and back, and a distinctive white patch on its upper wing. The penguin is surrounded by a dense tangle of dry, fallen tree branches and twigs, typical of a coastal or island environment. The ground is a mix of brown soil and light-colored rocks. The background shows more of the same debris-strewn landscape stretching to the horizon.

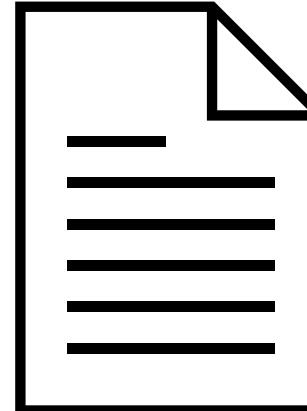
Access

Access

Workflows



Data Policies



Workflows

Currently in Preview

Automate repeatable business processes

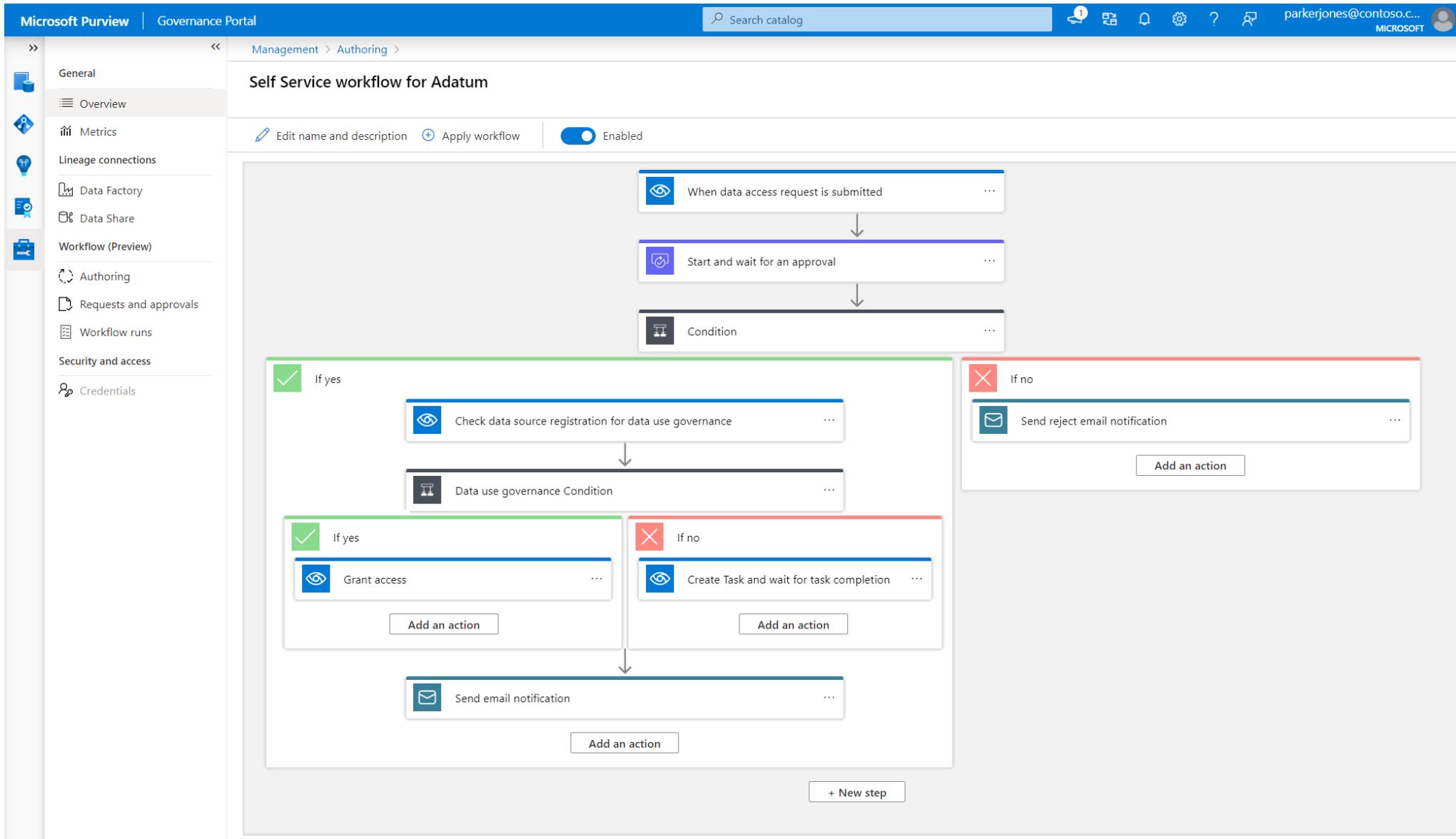
Two kinds of workflows

Data governance

Data catalog

Managed by Workflow Admin (Preview)

Workflows



Data Policies

Currently in Preview

Request access to data sources

Human readable Instructions

Two step process

Data Policies Prerequisites

Register Purview as resource provider*

Data Use Management

Roles configured at Root Collection

Data Policies

Two step process

Name *
MarketingLake

Description *
Access to Marketing data assets

Policy statements

Example policy statement:
Deny Read On Data Classified as PII to group non-FTEs.

+ New policy statement

Set this **Effect** on this **Action** on these **Data Resources** to these **Subjects**

+ Save Cancel

Policy publish

Select sources to publish 'Marketing' to.

demo

Selected (1)

pvdemolynpbadcads

Showing 1 - 2 of 2 items

Data source name	Registered on
<input type="checkbox"/> purview-demo	11/05/21 02:26 PM
<input type="checkbox"/> pvdemolinbgadblob	11/05/21 01:42 PM

Page 1

Publish Cancel

Purview Portal Roles

Domain admin*

Insights reader

Collection admin

Policy Author

Data Source
admin

Workflow admin

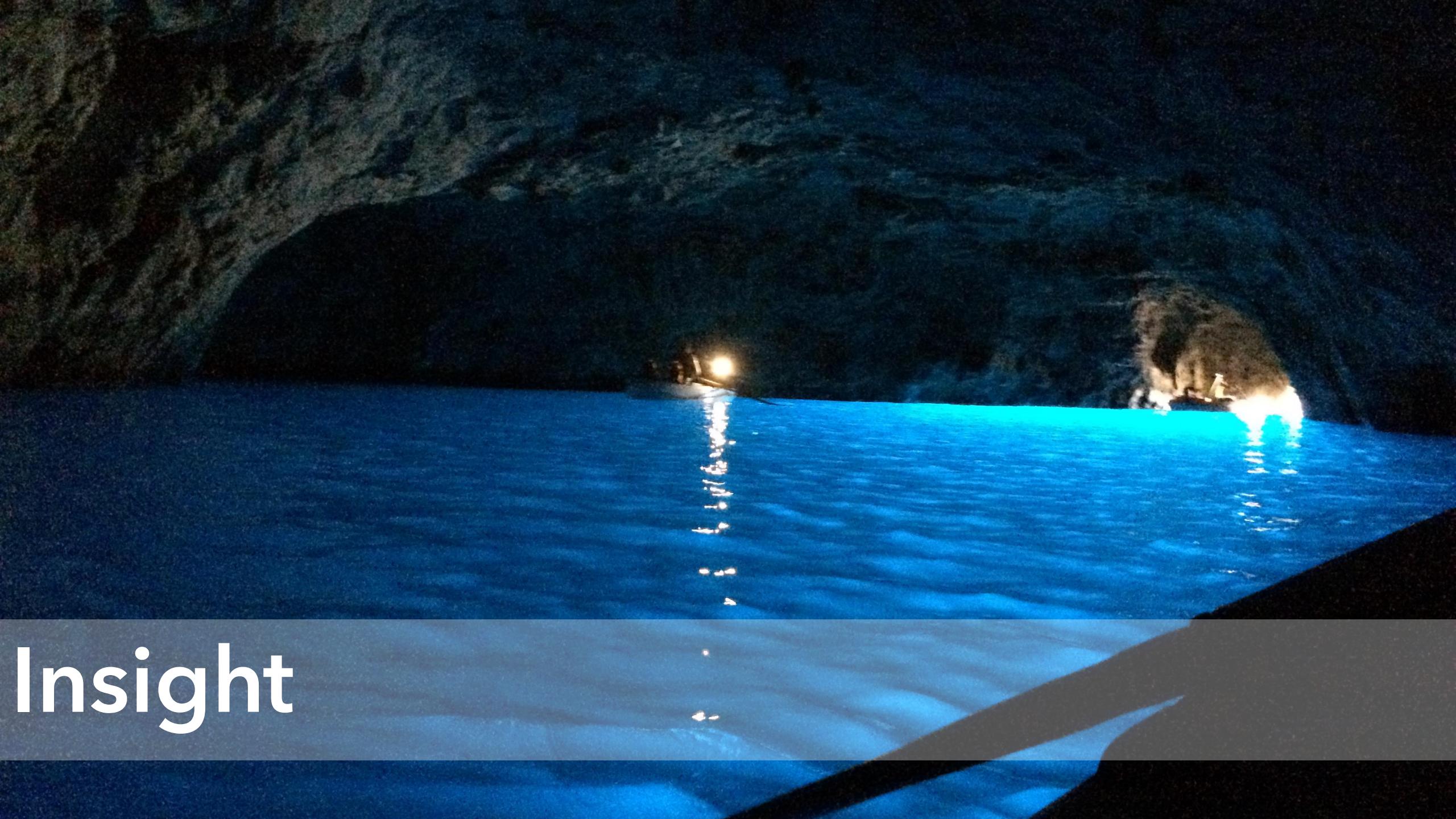
Data curator

Data reader

Questions

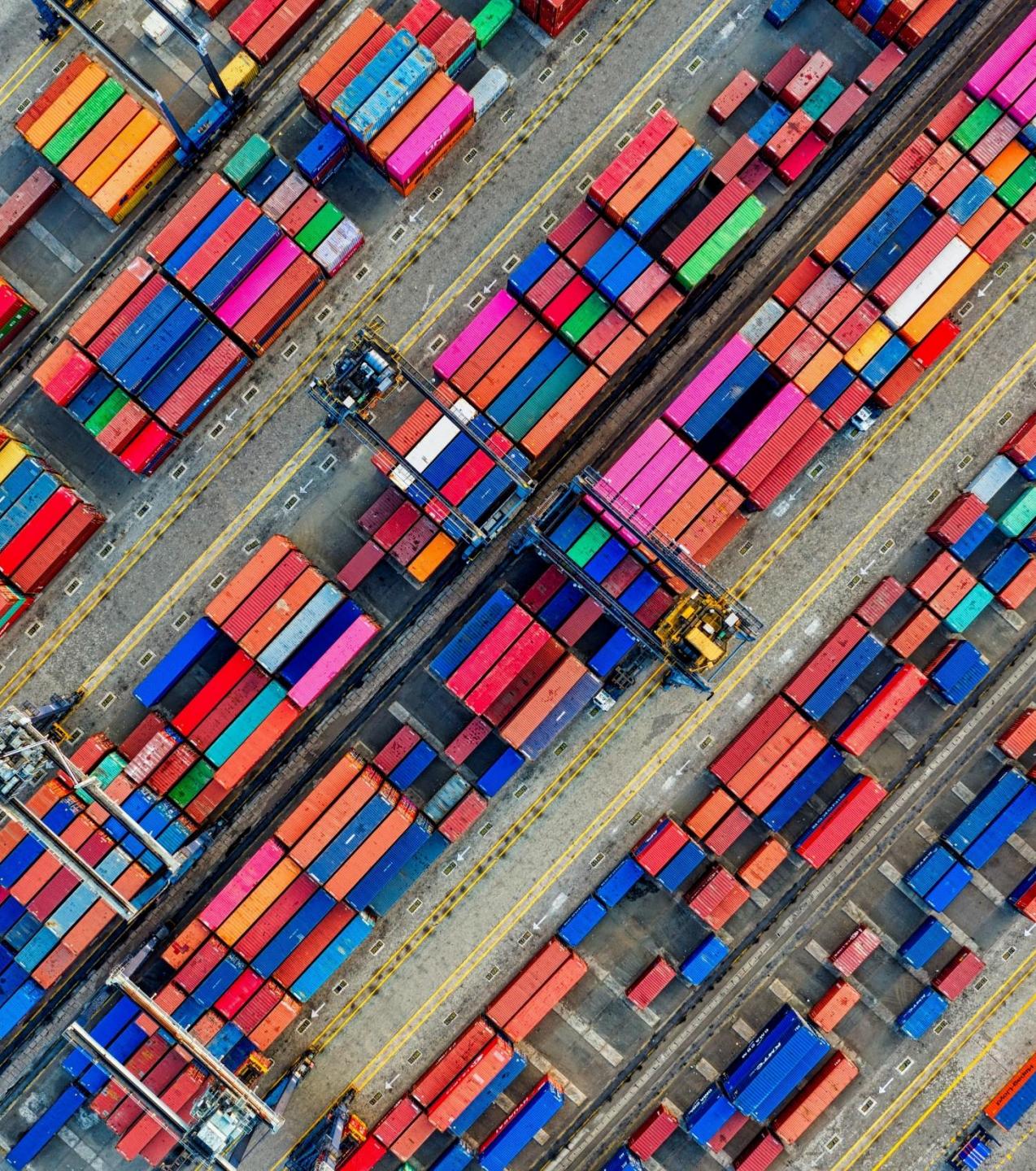


Insight



How many data sources do you have?





Do you know
where all of them
are?

**Do you know
what they are
used for?**





**Are you storing
sensitive data?**

Insights

What data do you have

Where is your sensitive data

Adoption metrics

Glossary usage

Available Insights

Data Stewardship

Assets

Glossary

Classifications

Sensitivity

Data Stewardship Insights

Data Estate

Data stewardship

View key metrics about your data estate's health and performance.

Asset curation ⓘ



Asset data ownership ⓘ



Data estate health

Collection : (Root) Contoso

...

Collection	Assets	With sensitive classifications	Fully curated	Owner assigned	No classifications
{Assets}	1,138,670	✓ ≈0%	✗ 0%	✗ ≈0%	✗ 100%
AmericasDataCenters	510	✓ 33%	✗ ≈0%	✗ 1%	⚠ 67%
EuropeDataCenters	19	✓ 11%	✗ 0%	✗ 0%	✗ 89%

Data Stewardship Insights

Catalog Adoption

Microsoft Purview > Contoso

Search catalog

12 12 Partial report
Report generated on May 9, 2023 at 7:18 PM

Health Data stewardship Catalog adoption Inventory and ownership Assets Curation and governance Glossary Classifications Sensitivity labels

« Catalog adoption View key metrics about Data Catalog engagement, retention, and use.

Monthly active users 14 ↓22% in last month Total searches 2K ↑17% in last month

Active users by feature category

Date range: Daily Weekly Monthly

Most viewed assets Last 30 days

Asset name	Curation	Views
SalesOrderHeader	Fully curated	68
Contoso CashFlow	Partially curated	13
TwoWheelsSalesData.csv	Fully curated	10
SalesOrderDetail	Partially curated	6
Account data	Not curated	6

Asset Insights

Microsoft Purview | Governance Portal > Contoso Search catalog Health Inventory and ownership Assets Curation and governance Glossary Classifications Sensitivity labels

Data assets **4.5K** Contoso Unclassified assets 2K 43% Unassigned data owner 100% Net new assets in last 30 days 103 2% Deleted assets in last 30 days 2.1K

All data assets Net new Deleted

Data assets by collection Data assets by source type

Collection : (Root) Contoso Classification category : All Classification : All Data owner : All

View details

Glossary Insights

Search assets

Glossary insights

View information about the status of your glossary terms.

Contact type : Steward Contact : All

Total terms 121	Approved terms without assets 102	Expired terms with assets 0
--------------------	--------------------------------------	--------------------------------

Term status

Snapshot of terms

Terms with assets Terms without assets

Incomplete terms

Approved Expired Draft Alert

Missing definition Missing expert Missing steward Missing multiple

Classifications Insights

Governance Portal > Contoso Search catalog 1 2 3 ? 4 parkerjones@contoso.c... User icon

Classification insights

View information about how sources, files, and tables have been classified.

Report generated on May 15, 2022 at 5:00 PM ⓘ

Total assets classified: 2,564 grid icon

Files classified: 751 document icon

Tables classified: 1,813 grid icon

Unique classifications found: 425 document icon

Sources classified: 42 document icon

Classifications (highlighted)

Sensitivity labels

Top sources with classified data (last 30 days)

The chart displays the number of sources (Y-axis, 0 to 60) across different Azure services (X-axis, dates from 4/28 to 5/15). The services are stacked, with Azure Blob Storage being the most prominent. A sharp increase is visible around May 13th.

Date	Azure Blob Storage	Azure SQL Database	Azure Data Lake Storage Gen1	Azure SQL Data Warehouse	Azure Synapse Analytics	Azure Data Lake Storage Gen2
4/28	28	15	10	5	5	5
4/29	29	15	10	5	5	5
5/1	29	15	10	5	5	5
5/2	29	15	10	5	5	5
5/3	29	15	10	5	5	5
5/4	29	15	10	5	5	5
5/5	28	15	10	5	5	5
5/6	29	15	10	5	5	5
5/7	28	15	10	5	5	5
5/8	28	15	10	5	5	5
5/9	28	15	10	5	5	5
5/10	28	15	10	5	5	5
5/11	28	15	10	5	5	5
5/12	28	15	10	5	5	5
5/13	46	15	10	5	5	5
5/14	28	15	10	5	5	5
5/15	28	15	10	5	5	5

Number of sources: 0, 15, 30, 45, 60

Legend: Azure Blob Storage, Azure SQL Database, Azure Data Lake Storage Gen1, Azure SQL Data Warehouse, Azure Synapse Analytics, Azure Data Lake Storage Gen2

Top classification categories

The chart shows the number of sources (Y-axis, 0 to 40) for five categories: Financial, Personal, Government, Miscellaneous, and Custom. Financial is the highest category.

Category	Number of sources
Financial	38
Personal	35
Government	31
Miscellaneous	28
Custom	18

Number of sources: 0, 10, 20, 30, 40

View details

Sensitivity Insights

Report generated on May 27, 2022 at 1:00 AM

Sensitivity label insights

View insights into sensitivity labels applied on your data.

Total assets labeled: 477

Files labeled: 445

Tables labeled: 32

Unique labels found: 6

Sources labeled: 32

Top sources with labeled data (last 30 days): No available data

Top labels applied across sources:

Label	Number of sources
Confidential\Microsoft FTE	~27
Secret	~4
Highly Confidential\Ninja FTE	~1
General_PurviewTest	~1
Confidential\All Employees	~1

[View details](#)

Questions





Free Version

Free Version (Preview)

Data Catalog (limited capabilities)

Data Share

Limited Data Sources

Free Version (Preview)

Limited Data Sources

Azure Blob Storage

Azure Data Lake Storage Gen 2

Azure SQL Database

Azure Subscriptions

Microsoft Fabric

Questions



A wide-angle photograph of a desert landscape featuring layered rock formations and green shrubs. In the foreground, a person's legs and feet are visible, wearing red pants and white sneakers, suggesting they are sitting on a cliff edge. The text "Live View" is overlaid in the bottom left corner.

Live View

Live View (Preview)

Users with data access permissions can find these resources and their data assets in the Purview Catalog without setup or scanning

Resources & their metadata are immediately available in free or enterprise edition

Based on RBAC permissions

Live View Fabric Limitations

Personal workspaces are NOT supported

Only Fabric item level metadata available

Power BI datasets support showing schema if not scanned

Dataflow Gen2 items displayed as Dataflow

Live View Available Resources

Azure Blob Storage

Storage account

Azure Blob Service

Container

Live View Available Resources

Azure Data Lake Storage Gen 2

Storage account

Azure Date Lake Storage Gen2 Service

File system

Live View Available Resources

Azure SQL Database

Server

Database

Schema

Tables, Columns

Live View Available Resources

Azure Subscriptions

Live View assets in subscription

Microsoft Fabric

Workspace

Item

Live View Metadata

Name

Properties

Schema

Lineage

Questions



A close-up photograph of a small brown dog, possibly a Pekingese or Lhasa Apso, lying down and wrapped snugly in a light-colored, textured blanket. The dog's dark eyes and nose are visible through the soft folds of the blanket. The background is a plain, light-colored wall.

Wrap Up



Thank You!



@SQLSwimmer@dataplatform.social



SQLSwimmer.com



\in\angelahenrydba

References/Resources

[New Purview Portal](#)

[Free Version of Purview](#)

[Upgrade Free to Enterprise](#)

[Get Started With Free Version](#)

References

[Microsoft Purview Learn Material](#)

[Classification](#)

[Data Lineage](#)

[Workflows](#)

[Supported Data Sources](#)

References

[REST API](#)

[Data Policies](#)

[Data Insights](#)

[Purview Portal Roles](#)

[Get Started Checklist](#)