

Managing access to data sources in your data estate with Microsoft Purview



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Agenda

- What is Microsoft Purview (short version)
- Policies
 - Data Owner policies
 - Dev Ops Policies
 - Self-Service access policies
- Wrap up

Azure Purview is now Microsoft Purview

Microsoft Purview brings together trusted products for governance and compliance under one umbrella so it's easier to manage all of your data.

Microsoft Purview

The future of compliance and data governance

Risk & compliance

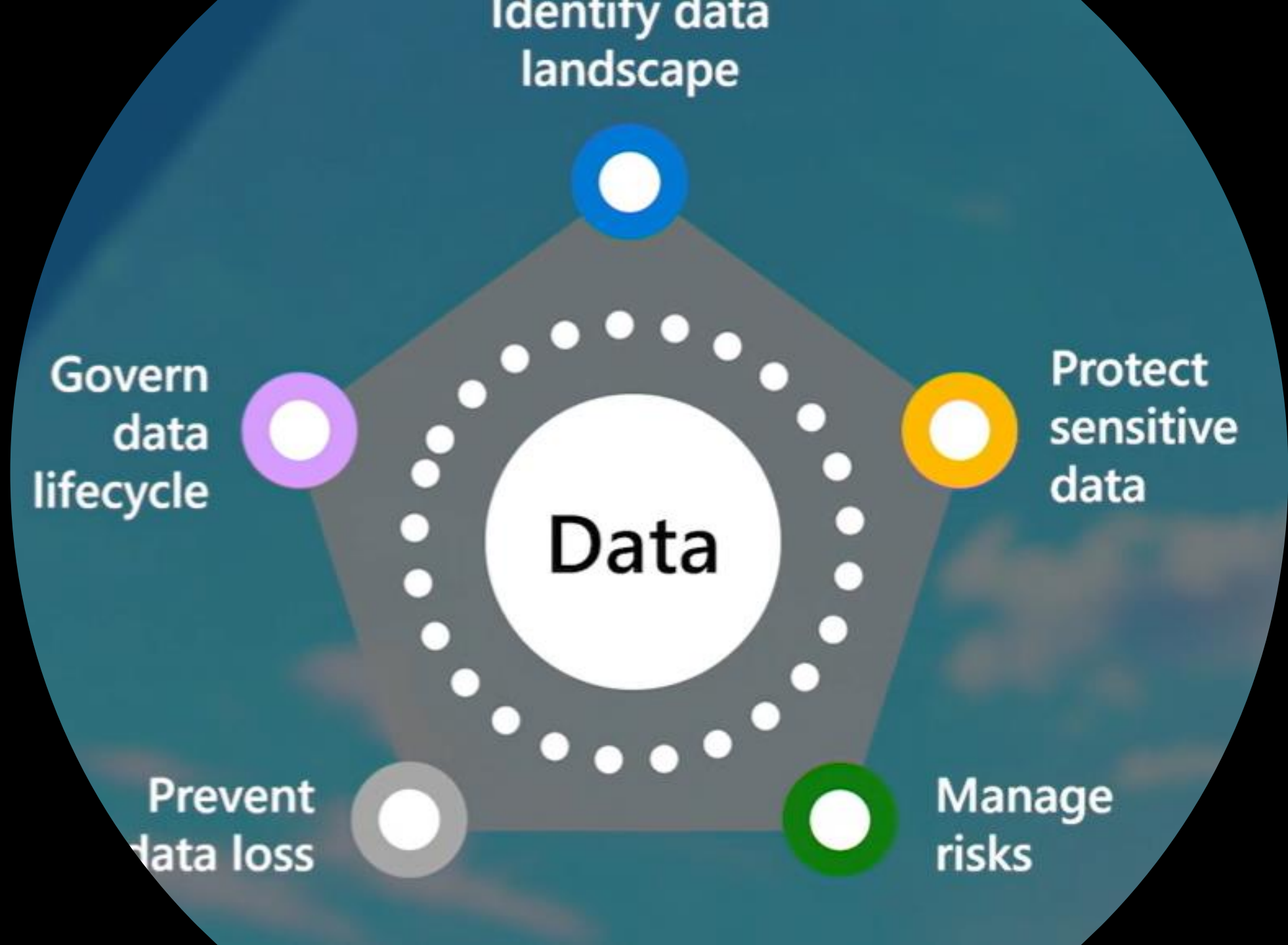
For risk, compliance, and legal teams

Former Name	New Name
Microsoft 365 Advanced Audit	Microsoft Purview Audit (Premium)
Microsoft 365 Basic Audit	Microsoft Purview Audit (Standard)
Microsoft 365 Communication Compliance	Microsoft Purview Communication Compliance
Microsoft Compliance Manager	Microsoft Purview Compliance Manager

Microsoft Purview

Unified data governance

For data consumers, data engineers, data officers

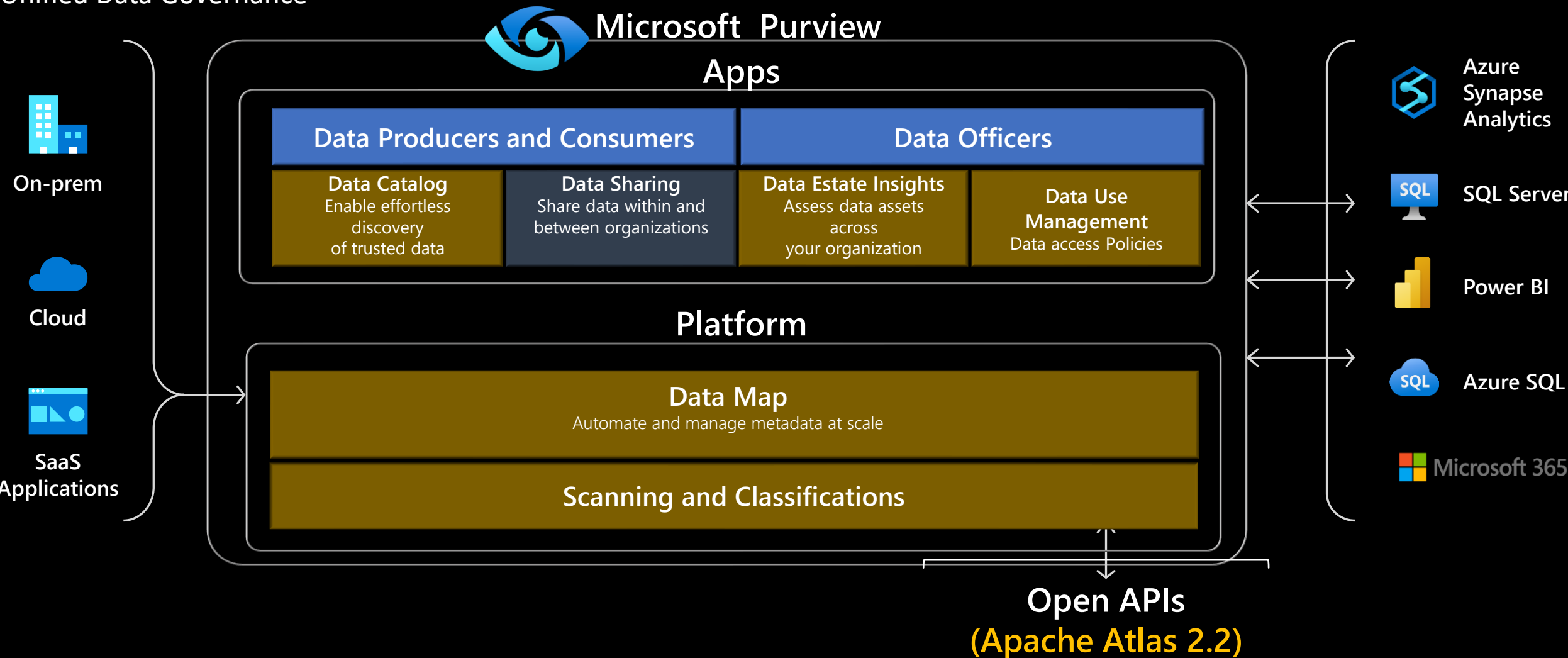


Generally Available

Preview

Microsoft Purview

Unified Data Governance



Microsoft Purview Overview

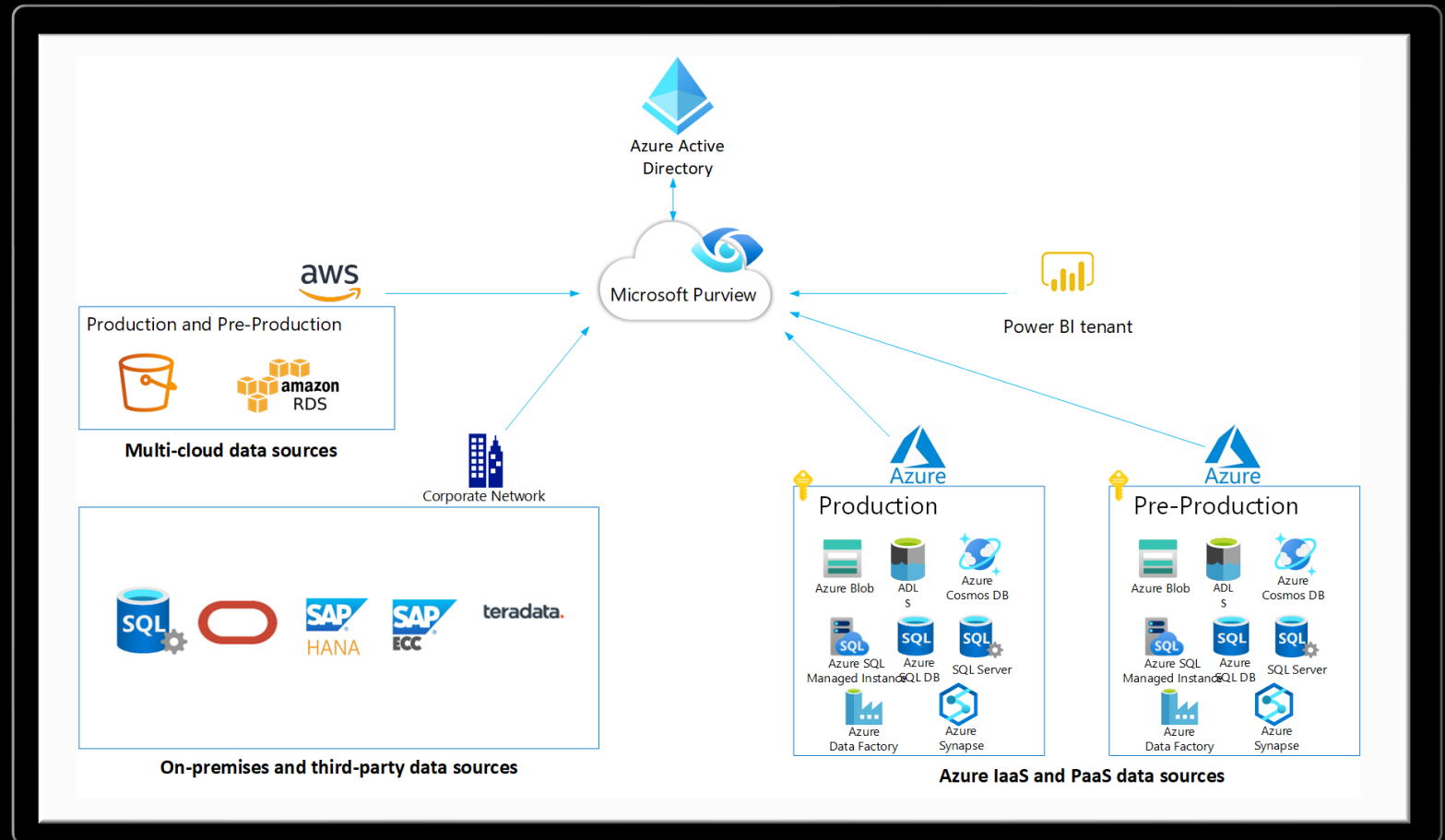
Power BI

Azure IaaS and PaaS Data sources

AWS

On-Premise data sources

Third-Party datasource





Policies



Microsoft Purview Data Policy App

- A single-pane of glass, cloud-based experience that enables at-scale provisioning of access to data
- A new data-plane permission model that is external to data sources
- Seamless integration with Microsoft Purview Data Map and Catalog
 - Request / grant access on data assets that are easily discoverable
 - Path to leverage all associated metadata
 - Path to support on-prem and multi-cloud data sources
- Access decision in Microsoft data systems has minor latency penalty

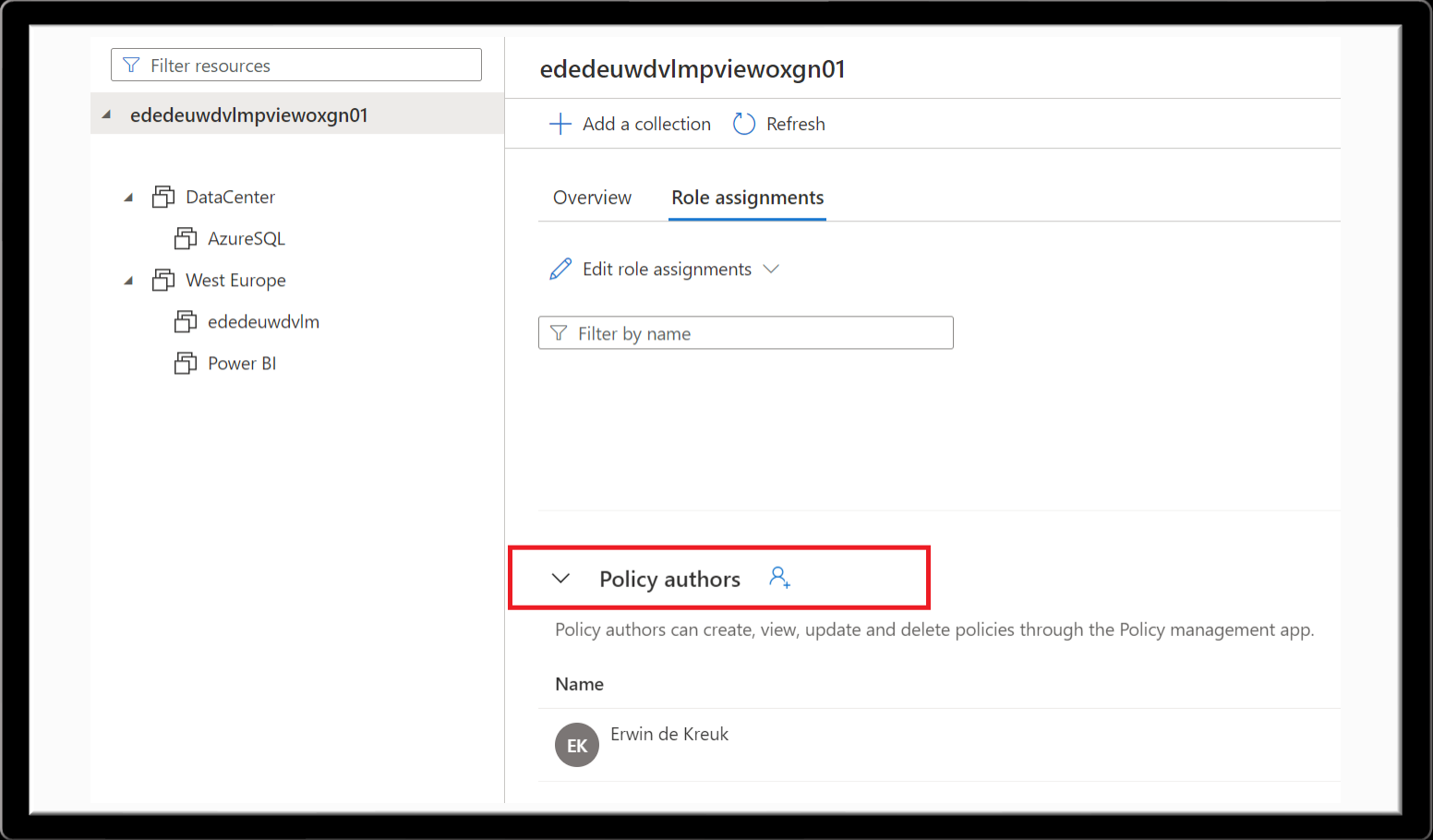
Policies

Resource:

- IAM Owner
- IAM Contributor and IAM User Access Administrator

Purview Resource:

- Data Source Admin
- Policy authors



Policies

- Data owner access
- Dev Ops
- Self Service

Enable on Resources Level

Edit source (Azure Resource Group)

Name *

LS_SUB_RG_DVLM

Management group

Select a management group

Subscription

ededeuwdvmpviewoxgn01 > West Europe > ededeuwdvml

Resource group

EDD-LAW-DEVELOPMENT-OXYGEN-RC

Select a collection * ⓘ


ededeuwdvmpviewoxgn01 > West Europe > ededeuwdvml

i All assets under this source will belong to the collection you select.

Data use management

Allow data access policies to be assigned to this source. [Learn more](#)

☒ Enabled



Data Owner
Dev Ops
Self Service access


Data Owner policies

Currently in Preview

- Azure Storage
- Azure SQL
- Azure Arc Enabled
- Resource Groups
- Subscription

Data resources

Select a type of data resource to apply your policy statement to.



Data sources

Systems where data is stored. Sources can be hosted in various places such as a cloud or on-premises.

Data source type *

Azure SQL Database


Select data source

Select the data source you want this policy to be applied to.

Filter for data sources

☒ Recursive

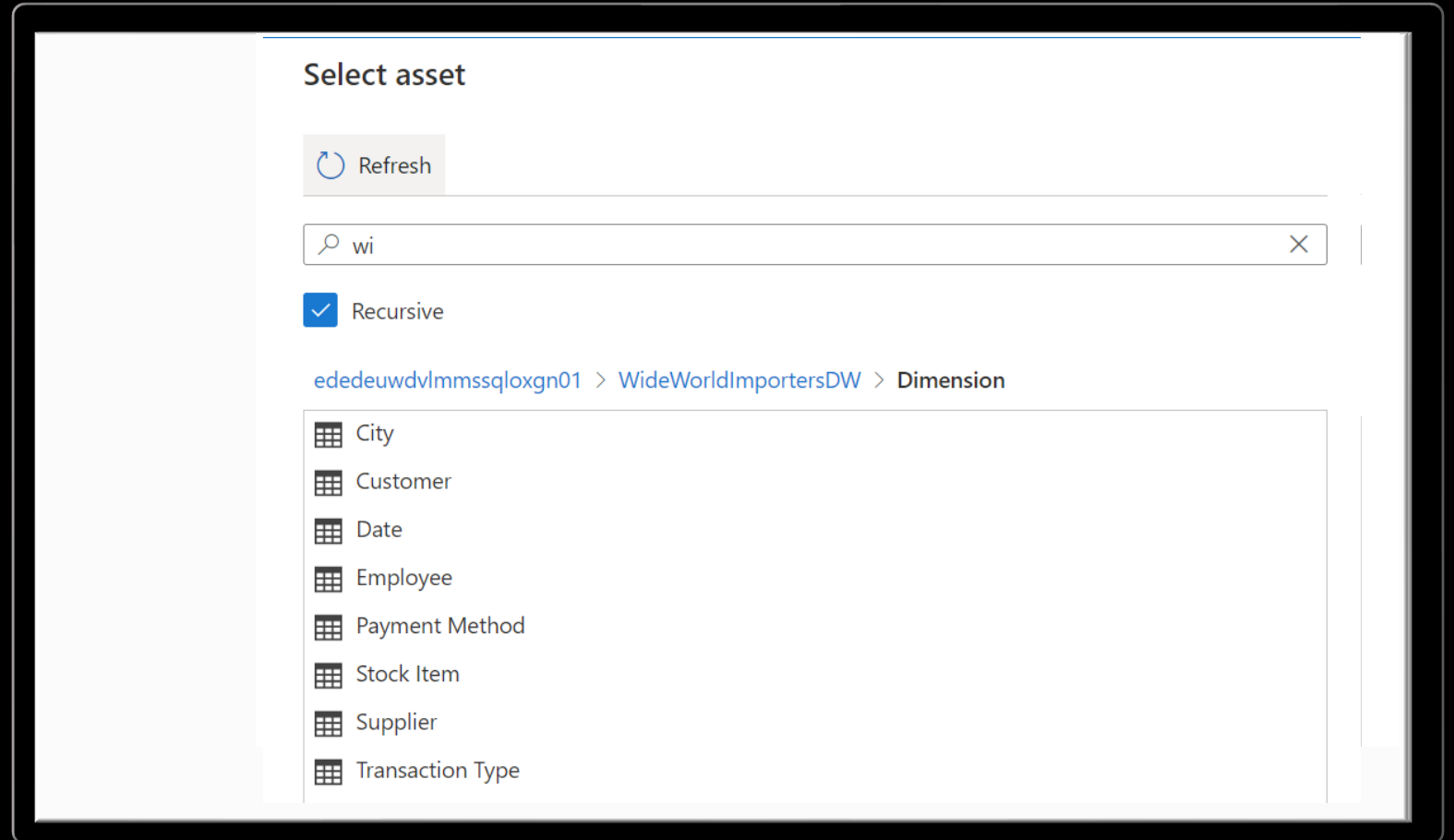
Showing 1 - 1 of 1 items.

Data source name	Hierarchy	Registered on ↓
 ededeuwdvImmsqlxgn01	Microsoft Azure Spo...	10/19/2022 4:37 PM

Data Owner policies

Currently in Preview

- Azure Storage
- Azure SQL
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Dev Ops policies


Manage Access to System Metadata

- SQL Performance Monitoring
- SQL Security Auditing

DevOps roles

SQL Performance monitor SQL Security auditor

SQL Performance Monitor allows read access to performance related system views

 Add/remove subjects

Subjects

Selected users, groups, and applications will show up here.

- WideWorldImportersDW
 - Database Diagrams
 - Tables
 - System Tables
 - External Tables
 - Graph Tables
 - Views
 - System Views
 - INFORMATION_SCHEMA.CHECK_CONSTRAINTS
 - INFORMATION_SCHEMA.COLUMN_DOMAIN_USAGE
 - INFORMATION_SCHEMA.COLUMN_PRIVILEGES
 - INFORMATION_SCHEMA.COLUMNS
 - INFORMATION_SCHEMA.CONSTRAINT_COLUMN_USAGE
 - INFORMATION_SCHEMA.CONSTRAINT_TABLE_USAGE
 - INFORMATION_SCHEMA.DOMAIN_CONSTRAINTS
 - INFORMATION_SCHEMA.DOMAINS
 - INFORMATION_SCHEMA.KEY_COLUMN_USAGE
 - INFORMATION_SCHEMA.PARAMETERS
 - INFORMATION_SCHEMA.REFERENTIAL_CONSTRAINTS
 - INFORMATION_SCHEMA.ROUTINE_COLUMNS
 - INFORMATION_SCHEMA.ROUTINES
 - INFORMATION_SCHEMA.SCHEMATA
 - INFORMATION_SCHEMA.SEQUENCES
 - INFORMATION_SCHEMA.TABLE_CONSTRAINTS
 - INFORMATION_SCHEMA.TABLE_PRIVILEGES
 - INFORMATION_SCHEMA.TABLES
 - INFORMATION_SCHEMA.VIEW_COLUMN_USAGE
 - INFORMATION_SCHEMA.VIEW_TABLE_USAGE
 - INFORMATION_SCHEMA.VIEWS

Self-service access policies

Data Access (Governance)

- Azure SQL Database
- Azure Storage
- Expiration Functionality

The screenshot displays the 'Data access request' form in Microsoft Purview. The form is titled 'Start and wait for an approval' and includes the following fields:

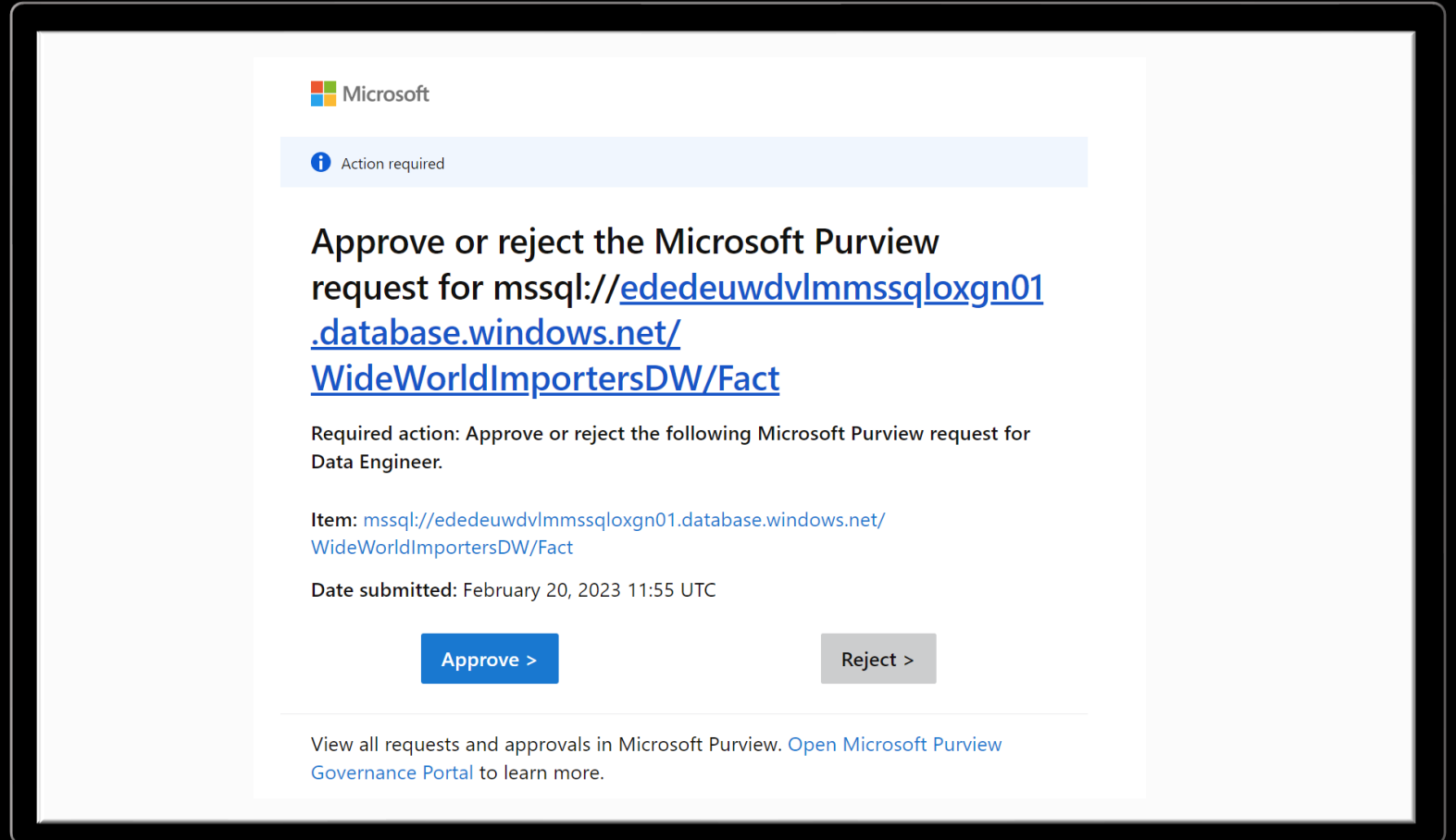
- Approval type ***: A dropdown menu with the selected option 'Approve/Reject - Everyone must approve'.
- Title ***: A text input field containing 'Approval Request for Data Access Request'.
- Assigned to ***: A text input field with the placeholder 'Search by name or email address'.
- Reminder settings**: A toggle switch set to 'On'.
- Reminder interval ***: A dropdown menu with the selected option '1 day'.
- Expiry settings**: A toggle switch set to 'On'.
- Expire After ***: A dropdown menu with the selected option '1 month'.
- Notify on expiration**: A text input field with the placeholder 'Search by name or email address'.

The 'Expire After' and 'Notify on expiration' fields are highlighted with red boxes. The form is part of a larger workflow, as indicated by the 'Data access request' header and the 'Microsoft Purview workflow' sub-header.

Self-service access policies

Data Access (Governance)

- Azure SQL Database
- Azure Storage
- Expiration Functionality
- Approval



The screenshot displays a Microsoft Purview request approval interface. At the top, the Microsoft logo is visible. Below it, a light blue banner with an information icon and the text "Action required" is present. The main heading reads "Approve or reject the Microsoft Purview request for mssql://[ededeuwdvImssqlxgn01.database.windows.net/WideWorldImportersDW/Fact](#)". Below this, the text "Required action: Approve or reject the following Microsoft Purview request for Data Engineer." is shown. The "Item" is listed as "mssql://[ededeuwdvImssqlxgn01.database.windows.net/WideWorldImportersDW/Fact](#)". The "Date submitted" is "February 20, 2023 11:55 UTC". At the bottom, there are two buttons: "Approve >" (blue) and "Reject >" (grey). A footer link states "View all requests and approvals in Microsoft Purview. [Open Microsoft Purview Governance Portal](#) to learn more."

Key takeaways

Microsoft Purview data policies provide:

- A single-pane of glass, cloud-based experience
- Seamless integration with Microsoft Purview Data Map and Catalog
- At-scale access provisioning
- Visibility into who has access
- Reduced need for privileged accounts to configure access

What is coming next

- Microsoft Purview Data Policy App and Microsoft Purview DevOps policies went into GA on Nov 16th, 2022.
- The newest supported data source is Azure SQL MI, to launch private preview by Feb'23 end. [Enrollment form](#)
- Right now, customers can try DevOps policies for free, for a limited promo period expected to end in April. We will announce to customers 30 days before billing starts. Data sources in private preview will continue to be free.

Thank you for attending!



<https://sqlb.it/?9813>



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