DYNUG 2026

What's new in Microsoft Fabric



From your data to useful AI and apps

01 Where it is heading

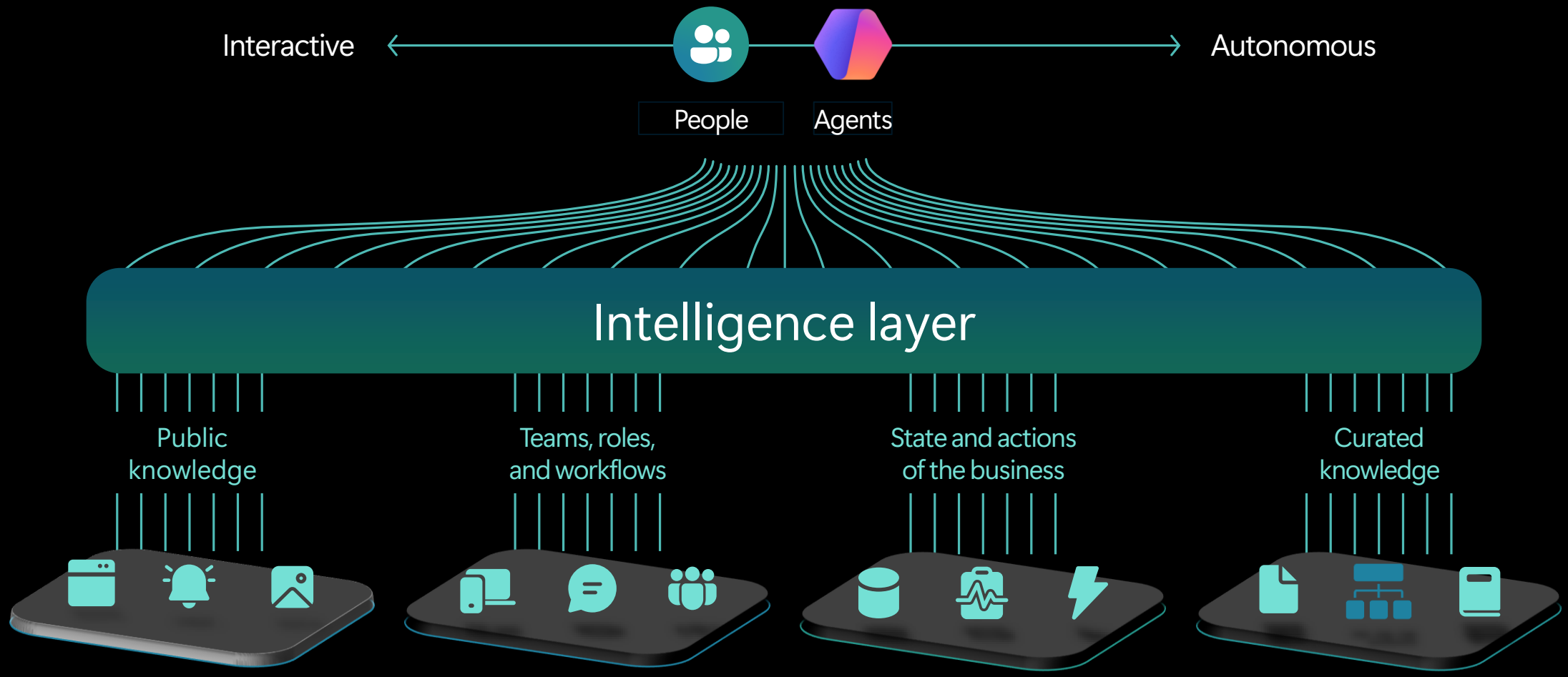
02 What is new and what you can use

Hanif Tadjik

Solution Architect | Microsoft

24 November 2026

Your people. Your agents. Your IQ.



Microsoft IQ

Unified context and intelligence for enterprise AI

Web IQ

"How you connect to real-world information"

Context from the web, news, images and video

Work IQ

"How your employees work"

Context on people, collaboration, and workflows

Fabric IQ

"The state of your business"

Context on business entities, systems of record, and actions

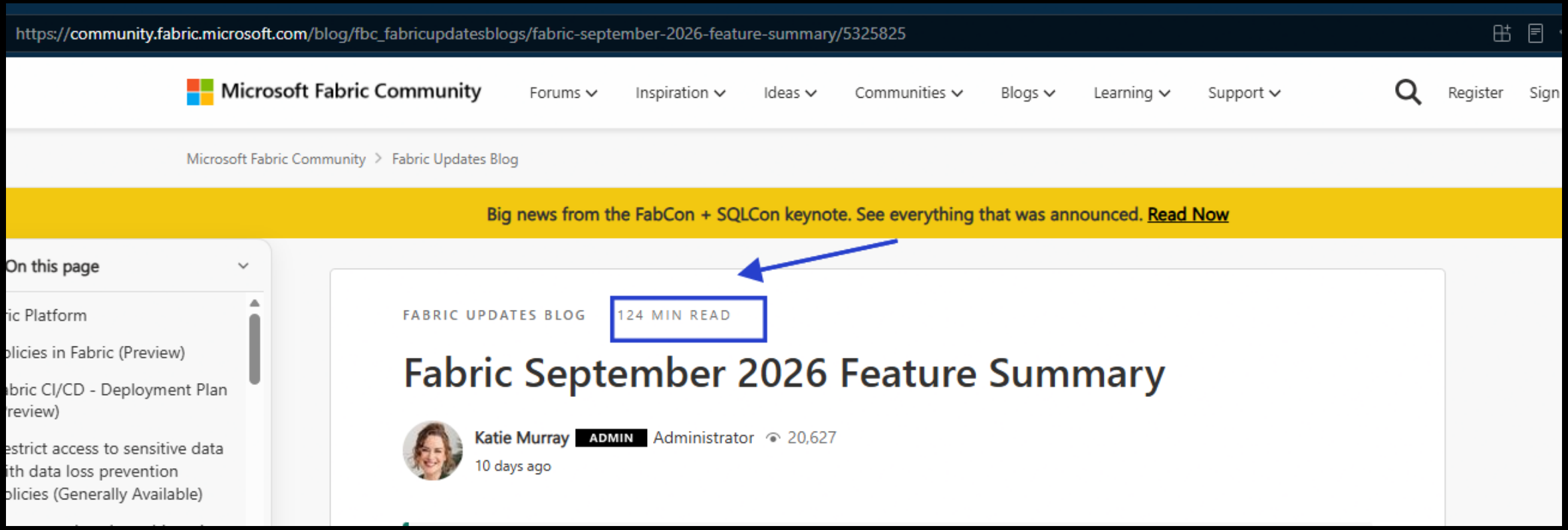
Foundry IQ

"Your institutional knowledge"

Context on policies, authoritative documents, and knowledge bases

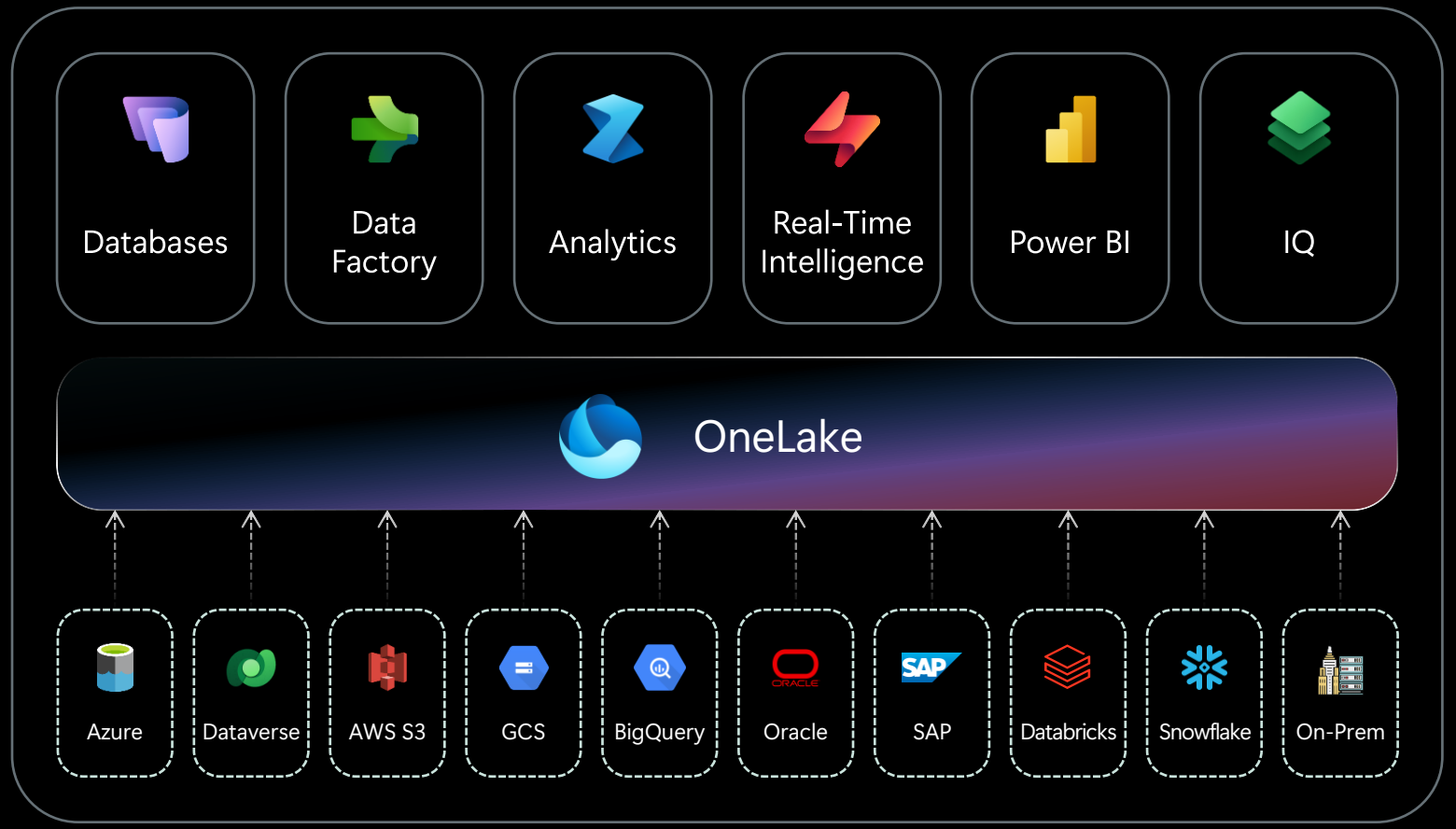
Frontier Transformation with Fabric




https://community.fabric.microsoft.com/blog/fbc_fabricupdatesblogs/fabric-september-2026-feature-summary/5325825
Microsoft Fabric Community
Forums
Inspiration
Ideas
Communities
Blogs
Learning
Support
Register
Sign
Microsoft Fabric Community
Fabric Updates Blog
Big news from the FabCon + SQLCon keynote. See everything that was announced. Read Now
On this page
ic Platform
olicies in Fabric (Preview)
abric CI/CD - Deployment Plan
review)
estrict access to sensitive data
ith data loss prevention
olicies (Generally Available)
FABRIC UPDATES BLOG
124 MIN READ
Fabric September 2026 Feature Summary
Katie Murray
ADMIN
Administrator
20,627
10 days ago

Unifying Data in OneLake

Across on-prem and any cloud. All apps, databases, files. Zero ETL.

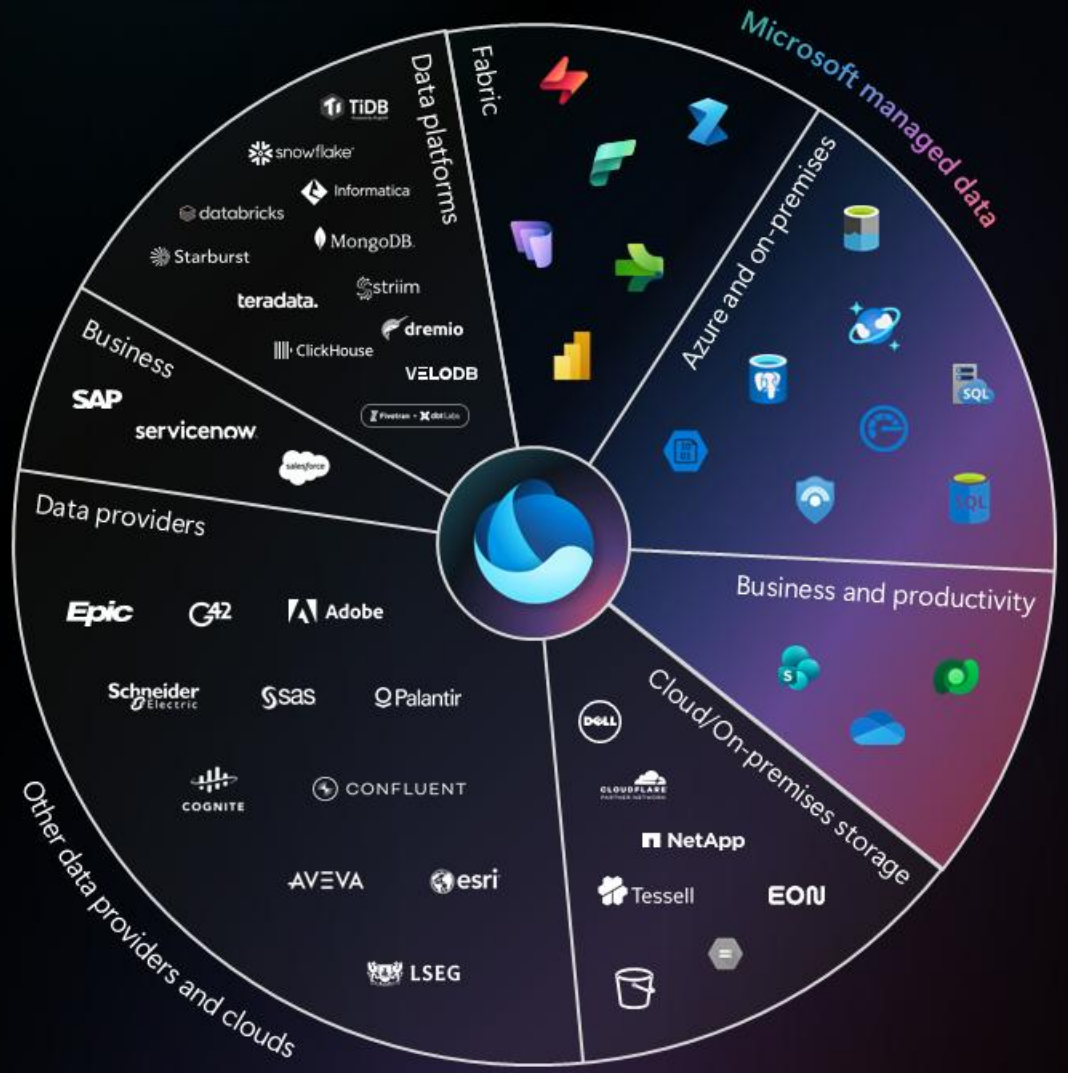


First multi-cloud SaaS data lake, open and interoperable by design

Shortcuts connect data in place across clouds and on-premises

Mirroring creates reflections of entire databases in OneLake

Both are free: no ingestion or duplication charges



Shortcut and Mirror Sources

Public preview

Dynamics 365 Business Central

Data mirroring into Fabric

Generally available

- Google BigQuery
- SharePoint + OneDrive

Public preview

- Azure Monitor
- AWS Glue
- AVEVA Connect
- Google Lakehouse Catalog

OneLake Catalog

The trusted data catalog for organizations worldwide



More News: OneLake

Access & Interoperability

- Perf upgrades for Dataverse and SharePoint shortcuts GA
- Production support for storing Databricks data in OneLake Prod
- Table Read API for secure app and agent access PuPr
- Catalog federation for Apache Iceberg PuPr
- Table API (Iceberg) write with credential vending PuPr

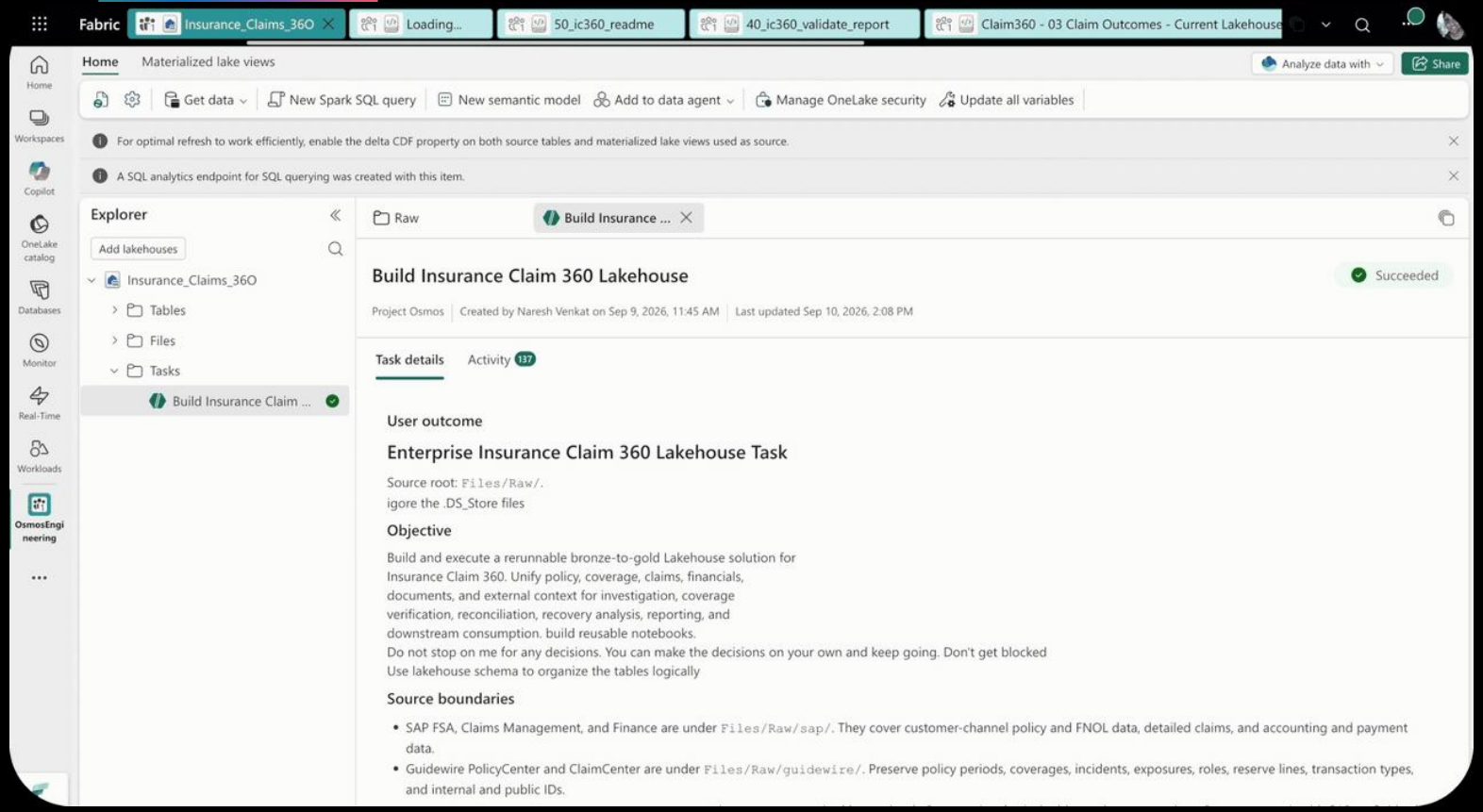
Security & Lifecycle

- Microsoft Fabric policies PuPr
- Storage lifecycle policies GA
- Outbound network protection GA
- OneLake Security UI with Members and Data views PuPr
- SQL Endpoint support for nested security groups PuPr
- Hosted MCP for OneLake PuPr

Agentic Data Engineering with Osmos

A purpose-built harness for your most complex data-engineering jobs

Public preview



Autonomous delivery

Delegate large tasks for Osmos to plan, build, and validate

Project-scale execution

Tackle migrations, end-to-end ETL, perf tuning, and more

Governed collaboration

Share projects in progress within workspace guardrails

More News: Data Engineering & Data Factory

Data Engineering

Fabric Runtime 2.0

GA | Spark 4.1, Delta 4.2, Python 3.13

Power Query in notebooks

Preview | Run M with Fabric connections

Environment publishing logs API

Preview | Track and investigate publishing

JFrog Artifactory support

Preview | Managed library repositories

Transform & Distribute

Managed dbt Jobs

GA | Serverless build, test and run

Copy Job CDC and audit columns

GA

Modern Power Query Editor

Public preview | Power BI Desktop

More data destinations

Public preview | Multi cloud

Shared and visual queries

Public preview | Reuse transformations

Orchestrate & Automate

Copy Jobs with Activator

GA | Event driven execution

Smart retry for activities

GA

Lakehouse maintenance

GA | Pipeline activity

ADF to Fabric migration

Preview | Assess and migrate pipelines

Business Actions activity

Public preview

Pipeline operations agent

Public preview | Observability

Fabric IQ

Operational Intelligence

Ontologies

Business Intelligence

Semantic Models

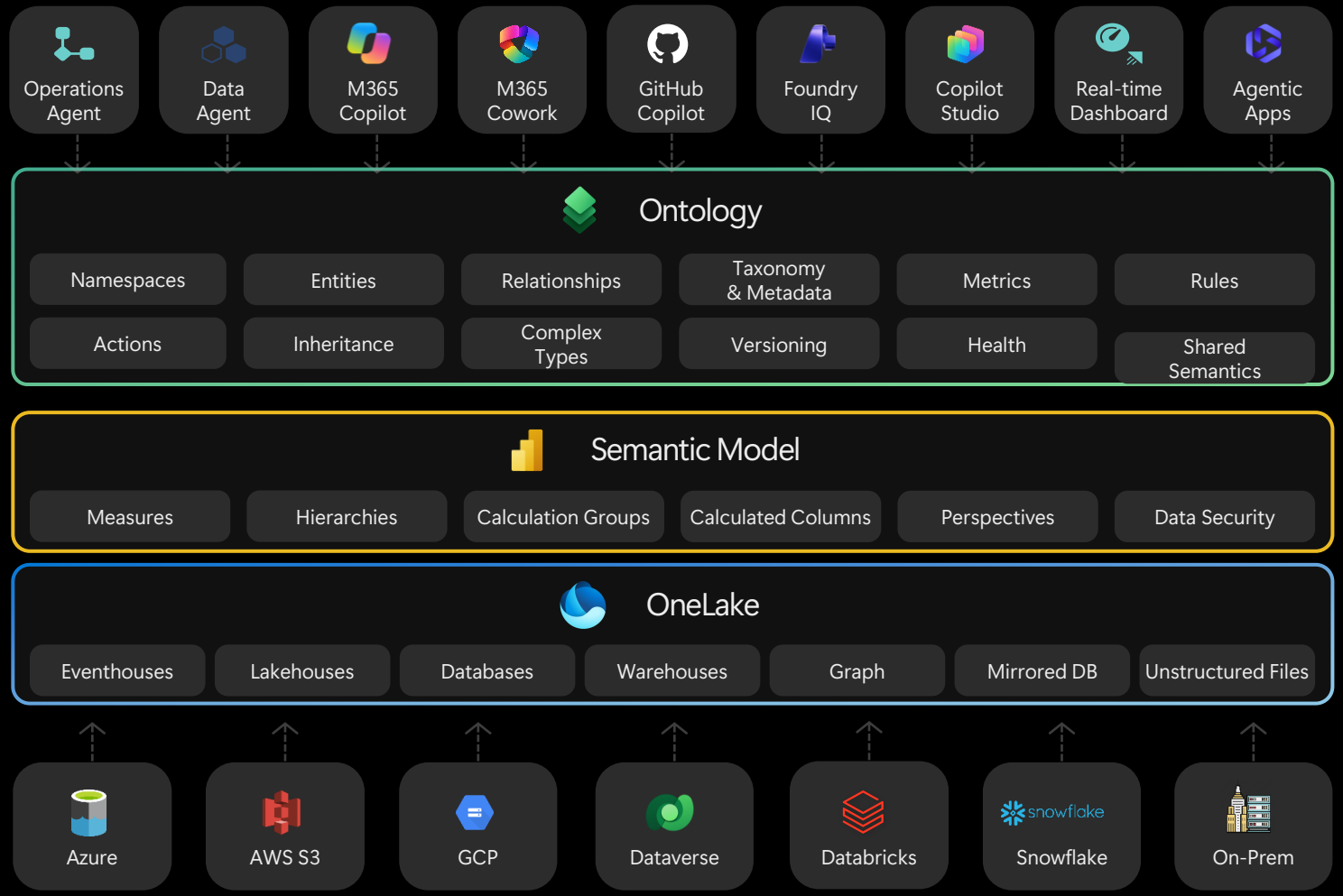
Unified Open Lake

Structured, Unstructured,
Real-Time, Graph

Fabric IQ Ontology

ONTOLOGIES: PREVIEW
GA planned: Q2 2027*

Shared business context for people, apps and agents



Connect your data

OneLake brings the data together.

Agree on the numbers

Semantic models define measures and access.

Model the business

Ontologies describe entities, relationships and rules.

Share that context

People, apps and agents can work from shared meaning.

*Public Fabric roadmap: Ontology item GA. Target is subject to change. Source checked 25 Nov 2026.

Now generally available

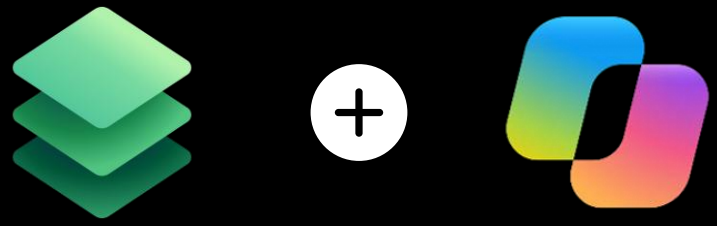


Planning in Fabric

what should happen



Generally available



Fabric IQ in Microsoft Copilot

Your enterprise context, now in the flow of work



IQ Sharing in Fabric

Enterprise data and its context, governed and shared as one

Package tables and files as trusted data products

Keep data coupled with context wherever it’s accessed

Tap into data and context directly from ISV partners

More News: Fabric IQ

Model business context

Semantic views in OneLake

Preview

AI ontology creation

Preview

Richer modelling and sources

Preview

Ontology Health

Preview coming soon

Updated ontology skills

Preview

Use and share context

Fabric IQ MCP

GA

Fabric IQ in Excel

Insiders Beta

ChatGPT and Claude plugins

Preview coming soon

Ontologies in GitHub Copilot

Preview

IQ Sharing for ontologies

Preview coming soon

Planning

Semantic model writeback
GA

Plan-driven event triggers
GA

Tenant-level planning governance
GA

Driver-based measure model
GA

Multi-driver and multi-measure simulations
GA

Fabric Apps

Generally available

Build and run business apps on your governed data

01

Build on your data

Create apps that turn governed data into everyday business actions.

02

One integrated platform

Bring data, functions, storage and hosting together in Fabric.

03

Secure and managed

Use Entra identity and Fabric permissions, with built-in monitoring.

More News: Fabric Apps

Build

Fabric Apps platform
GA

Power BI Desktop for Apps
PuPr

Describe an app in Microsoft Copilot
PuPr (Frontier)

Run & Reach

Fabric HorizonDB as the app database
PuPr

Apps for Power BI Pro users, PPU later
Soon

Open apps in Power BI Mobile
Soon

DEMO

Fabric IQ and Apps demo

Let's break a pump

(on purpose)



Microsoft

Database Hub in Fabric

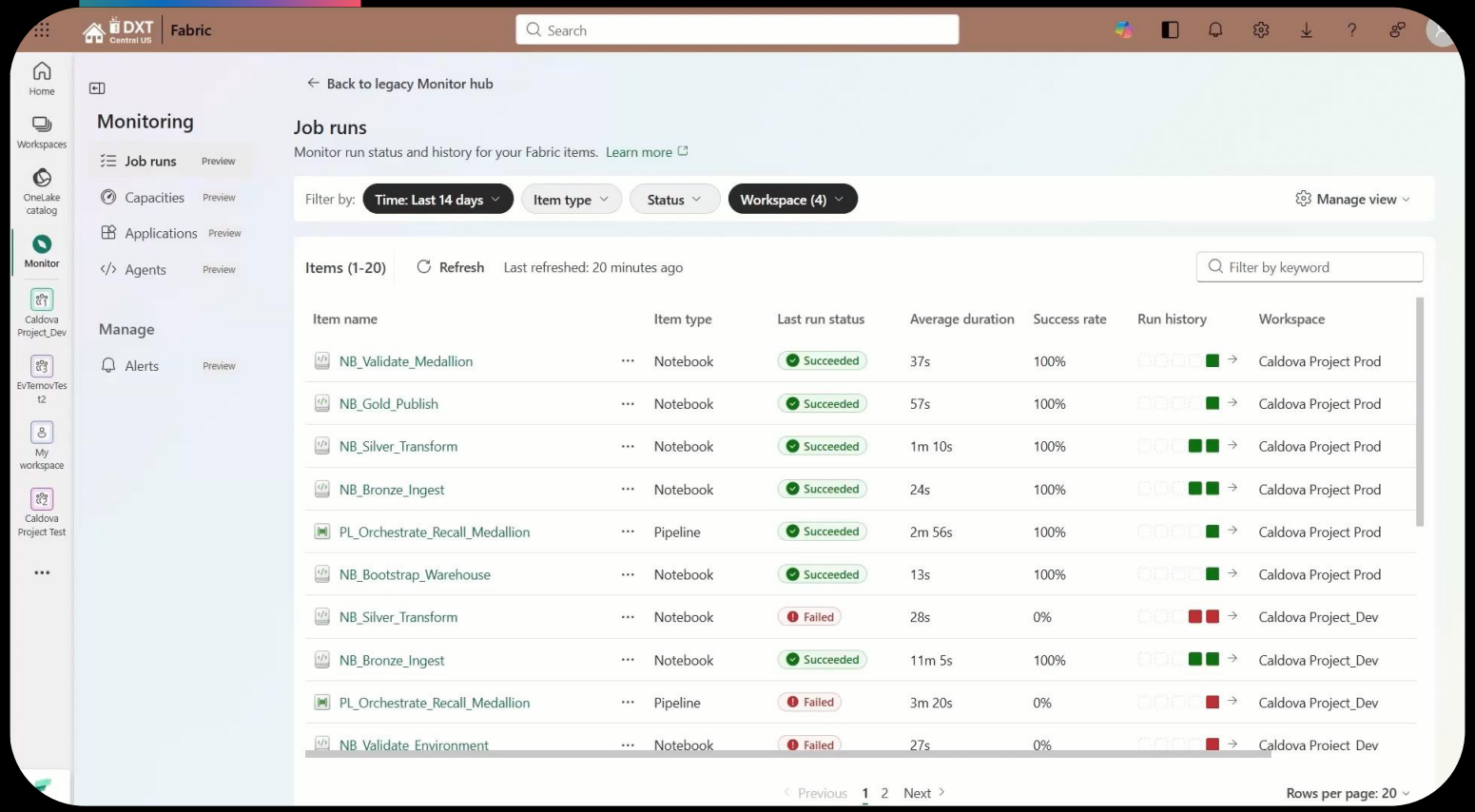


- Fleet Management
- Observability
- Database Agents

Observability in Fabric

One revamped view for proactive monitoring, debugging, and alerting

Public preview



Unified monitoring

Track jobs, workloads, and capacities in one refreshed hub

Agentic debugging

Find root causes with operations agents and act on fixes instantly

Proactive alerting

Watch capacity headroom and spot failures early with Activator

Preview coming soon



On-Demand Billing

Introducing the F0 SKU for optional pay-per-use compute

Run select workloads on demand, the rest on capacity

F0: get started without provisioning compute upfront

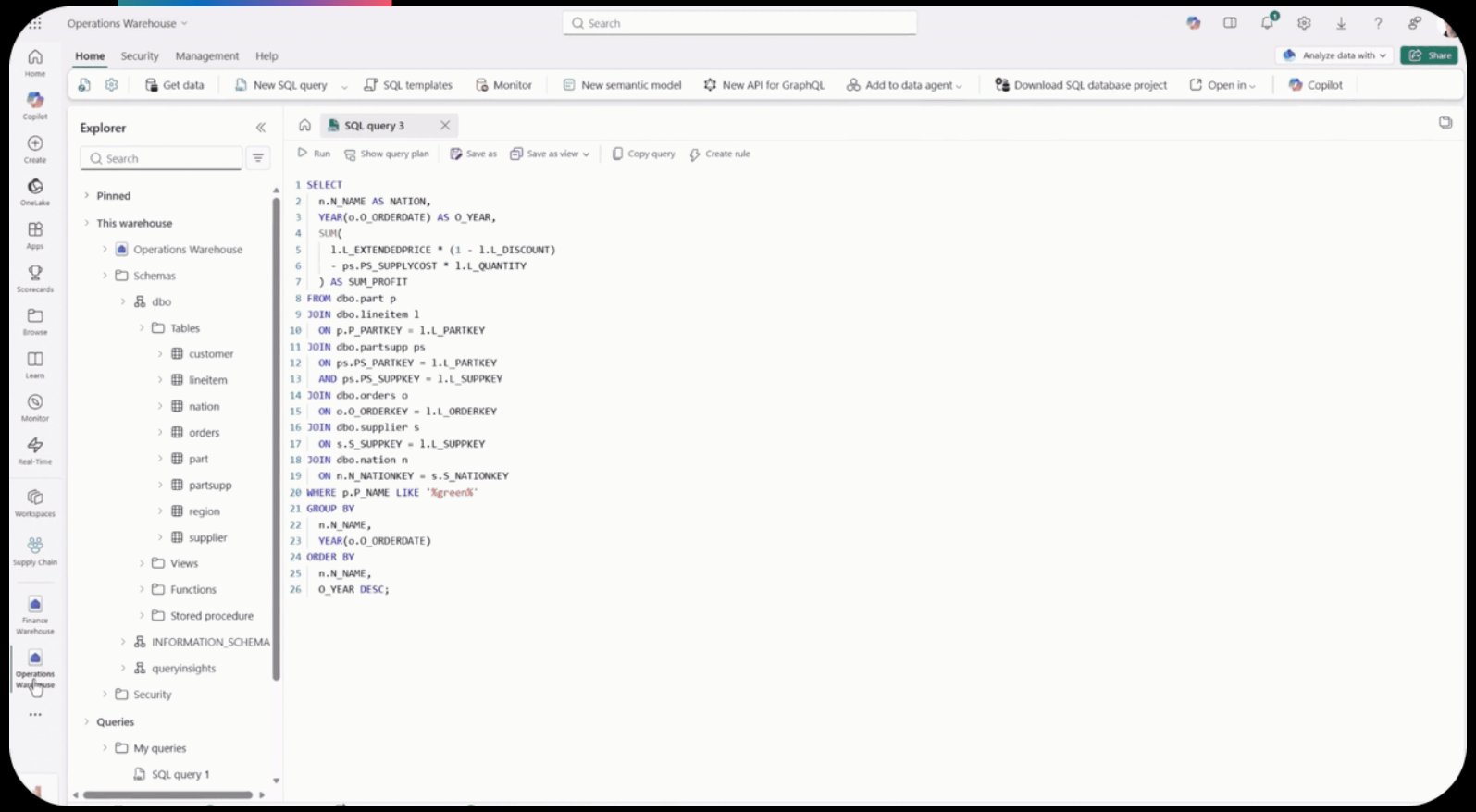
Set spend limits with built-in monitoring and governance

Source: Microsoft Fabric platform announcement. Preview availability planned; confirm current workload support.

GPU-Accelerated Warehouse

Optimized for high-concurrency, AI-driven analytics workloads

Public preview



Faster insights

Run queries with dramatic speedup under concurrent load

Simple setup

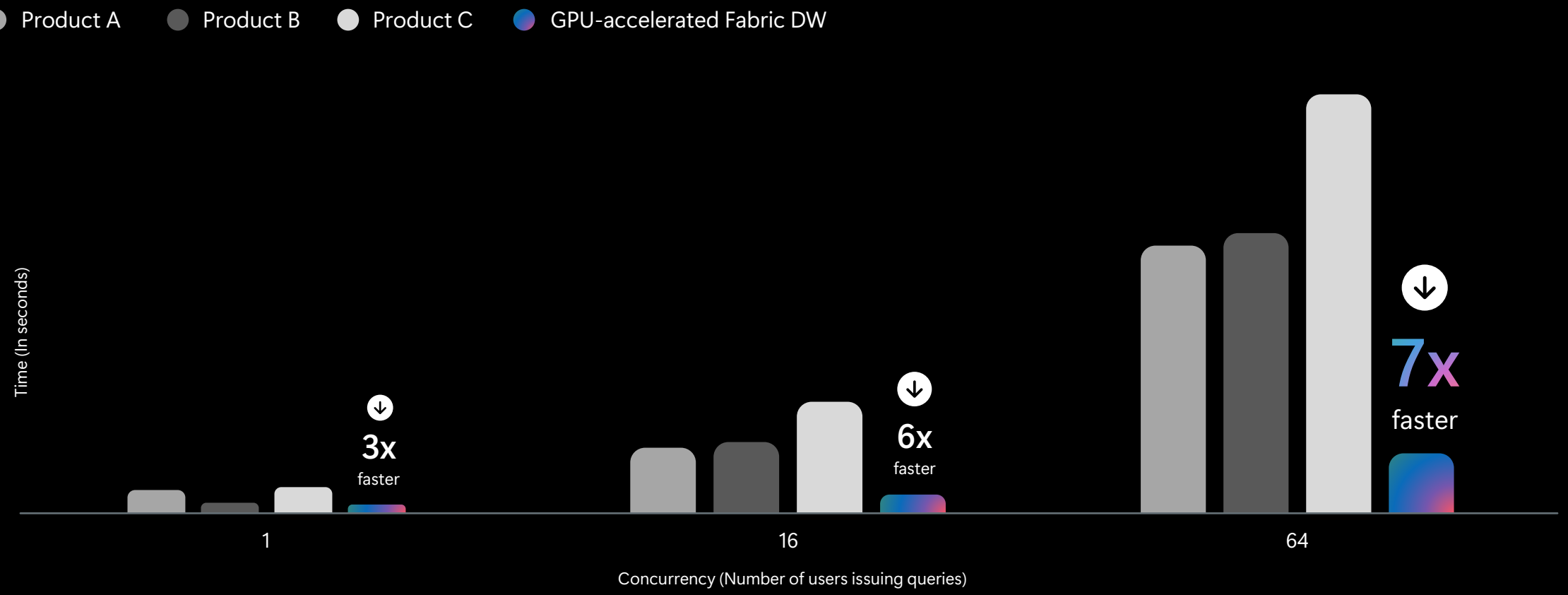
Turn on with one click and monitor from your warehouse

Made for AI workloads

Purpose-built for concurrent analytics and the demands of AI

GPU-Accelerated Warehouse Performance

TPC-H 300GB | Fabric vs. alternate warehouses



*Performance results are based on Microsoft internal testing conducted in May 2026 against three comparable data warehousing products from different companies in the same product space, using specific benchmark conditions. Actual results may vary depending on workload, configuration, and environment. Competitor identities and test configurations are not disclosed. These comparisons reflect selected commercially available products and may not be representative of all use cases.

More News: Platform and Security

Deployment plans

Public preview

Control deployment order
and automate before/after actions

Fabric observability

Public preview

Monitor Hub and workspace monitoring
Agent investigation and Activator alerts

OneLake Catalog

- Copilot CLI data discovery PuPr
- Catalog access in Foundry PuPr
- Catalog discovery in Excel Get Data PuPr
- Search API with new filters and operators PuPr
- Global Search with redesigned result cards PuPr

Enterprise Security

- DLP restrict access GA
- OAP for shortcuts, maps and Operation Agents GA
- Inbound network protection to OneLake GA
- CMK operations and admin APIs PuPr
- Workspace-level private link for ontologies PuPr

More News: Real-Time Intelligence

Stream & Transform

- Connectors for MongoDB, Salesforce CDC, and more GA
- Stream processing for mirrored database change feeds GA
- Custom stream connectors PuPr
- Event handling for non-schematized streams PuPr
- Copy job batch sources for Eventstream ingestion PuPr

Analyze & Act

- Copilot data exploration GA
- Eventhouse capacity planner GA
- Eventhouse entity diagrams GA
- AI-guided onboarding for Eventhouse PuPr
- Activator rule management in Real-Time Hub PuPr

More News: Developer Experiences

Source Control with Git

- Compare and commit GA
- Selective branching GA
- Bulk import/export API GA
- File-level commits PuPr
- Branch workspace admin delegation PuPr

APIs & Tooling

- Fabric Remote MCP GA
- Fabric Local MCP: Data Factory and extended OneLake tools GA
- Fabric CLI: Azure sign-in, cross-WS search, and bulk deploy GA
- Fabric Terraform Provider: new security and audit resources GA
- Expanded REST API quotas: 500 calls/minute GA

Thank you!

