Microsoft | Microsoft Fabric

Govern your data on Fabric and Beyond
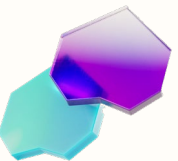
# Speaker Intro



Gabi Münster
Senior Program Manager  (Fabric CAT)
Member of German Data Platform community since 2008
First community session 2011
First international session 2014
User Group lead since 2017

# Agenda / Distribution

- Introduction

- Managing your data estate

- Enable users to discover data

- Securing your data estate

- Monitor your data estate

- Conclusion

# Microsoft Fabric

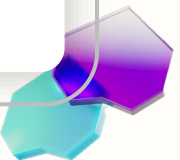| Data Factory | Data Engineering | Data Warehouse | Data Science | Real-Time Intelligence | Power BI | Partner & Industry workloads |

**Copilot in Fabric**
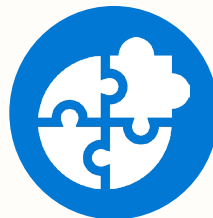
**OneLake**

**Microsoft Purview**

# Latest trends and developments

### Data marketplace envisioning
*Develop a future in where data is easily accessible and quickly available to anyone who needs it.*

### Self-serve data analytics
*Empowering customers with self-service and personalized user experience, so they can drive the value creation themselves..*
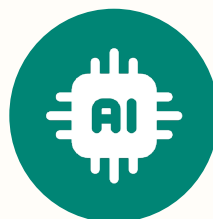
### Embracing data product thinking
*Data product thinking by treating data as a valuable asset that can be leveraged to create innovative products and services.*
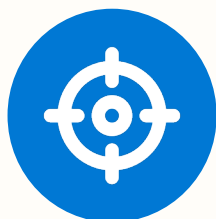
### Architectures for specific business units
*Scalability by domain-orientation to support the needs of specific business domains.*

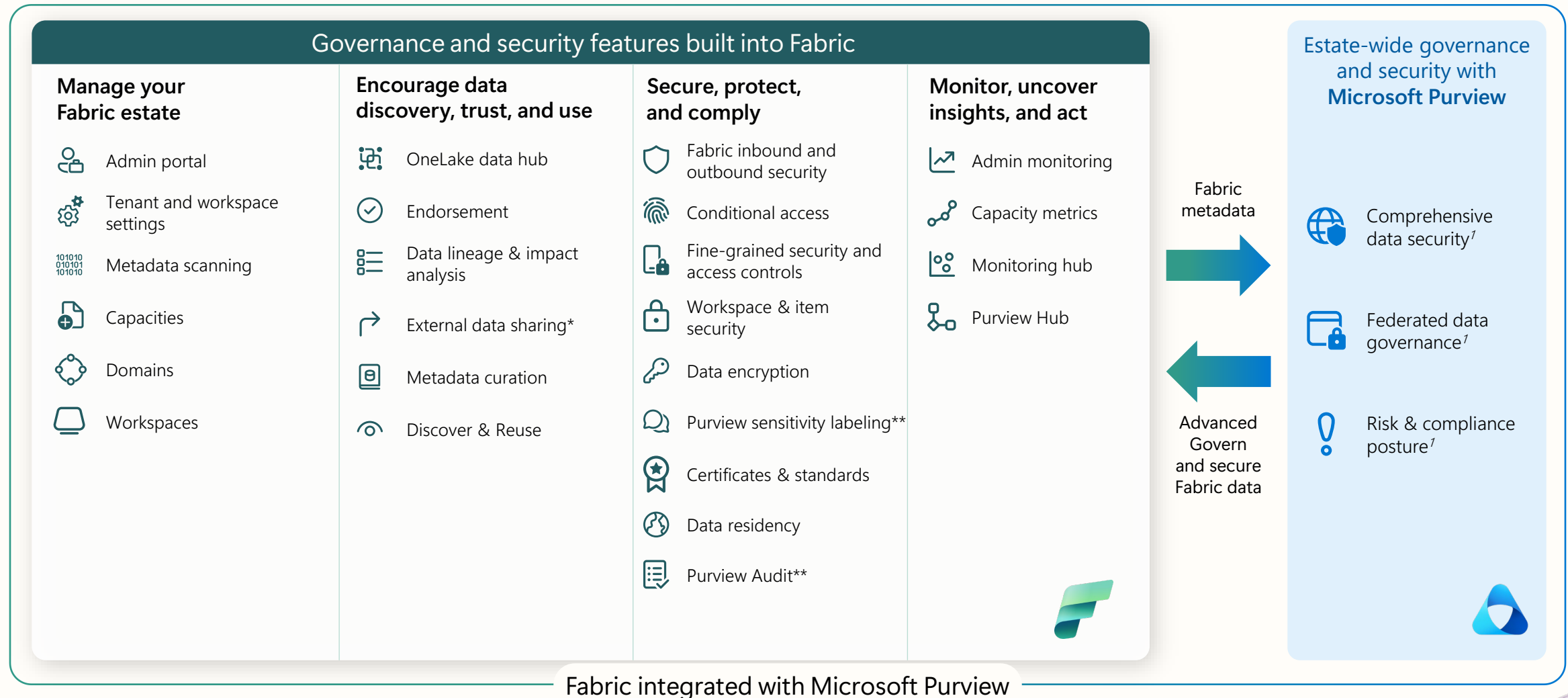### Infusion of AI-based assistant models
*Enhanced report creation, data analysis, data engineering, SQL and Python development using Copilots.*

### Computational and community-based data governance
*Strong governance to improve data quality, ownership, and accountability by establishing standardized governance policies and procedures.*
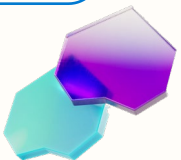
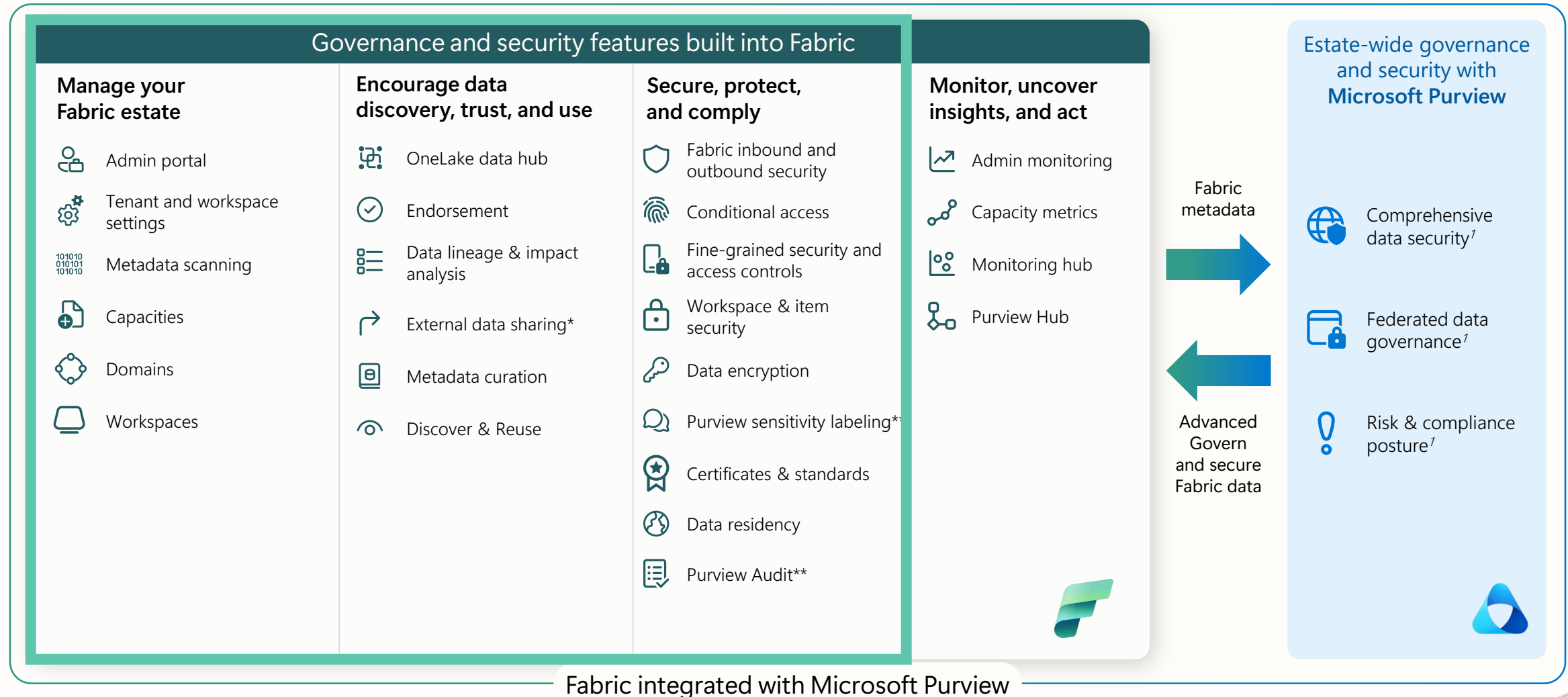# Gain full visibility and control with industry-leading features

## Governance and security features built into Fabric

### Manage your Fabric estate

- Admin portal
- Tenant and workspace settings
- Metadata scanning
- Capacities
- Domains
- Workspaces

### Encourage data discovery, trust, and use

- OneLake data hub
- Endorsement
- Data lineage & impact analysis
- External data sharing*
- Metadata curation
- Discover & Reuse

### Secure, protect, and comply

- Fabric inbound and outbound security
- Conditional access
- Fine-grained security and access controls
- Workspace & item security
- Data encryption
- Purview sensitivity labeling**
- Certificates & standards
- Data residency
- Purview Audit**

### Monitor, uncover insights, and act

- Admin monitoring
- Capacity metrics
- Monitoring hub
- Purview Hub

Fabric metadata

Advanced Govern and secure Fabric data

### Estate-wide governance and security with Microsoft Purview

- Comprehensive data security[1]
- Federated data governance[1]
- Risk & compliance posture[1]

Fabric integrated with Microsoft Purview

*Features coming soon

**Additional Microsoft Purview purchase required

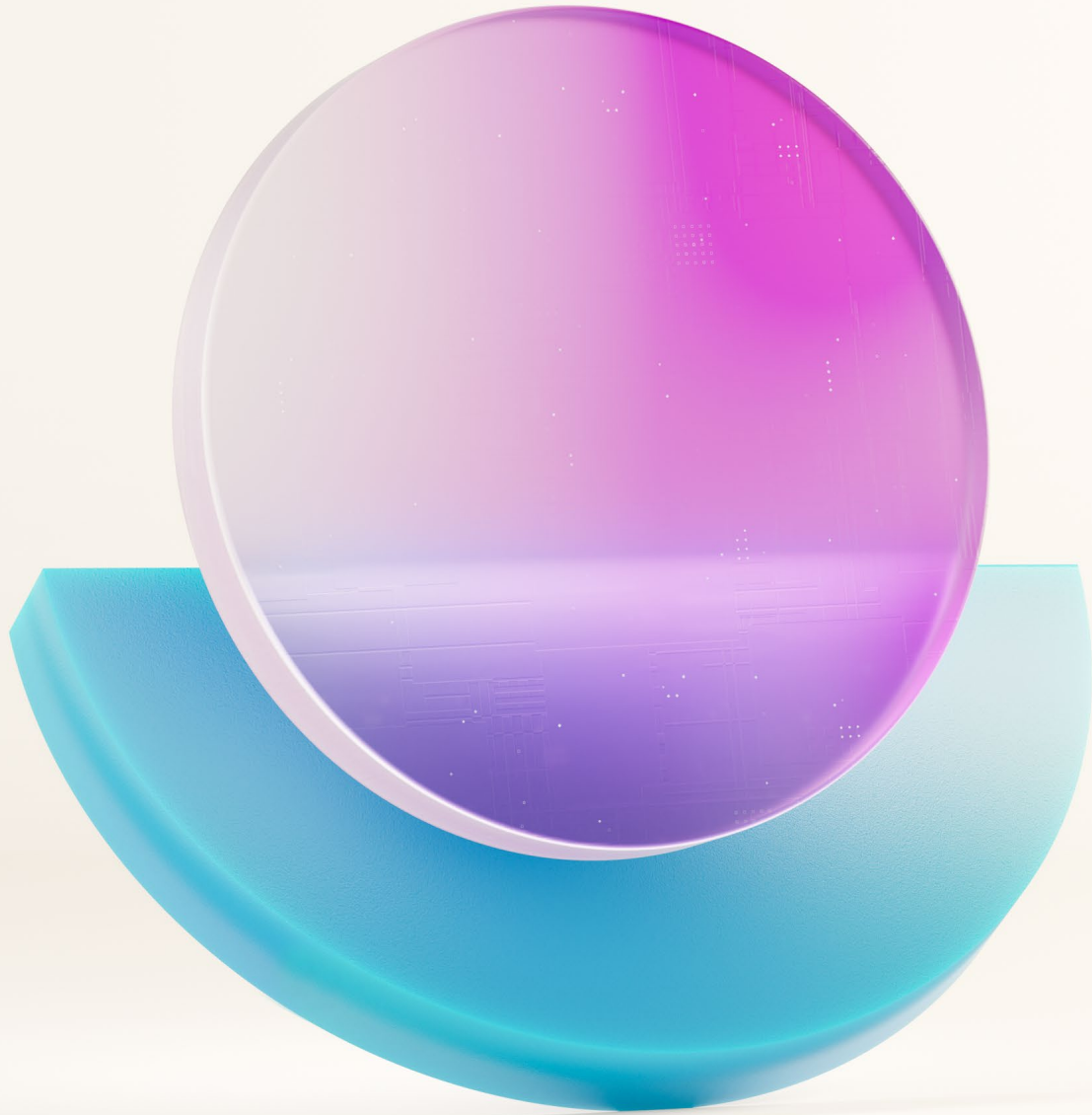# Gain full visibility and control with industry-leading features

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Fabric metadata →

← Advanced Govern and secure Fabric data

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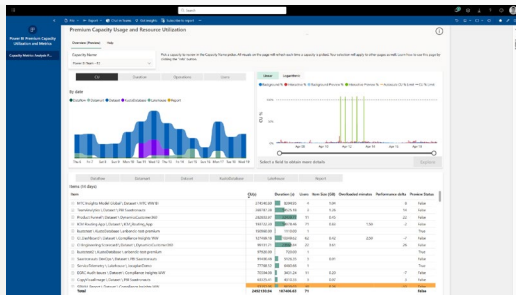
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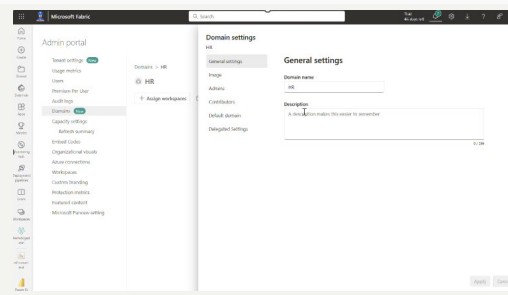
Manage your
Fabric estate

# Organize and manage your estate



## Capacities

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

## Domains and subdomains

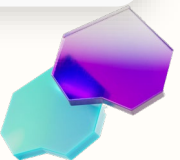Group data and workspaces together into a domain and sub domains to establish a data mesh architecture

## Workspaces

Group items like lakehouses, warehouses, and reports into workspaces to organize and more easily manage items together
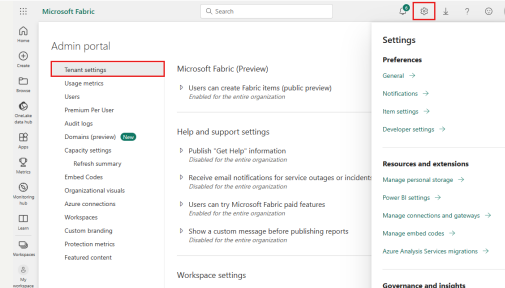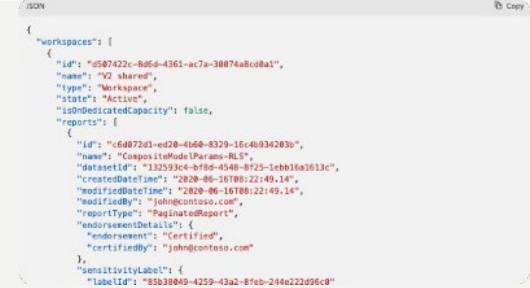
# Easily configure settings across your tenant
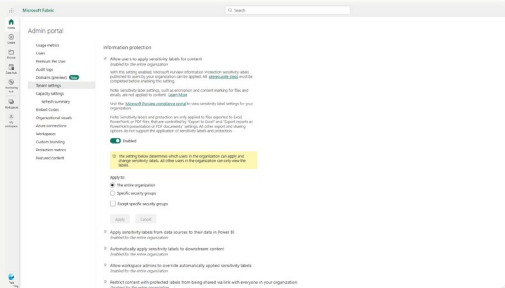
## Admin portal

Centrally manage, review and apply tenant, domain and capacity settings for the entire Fabric tenant

## Tenant and workspace settings

Gain fine-grained control over the features that are made available to your organization and govern workspaces, domains, and capacities across your tenant

## Connect to external tools

Easily extract information such as item name, owner, domain id, lineage, sensitivity label, and endorsement status for all items across Fabric, and connect to your 3rd party or homegrown tools
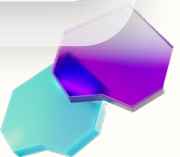
# Purview Data Governance Experience Structure

**Microsoft Purview Tenant**

**Catalog and Data Estate Health**

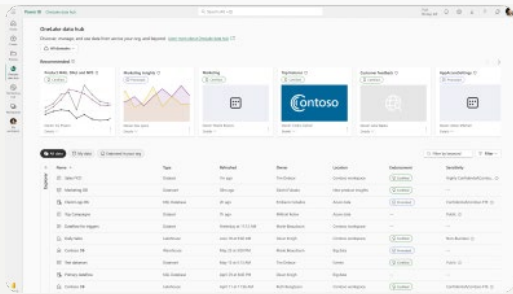Governance Domain

**Data Map**
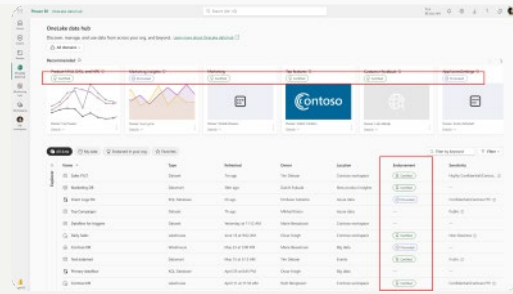
Technical Domain

# Demo

Encourage data discovery, trust, and use

# Responsible democratize your data in a searchable, trusted repository



## OneLake data hub

Find, explore, and use the Fabric data items in your organization that you have access to in one, central hub
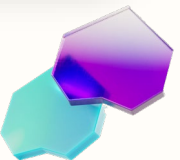
## Endorsements

Endorse or mark items as discoverable high-quality content in Fabric to create curated sources of truth and increase discoverability and reuse
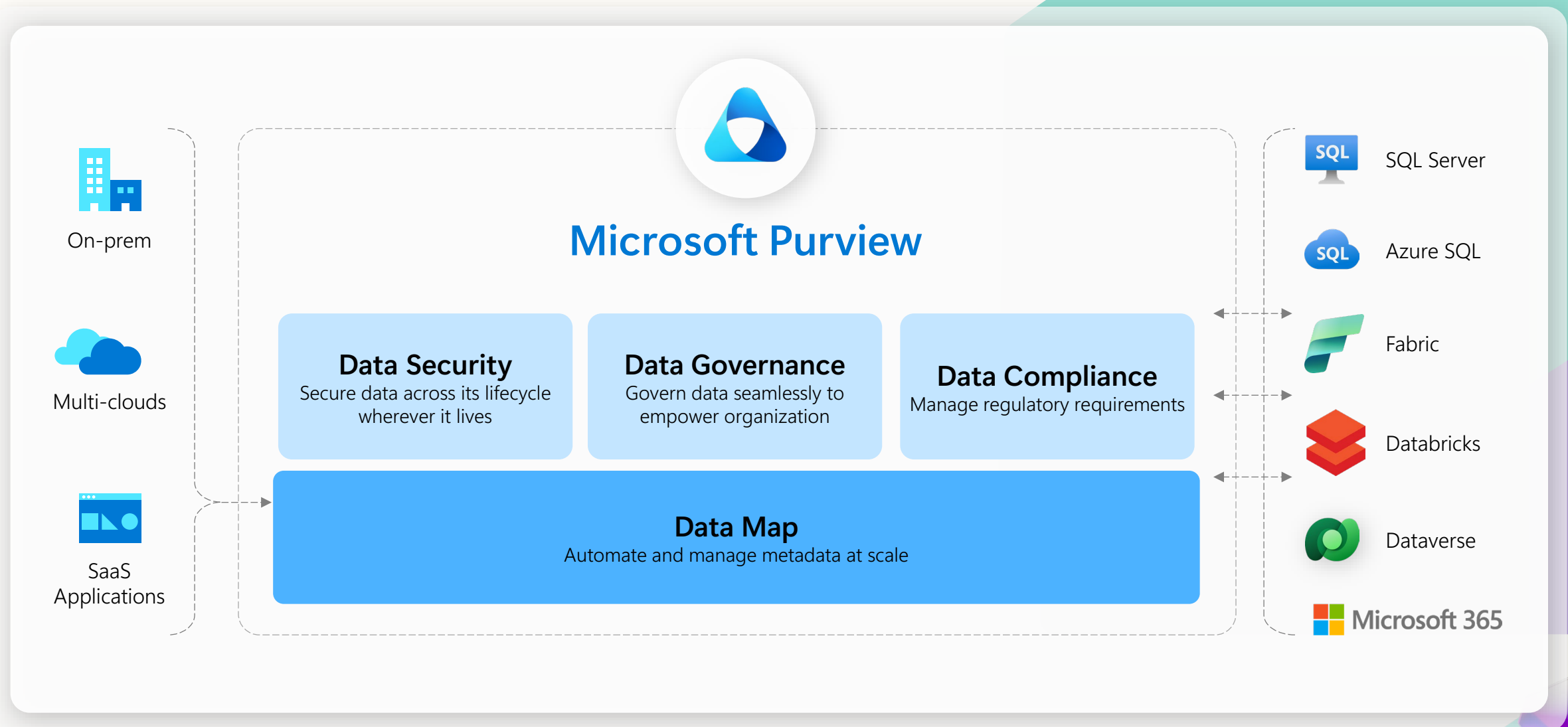
## Data lineage and impact analysis

See lineage view of analytical projects to see how data flows through items and perform impact analysis to assess impact of changes

# Govern and secure your data estate

**Microsoft Purview**

On-prem

Multi-clouds

SaaS
Applications

### Data Security
Secure data across its lifecycle wherever it lives

### Data Governance
Govern data seamlessly to empower organization

### Data Compliance
Manage regulatory requirements

### Data Map
Automate and manage metadata at scale

SQL Server

Azure SQL

Fabric

Databricks

Dataverse

Microsoft 365

# Demos
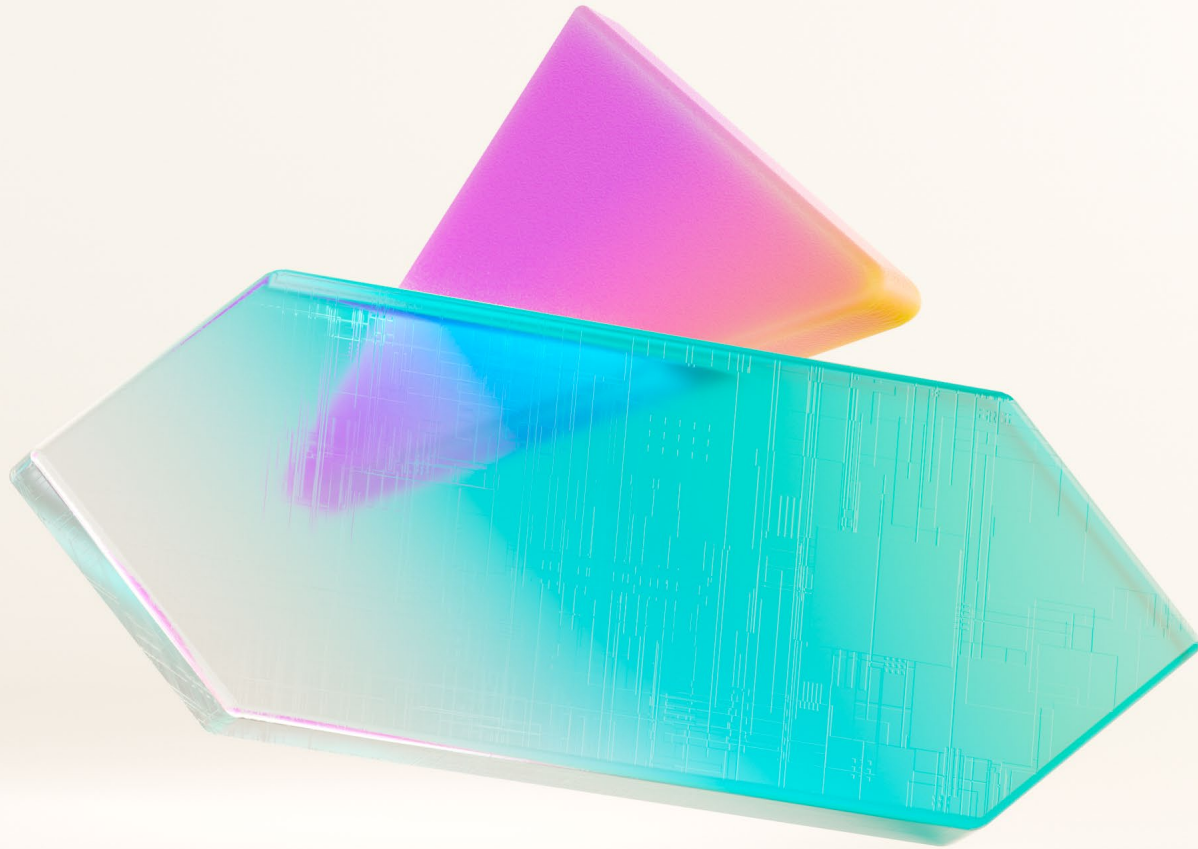
Unmatched
security and
compliance

# Security layers in Microsoft Fabric

**Network & Platform**

**Control Plane**

**Data Plane**

**Your data 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

# Security layers in Microsoft Fabric

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Data security

**Your data in Fabric**

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# Ensure only the right people have the right access to the right data



**Workspace and item security**

Easily manage security at the workspace and item level, ensuring only the right people have access

**Information protection labels***

Classify sensitive Fabric data using the same sensitivity labels that are used in Microsoft 365—enforced even when the data is exported

**Fine-grained security and access controls**

Define granular access to data in Fabric items using fine-grained access control like object and row level security

*Additional purchase required

# Govern and secure your data estate



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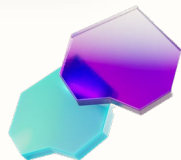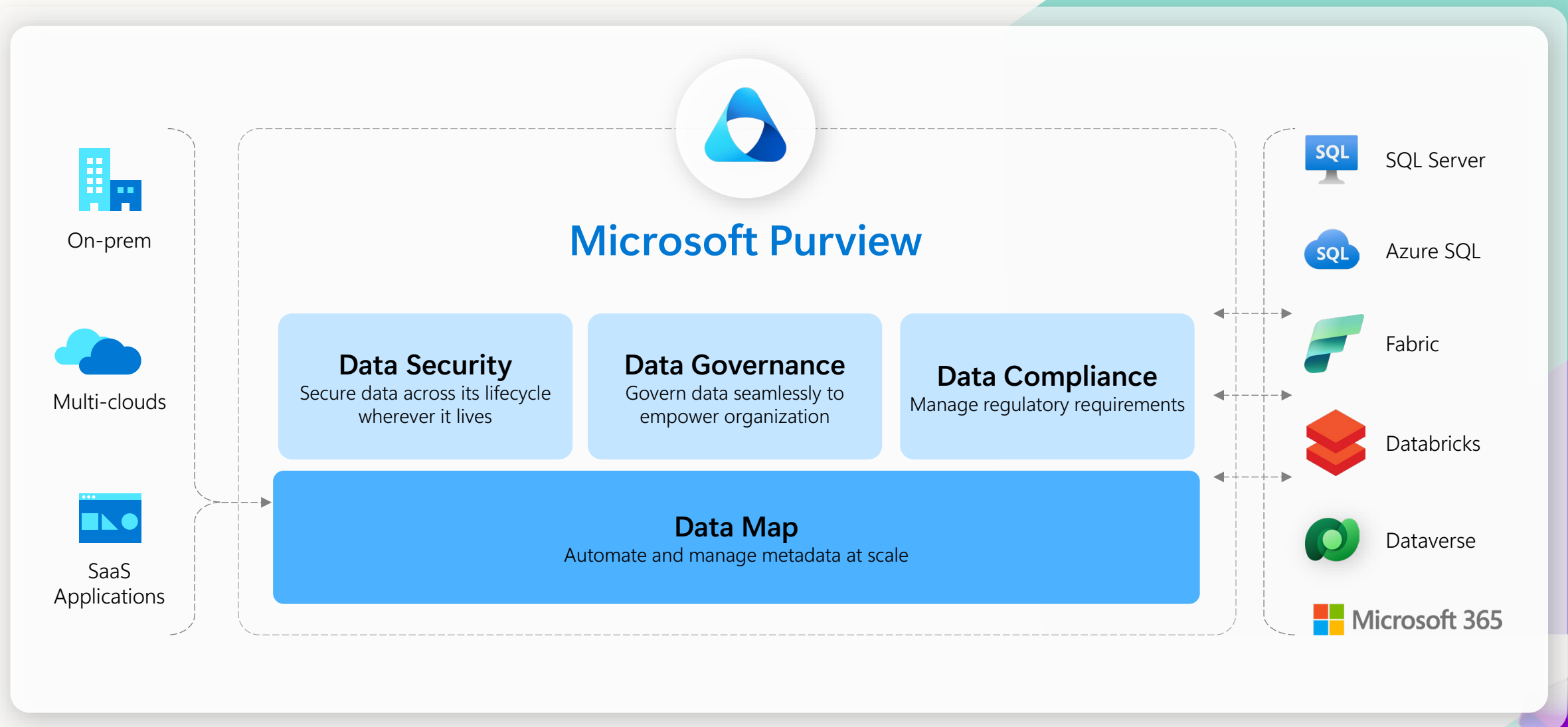
Microsoft 365

# Remain in compliance with even the strictest requirements



## Certifications and standards

Microsoft Fabric, as a core online service, supports a wide range of compliance standards including GDPR, EUDB, HIPAA, ISO certifications and more
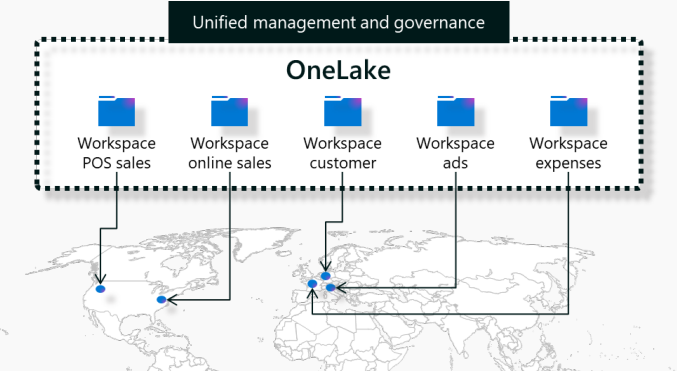
## Data residency

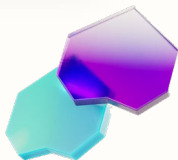Control where your data is stored and meet data residency requirements with over 54 data centers world-wide
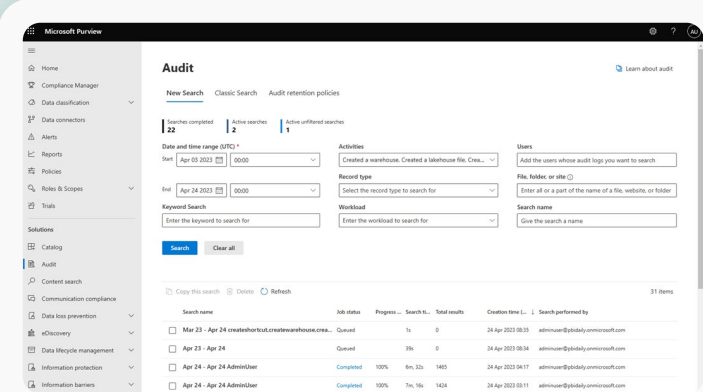
## Microsoft Purview Audit*

Log user activities from Microsoft Fabric to support security, forensic, and internal investigations

*Additional Microsoft Purview purchase required

# Demo

# Microsoft Fabric can integrate with any provider

Seamlessly add Fabric to your existing security and governance solutions to gain integrated visibility and protection across your data estate.

atlan

Alation

Informatica®

Collibra

In-house governance

# Get started today

Explore the Microsoft Fabric experience here

**https://aka.ms/try-fabric**

Try using Microsoft Purview to govern your data

**https://aka.ms/Try-Purview-Governance**

Read Fabric governance and Purview integration Microsoft Docs

**https://aka.ms/Fabric-Purview-Docs**

See the latest announcements in the Microsoft Fabric blog site

**https://aka.ms/fabric-tech-blog**

Microsoft

Thank you