

BACK

TO THE



Microsoft Fabric



Andrea Benedetti

Sr Cloud Architect, Microsoft

 /in/abenedetti

 @anBenedetti

 <https://github.com/anbened>

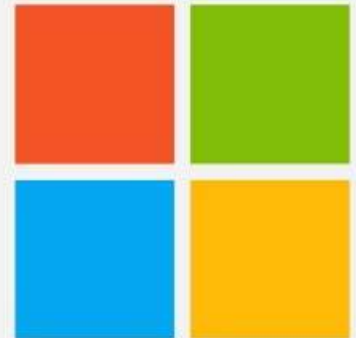


PBIUG Italy

PBIUG Italy Meetup @ Microsoft Italia



Microsoft House
Viale Pasubio 21, Milano
Martedì 16 aprile - dalle 18.00



A huge THANK YOU to our host



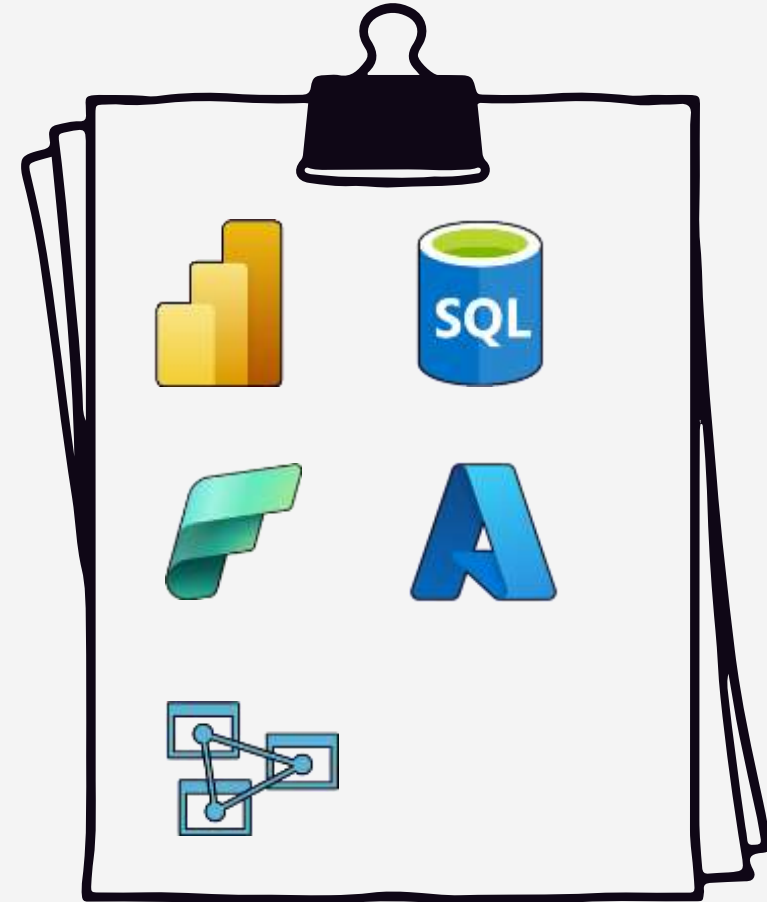


About us:

We are the main Italian community dedicated to **Business Intelligence** and related technologies, with a strong focus on **Power BI**

We organize **virtual meetings every two weeks** with guests from the Italian and international stages

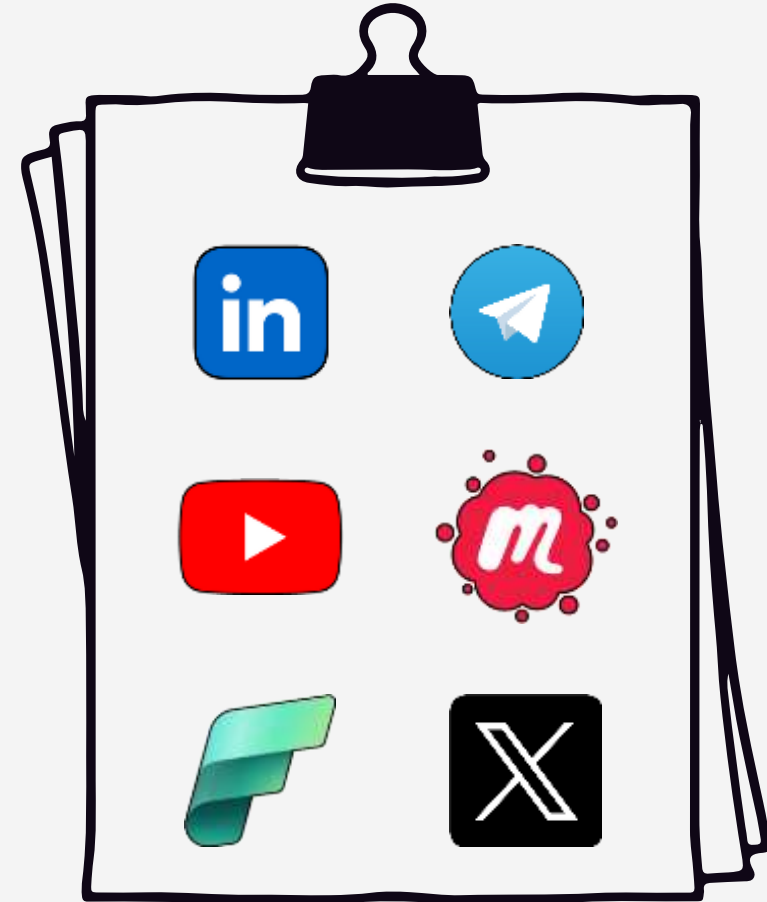
Join us in our **Community!**



Our social channels:

You can find us on Social Media by searching for “Power BI User Group Italy” or by using our **LinkTree**: follow us to catch all our events and materials!

<https://linktr.ee/powerbiusergroupitaly>



Coming next @ PBIUG Italy



DBT (Data Build Tools) showcase

Roberto Zagni

30th of April - 18.30

Language: ITA

.....
Roberto Zagni (author of "Data Engineering with DBT") will present DBT (Data Build Tools) to our community. A very interesting addition to our BI/DE toolbox.

History and Principles of Data Viz

Francesco Rinaldi

15th of May - 18.30

Language: ITA

.....
Francesco Rinaldi (head of Data @ Boolean) will show a session on Data Visualization: charts through history and modern data viz (tool: TABLEAU)

Community roundtable

Community event

29th of May - 18.30

Language: ITA

.....
A community roundtable on good old Microsoft Teams on a topic to choose among the community members. Want to propose something? Join the Telegram group!



Our community is open for everyone!

Want to try a live session for the first time?

Want to test a session before presenting it to an event?

Do you want to create some materials (videopills / demos) ?

Do you want to help us organizing live events?

Then join and contact us!



Thank you!

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 <https://github.com/anbened>



MONTH

DAY

YEAR

HOUR

MIN

MAR

26

2024

AM
PM

09

00

DESTINATION TIME

MONTH

DAY

YEAR

HOUR

MIN

APR

16

2024

AM
PM

06

30

PRESENT TIME

MONTH

DAY

YEAR

HOUR

MIN

OCT

26

1985

AM
PM

01

20



Back to the **Microsoft Fabric**
COMMUNITY CONFERENCE



Microsoft Fabric News



Andrea Benedetti • You

AI, data and all the things we can do with it @ Microsoft

5d • 🌐

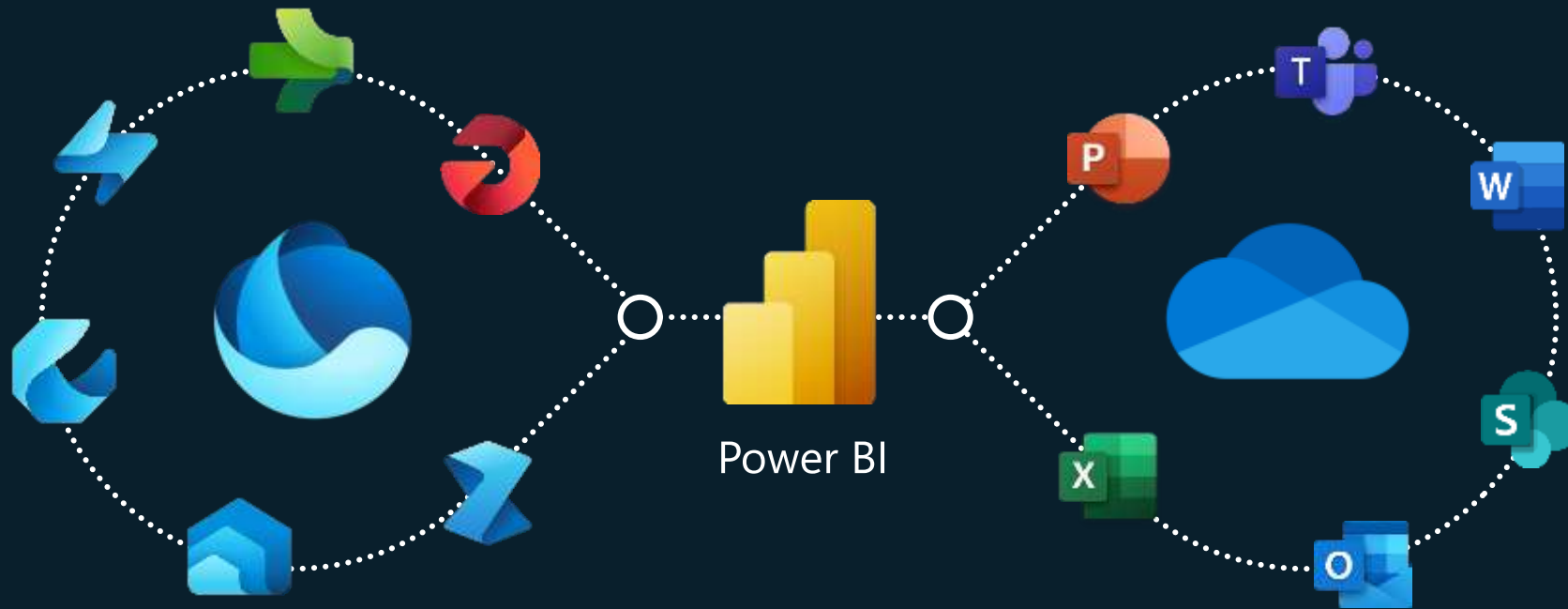
🎤 Due settimane fa, dal 26 al 28 marzo, è andata in scena a Las Vegas 🇺🇸
la prima **Fabric Community Conference** 🎉

🤖 Per chi - come me - non avesse partecipato di persona, abbiamo
pubblicato sul canale YouTube di [#MicrosoftFabric](#) la **keynote** con tutti gli
annunci e le demo 📺

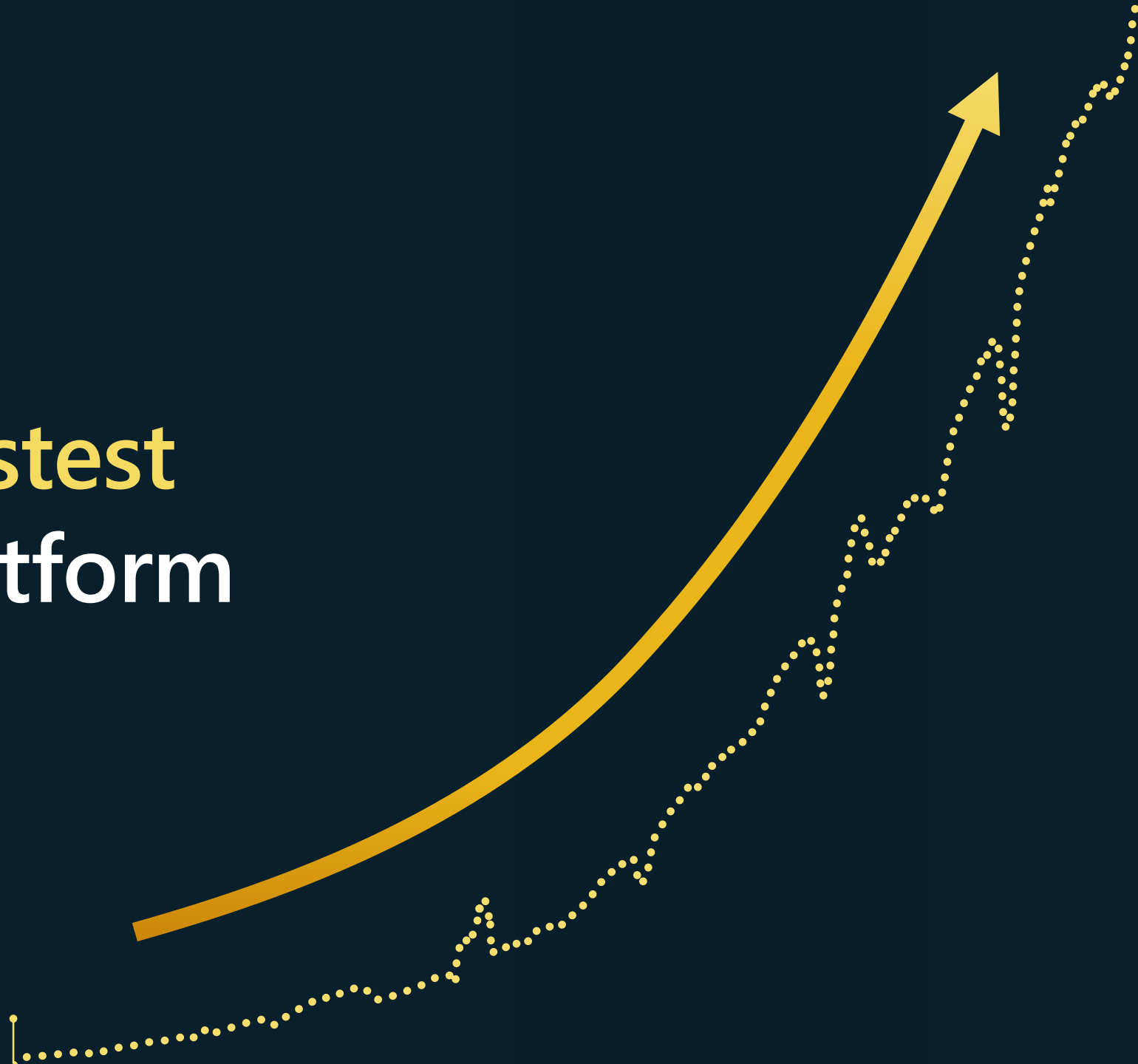
🌟 🎉 Non male 🎉 🌟

[The Unified Data Platform for the Era Of AI | Microsoft Fabric Community Conference Day 1 Keynote – YouTube](#)

Power BI is the bridge between business users and professional developers.



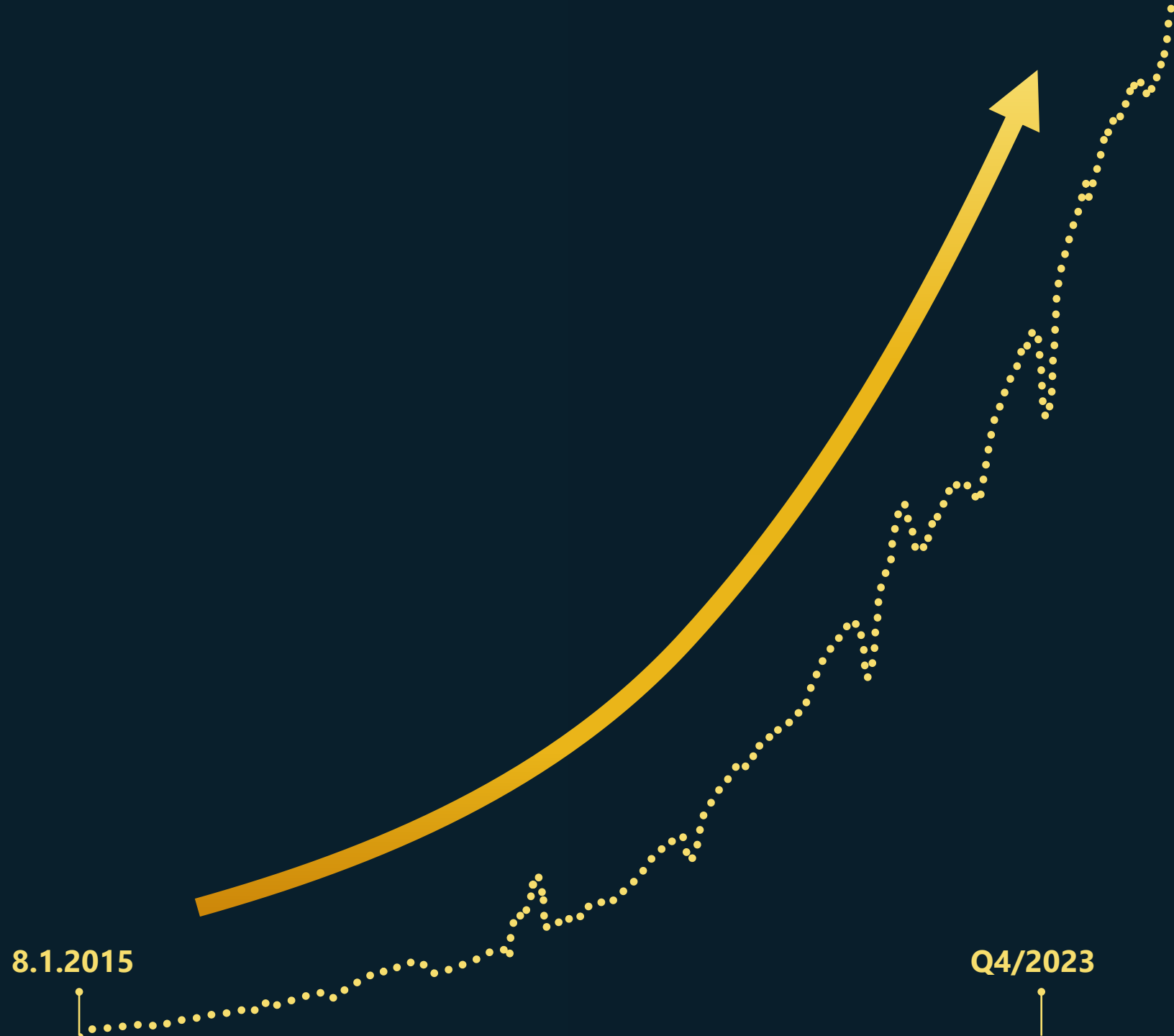
Largest and fastest
growing BI platform



8 years
of rapid growth

360k+
Organizations

10s Millions
users in 210+ countries

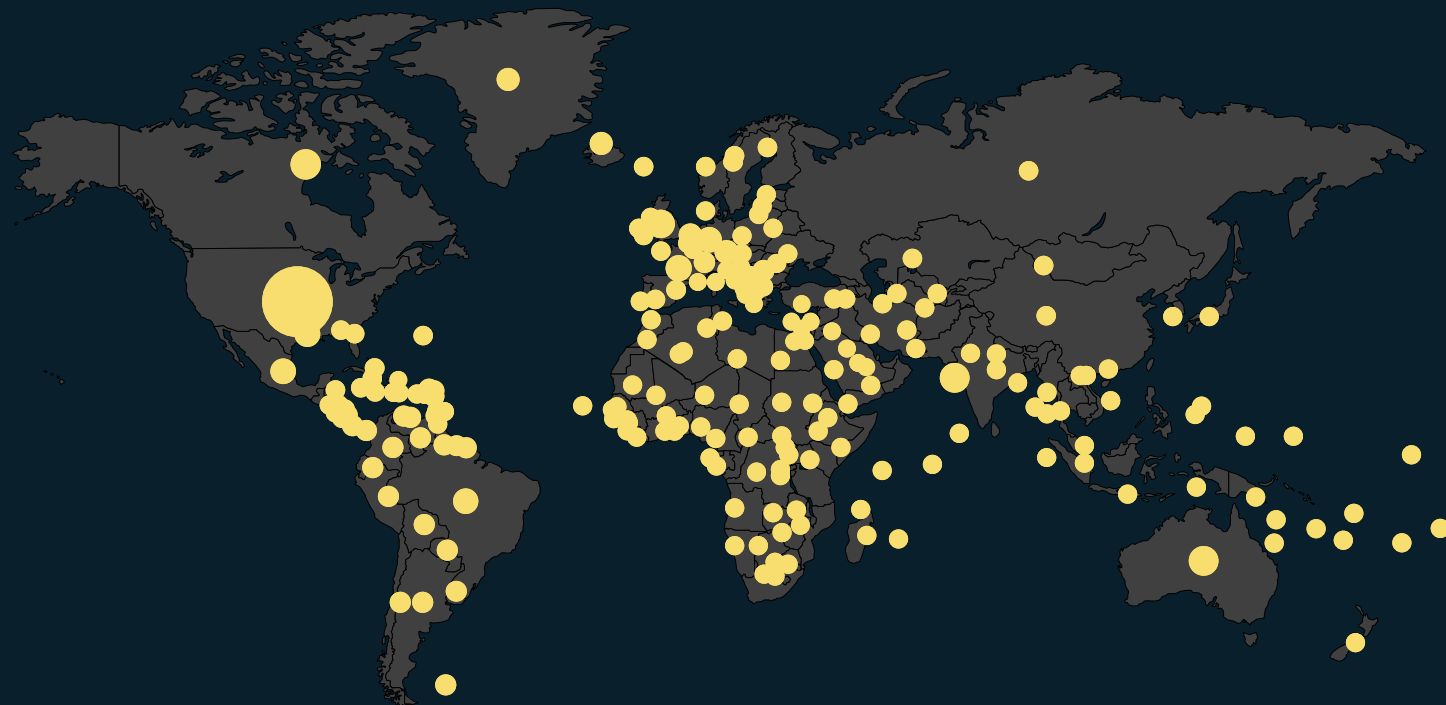


2.5M+

Monthly Community Members

350+

User Groups Worldwide



97%

of Fortune 500 companies
use Power BI



Microsoft Fabric



Microsoft Fabric

The unified data platform for the era of AI



Data
Factory



Synapse Data
Engineering



Synapse Data
Science



Synapse Data
Warehousing



Synapse Real
Time Analytics



Power BI



Data
Activator



AI



OneLake



Purview



Unified Architecture



Unified Experience



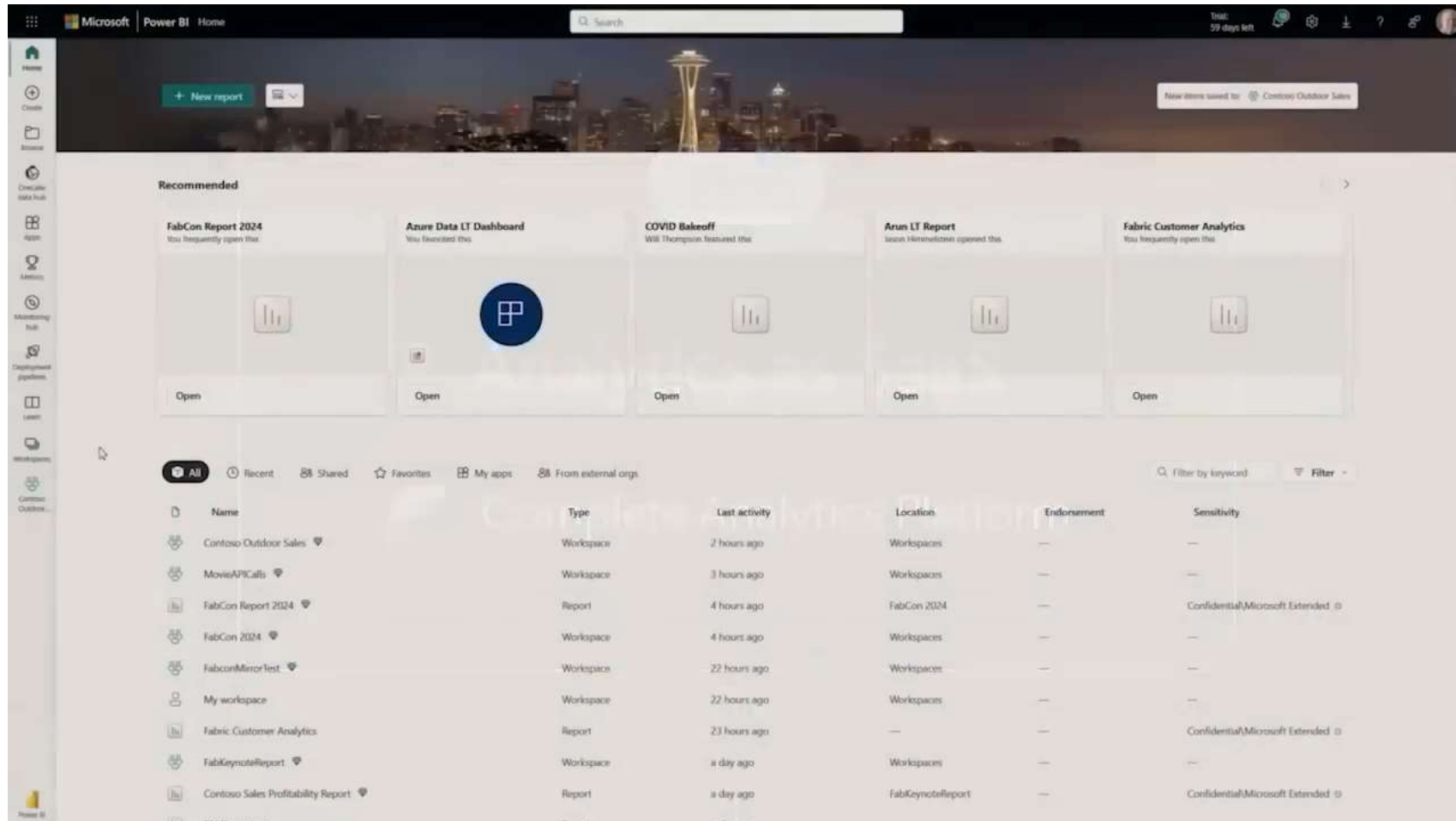
Unified Governance



Unified Business Model

**“If I were a chef,
Fabric would be the perfect kitchen”**

Fabric is a SaaS Platform



Enablement – Admin Portal

Admin portal

Tenant settings New

Usage metrics

Users

Premium Per User

Audit logs

Domains New

Capacity settings

Refresh summary

Embed Codes

Organizational visuals

Azure connections

Workspaces

Custom branding

Protection metrics

Featured content

Help + support

ⓘ There are new or updated tenant settings. Expand to review the changes. ⌵

Microsoft Fabric

▷ Data Activator (preview)
Enabled for the entire organization

▷ Users can create Fabric items
Enabled for the entire organization

▷ Users can create Fabric environments to save and apply Spark settings (preview) New
Enabled for the entire organization

▷ Sustainability solutions (preview) New
Disabled for the entire organization

▷ Retail data solutions (preview) New
Disabled for the entire organization

Help and support settings







▷ Publish "Get Help" information

Persona Picker

Power BI Home

Search

Trial: 42 days left



Home

Create

Browse

OneLake data hub

Apps

Metrics

Monitoring hub

Deployment pipelines



Learn


Workspaces

My workspace

Power BI


+ New report

New items saved to:  My workspace


Recommended

You frequently open this




Google Analytics

You favorited this




Shark Attacks

Popular in your org



WeatherFabric

You frequently open this



Submissions

Recent






Favorites

My apps

From external orgs

Filter by keyword

Filter

	Name	Type	Opened	Location	Endorsement	Sensitivity
	WeatherFabric	Report	2 days ago	Connected Home	—	—
	Connected Home 	Workspace	11 days ago	Workspaces	—	—
	testing	Report	a month ago	Demos	—	—
	Purview Hub	Report	a month ago	Admin monitoring	—	—



Context sensitive "New" menu

The screenshot shows the Power BI interface with the 'New' menu open. The menu lists various artifact types: Report, Paginated report, Scorecard, Dashboard, Semantic model, Dataflow, Datamart (Preview), Streaming dataset, Streaming dataflow, and More options. The 'More options' item is highlighted with a red box. A red arrow points from the 'More options' item to the 'Power BI Persona' label. Another red arrow points from the 'More options' item to the 'Other Fabric artifacts' label. The background shows a table of artifacts with columns: Git status, Type, Owner, and Refreshed. The table lists various artifacts, including 'Unsupported', 'Synced', and 'Uncommitted' items. The 'Power BI Persona' label is located at the bottom left of the interface.

Power BI

Demos

Fabric content

+ New

Report

Paginated report

Scorecard

Dashboard

Semantic model

Dataflow

Datamart (Preview)

Streaming dataset

Streaming dataflow

More options

OTF Workouts

Power BI Data Sources

Power BI Data Sources

testing

tg4TwitterEastern

tg4TwitterEastern

Tweet Report Summary

Tweets by Report

Git status

Type

Owner

Refreshed

Unsupported

Unsupported

Synced

Synced

Unsupported

Synced

Synced

Uncommitted

Synced

Synced

Unsupported

Synced

Power BI Persona

Other Fabric artifacts

Power BI

main

Last synced: 11/30/2023 at 7:39 AM

38c8a553

Context sensitive "New" menu

The screenshot displays the Synapse Data Engineering interface. On the left is a sidebar with navigation icons for Home, Create, Browse, OneLake data hub, Monitoring hub, Workspaces, Demos, and WeatherFab. The main area is titled 'Demos' and features a '+ New' button. A dropdown menu is open from this button, listing various artifact types: Data pipeline, Dataflow Gen2, Environment (Preview), Eventstream, Experiment, KQL Database, KQL Queryset, Lakehouse, ML model, Notebook, Reflex (Preview), Report, Spark Job Definition, Warehouse, and More options. A tooltip for 'Data pipeline' reads 'Ingest data at scale and schedule data workflows.' Below the menu is a table of artifacts with columns: Git status, Type, Owner, and Refreshed. The table lists various artifacts like 'Report', 'Semantic model', and 'Uncommitted'. A red box highlights the 'More options' item in the 'New' menu, with a blue arrow pointing to it from the text 'Other Fabric artifacts'. Another blue arrow points from the text 'Data Engineering Persona' to the 'Data Engineering' icon in the bottom left corner of the interface.

Data Engineering artifacts

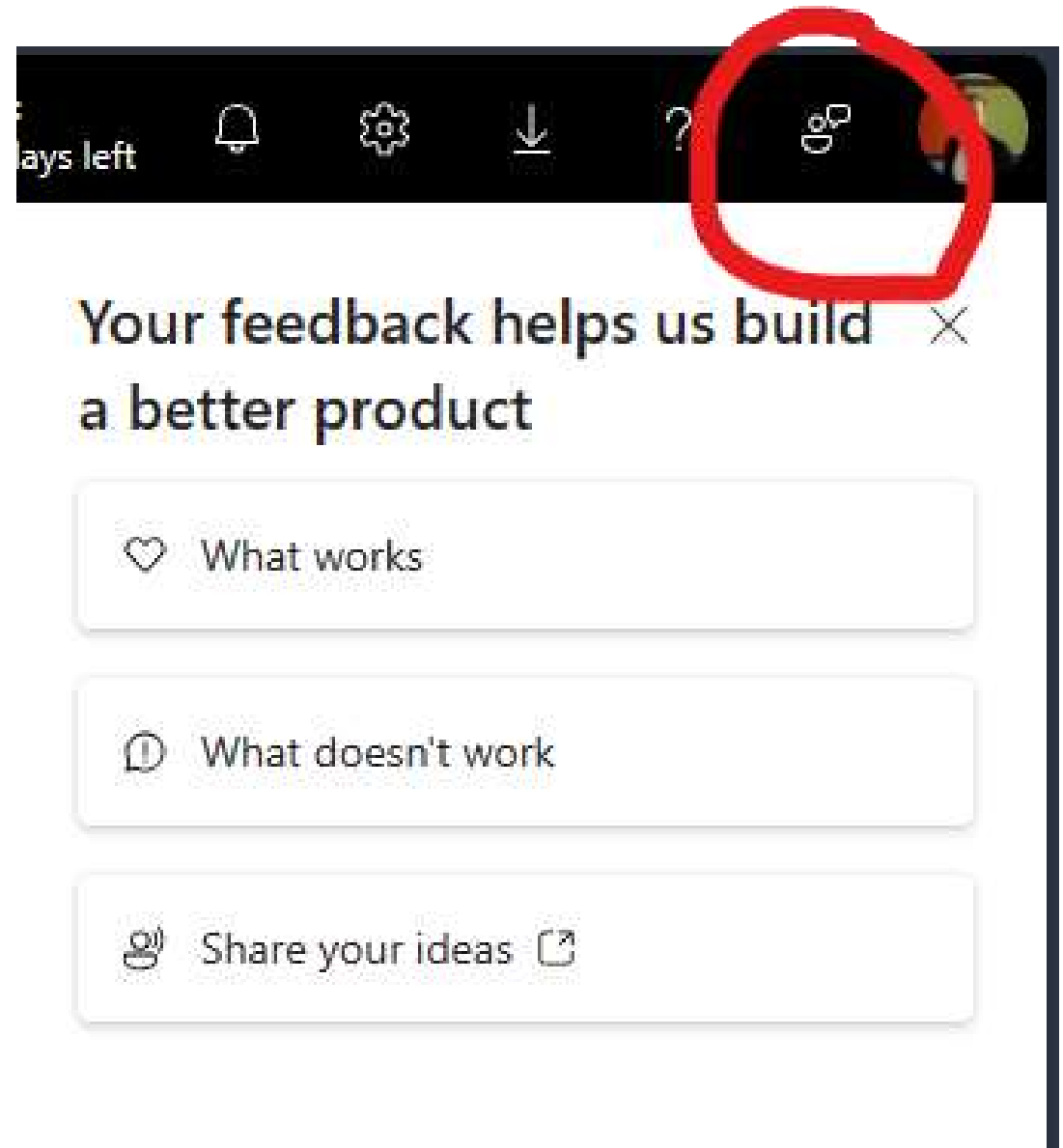
Other Fabric artifacts

Data Engineering Persona

Git status	Type	Owner	Refreshed
Unsupported	Report	Demos	1/21/24, 2:00:16 PM
Unsupported	Semantic model	Demos	1/21/24, 2:00:16 PM
Synced	Report	Demos	12/12/23, 3:02:21 AM
Synced	Semantic model	Demos	12/12/23, 3:02:21 AM
Unsupported	Report	Demos	—
Synced	Report	Demos	2/5/24, 3:19:15 AM
Synced	Semantic model	Demos	2/5/24, 3:19:15 AM
Synced	Report	Demos	6/15/23, 1:46:18 AM
Synced	Semantic model	Demos	6/15/23, 1:46:18 AM
Uncommitted	Report	Demos	1/24/24, 11:57:21 AM
Synced	Report	Demos	9/28/22, 5:34:07 AM
Synced	Semantic model	Demos	9/28/22, 5:34:07 AM
Unsupported	Report	Demos	—
Synced	Report	Demos	9/28/22, 5:34:07 AM

Ideas & Feedback 😊

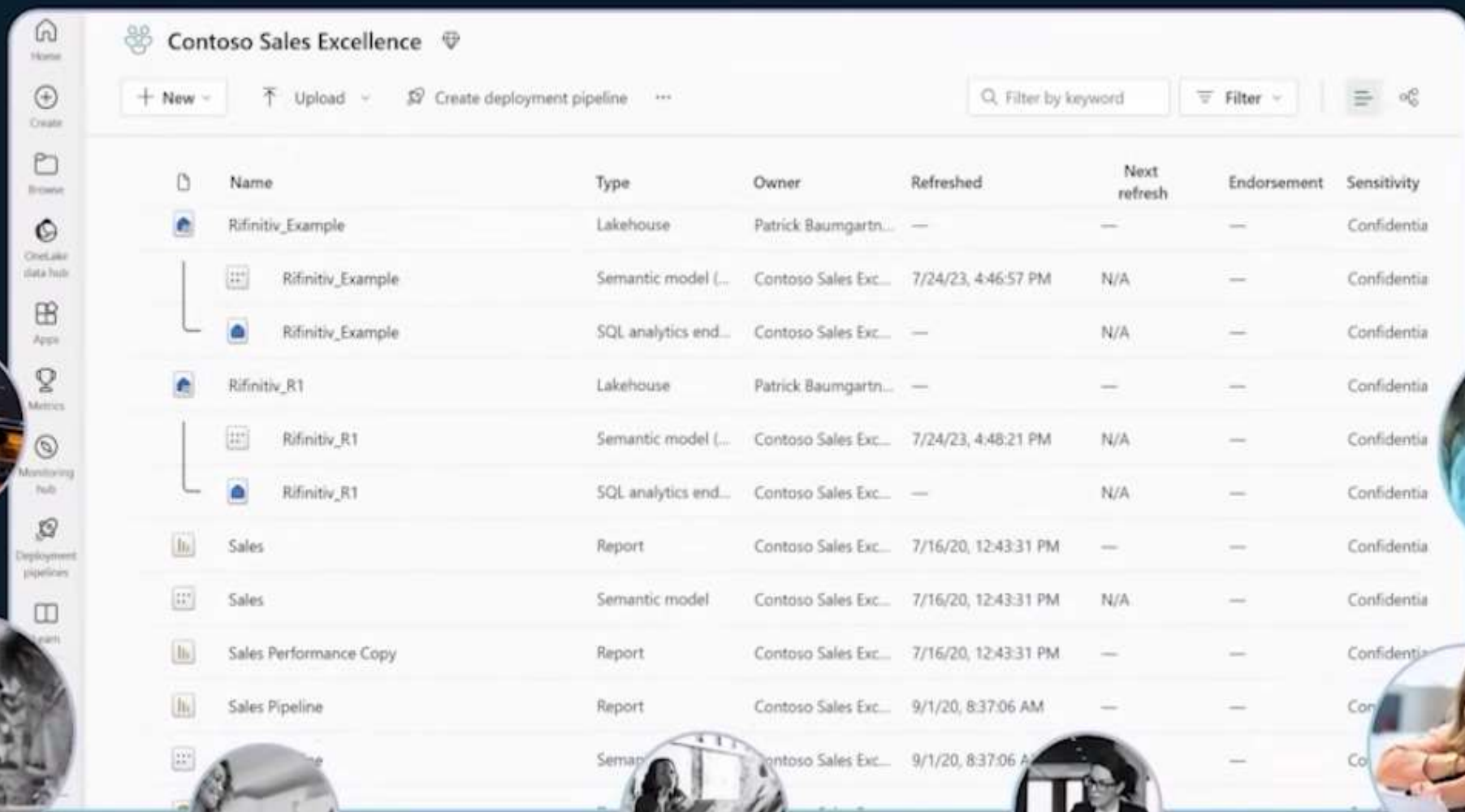
Built-in channel to share your ideas and provide feedback





Fabric

But Things Get Complex Quickly....



The screenshot shows a dashboard titled "Contoso Sales Excellence". It features a sidebar with navigation icons for Home, Create, Browse, OneLake data hub, Apps, Metrics, Monitoring hub, Deployment pipelines, and Learn. The main area displays a table of data assets with columns: Name, Type, Owner, Refreshed, Next refresh, Endorsement, and Sensitivity. The table lists various assets including Lakehouses, Semantic models, SQL analytics endpoints, Reports, and a Semantic model, all associated with "Contoso Sales Excellence".

Name	Type	Owner	Refreshed	Next refresh	Endorsement	Sensitivity
Rifinitiv_Example	Lakehouse	Patrick Baumgartn...	—	—	—	Confidential
Rifinitiv_Example	Semantic model (...)	Contoso Sales Exc...	7/24/23, 4:46:57 PM	N/A	—	Confidential
Rifinitiv_Example	SQL analytics end...	Contoso Sales Exc...	—	N/A	—	Confidential
Rifinitiv_R1	Lakehouse	Patrick Baumgartn...	—	—	—	Confidential
Rifinitiv_R1	Semantic model (...)	Contoso Sales Exc...	7/24/23, 4:48:21 PM	N/A	—	Confidential
Rifinitiv_R1	SQL analytics end...	Contoso Sales Exc...	—	N/A	—	Confidential
Sales	Report	Contoso Sales Exc...	7/16/20, 12:43:31 PM	—	—	Confidential
Sales	Semantic model	Contoso Sales Exc...	7/16/20, 12:43:31 PM	N/A	—	Confidential
Sales Performance Copy	Report	Contoso Sales Exc...	7/16/20, 12:43:31 PM	—	—	Confidential
Sales Pipeline	Report	Contoso Sales Exc...	9/1/20, 8:37:06 AM	—	—	Confidential
Sales Pipeline	Semantic model	Contoso Sales Exc...	9/1/20, 8:37:06 AM	—	—	Confidential



SQL Developer



Data Engineer



Database Admin



Developer



Project Manager

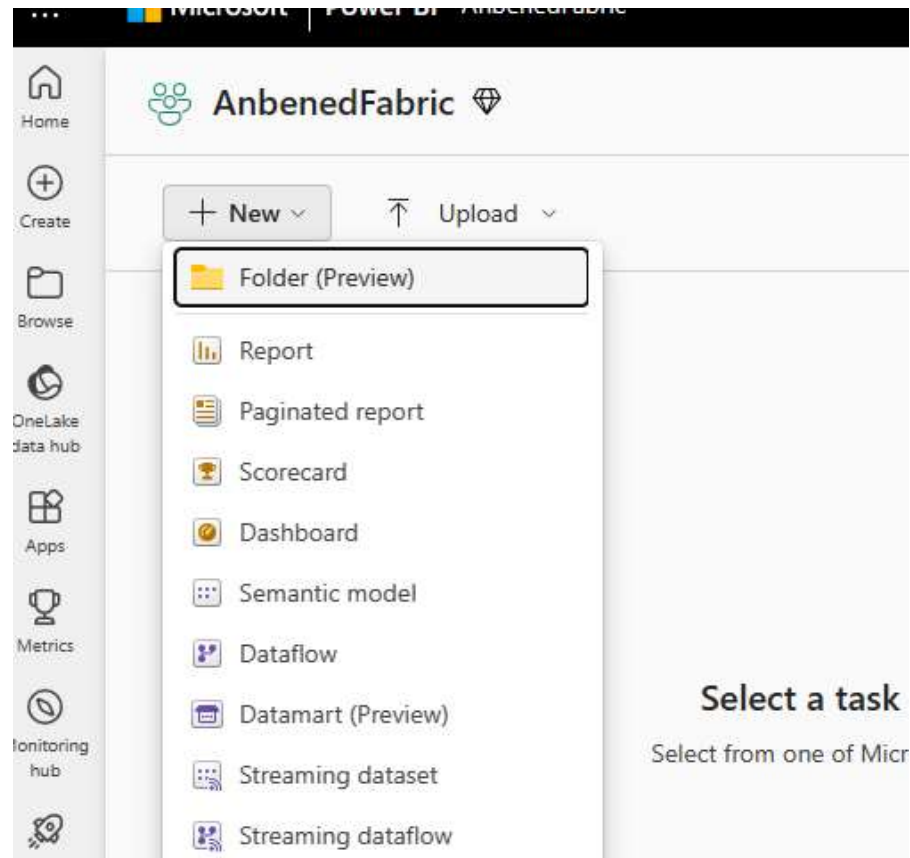


Business Analyst



Data Scientist

Folder

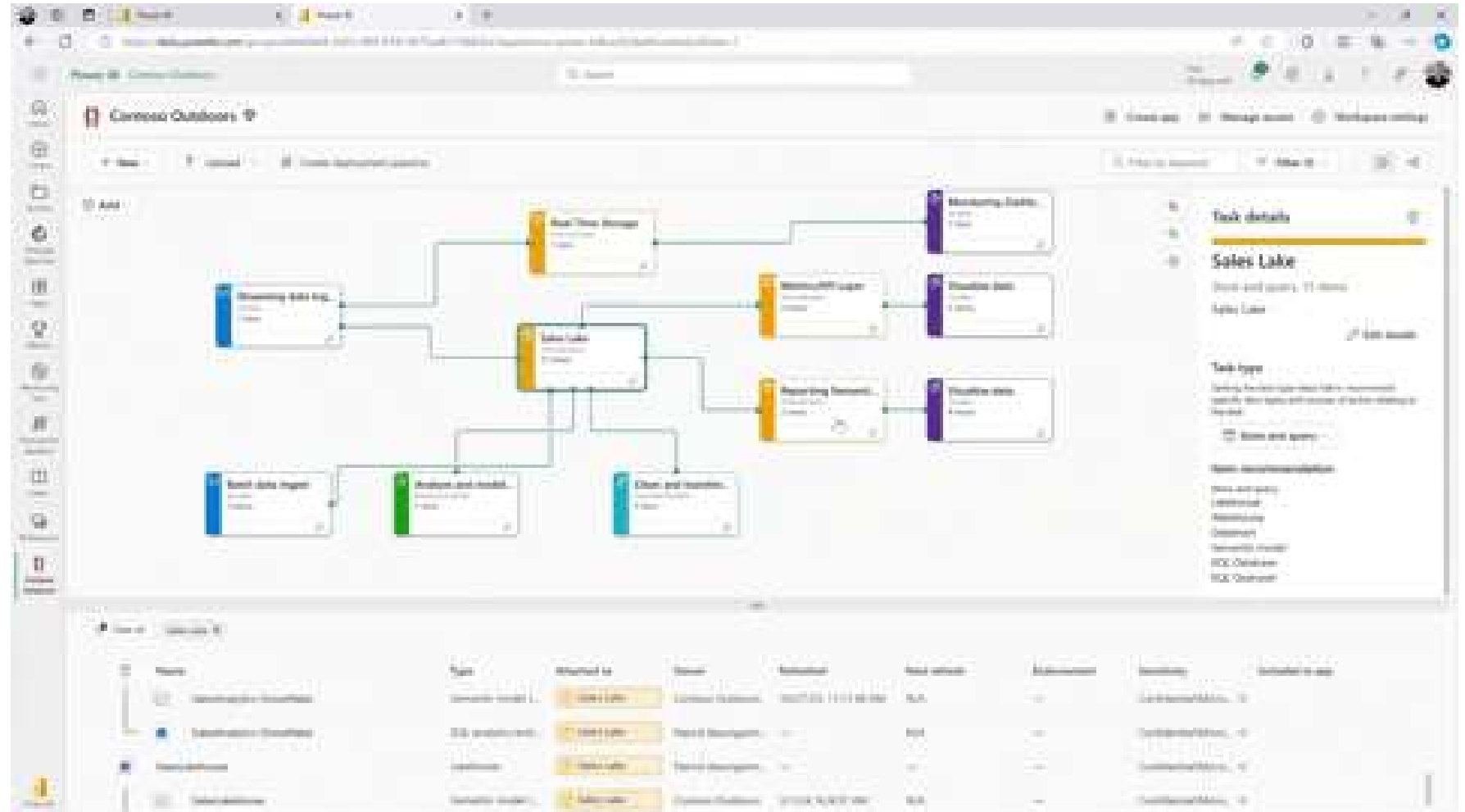
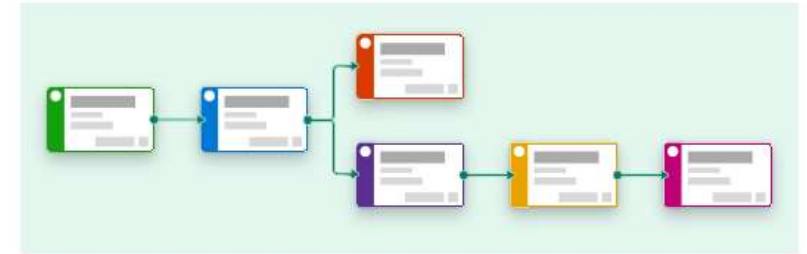


The screenshot shows a table of workspaces in the AnbenedFabric interface. The table has two columns: 'Name' and 'Type'. The table is titled 'Workspaces' and has an 'Add a' button in the top right corner. The table contains the following data:

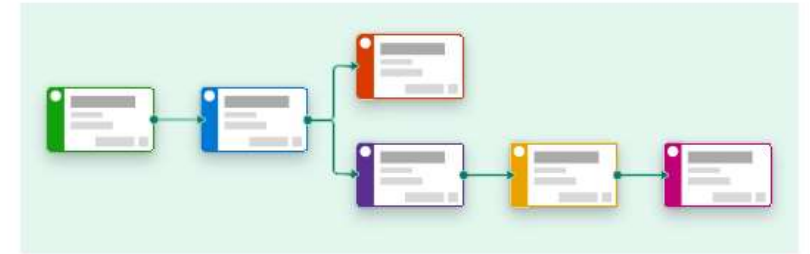
Name	Type
Report ADW	Folder
AdventureWorks	Report
AdventureWorks	Semantic model
AnbenedFabricLakehouse	Lakehouse
AnbenedFabricLakehouse	Semantic model

Introducing task flow

- Task flows can help you visualize a data project from end-to-end:



Introducing task flow



Power BI Home

Search

Trial: 59 days left

New items saved to: My workspace

Workspaces

Workspace search

My workspace

All

- Audience_PugetSound
- Audience_Washington
- BAG Intelligence Platform
- Cloud + AI TV Worldwide
- ConanDailyPartDeux
- Contoso Outdoors
- Contoso Outdoors Dev
- Contoso Outdoors Retail
- Contoso1
- ContosoOutdoors
- Copilot datasets chamill
- Copilot Demos
- CopilotDemo
- Customer Satisfaction Team
- Daily CI Collation Testing
- Dynamics BPA

Deployment pipelines

+ New workspace

COVID Bakeoff
Rajat Talwar (HE/HIM) featured this

Hawaii Tourism
Popular in your org

Contoso Outdoors
You frequently open this

Shir and Gila
Gila Cohen featured this

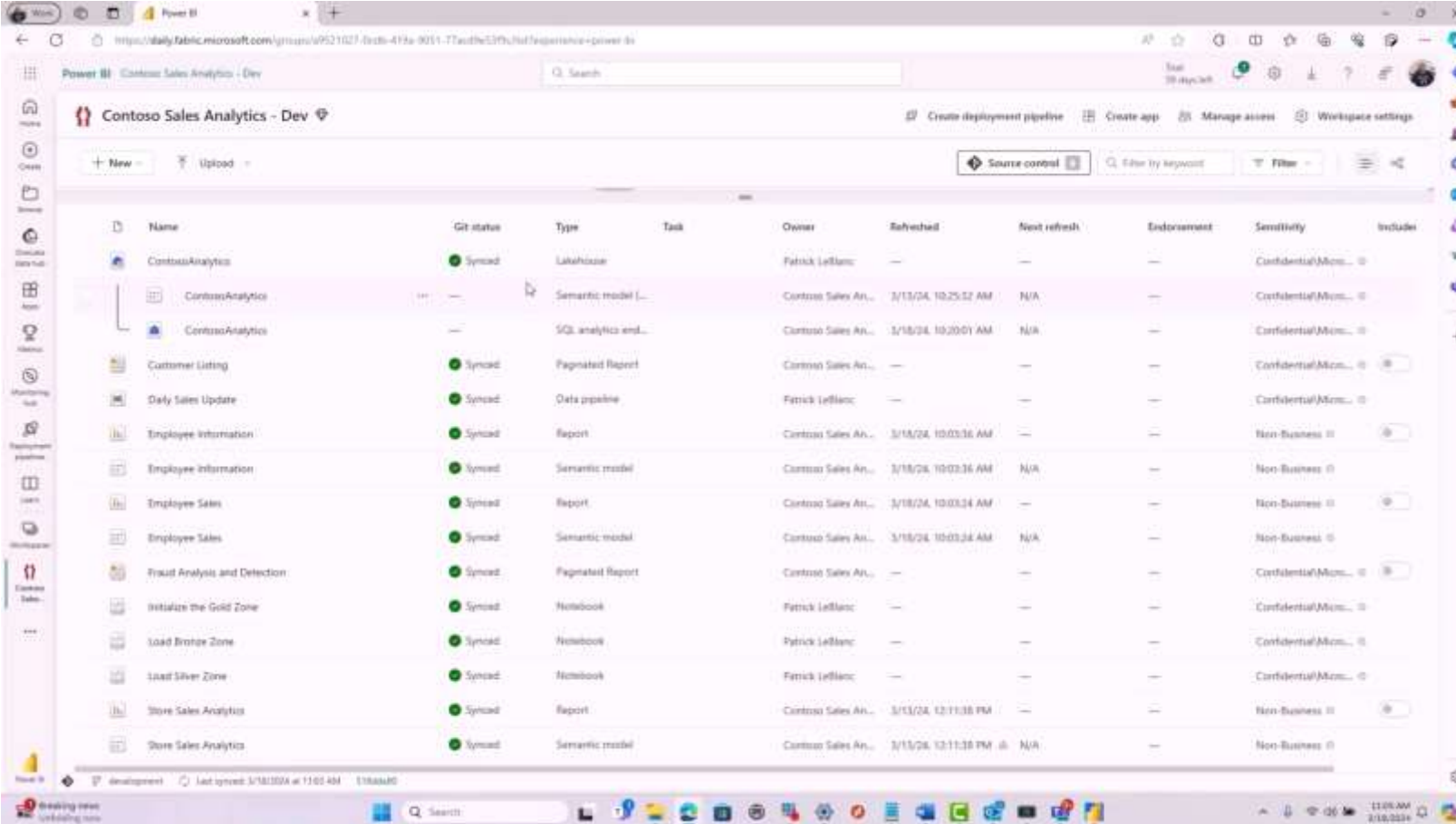
Open

Filter by keyword

Filter

Type	Opened	Location	Endorsement	Sensitivity
Workspace	17 minutes ago	Workspaces	—	—
Workspace	a day ago	Workspaces	—	—
Report	4 days ago	Contoso Outdoors	—	General ⓘ
Semantic model	4 days ago	Contoso Outdoors	—	General ⓘ
Semantic model	4 days ago	Contoso Outdoors	—	—
Dashboard	4 days ago	Contoso Outdoors	—	Confidential\Microsoft Ext... ⓘ
Semantic model	4 days ago	Contoso Outdoors	—	General ⓘ

Microsoft Fabric's CI/CD experience



The screenshot displays the Microsoft Fabric CI/CD interface for a workspace named "Contoso Sales Analytics - Dev". The interface includes a sidebar with navigation options like Home, Create, and Recent. The main area shows a table of assets with columns for Name, Git status, Type, Task, Owner, Refreshed, Next refresh, Endorsement, Sensitivity, and Includes. The table lists various assets such as ContosoAnalytics, Customer Listing, Daily Sales Update, Employee Information, Employee Sales, Fraud Analysis and Detection, Initialize the Gold Zone, Load Bronze Zone, Load Silver Zone, Store Sales Analytics, and Store Sales Analytics. The status of each asset is indicated by a green checkmark and the word "Synced".

Name	Git status	Type	Task	Owner	Refreshed	Next refresh	Endorsement	Sensitivity	Includes
ContosoAnalytics	Synced	Lakehouse		Patrick LeBlanc	—	—	—	Confidential/Misc...	
ContosoAnalytics	—	Semantic model		Contoso Sales An...	3/13/24, 10:25:52 AM	N/A	—	Confidential/Misc...	
ContosoAnalytics	—	SQL analytics end...		Contoso Sales An...	3/18/24, 10:20:01 AM	N/A	—	Confidential/Misc...	
Customer Listing	Synced	Paginated Report		Contoso Sales An...	—	—	—	Confidential/Misc...	
Daily Sales Update	Synced	Data pipeline		Patrick LeBlanc	—	—	—	Confidential/Misc...	
Employee Information	Synced	Report		Contoso Sales An...	3/18/24, 10:03:36 AM	—	—	Non-Business II	
Employee Information	Synced	Semantic model		Contoso Sales An...	3/18/24, 10:03:36 AM	N/A	—	Non-Business II	
Employee Sales	Synced	Report		Contoso Sales An...	3/18/24, 10:03:34 AM	—	—	Non-Business II	
Employee Sales	Synced	Semantic model		Contoso Sales An...	3/18/24, 10:03:34 AM	N/A	—	Non-Business II	
Fraud Analysis and Detection	Synced	Paginated Report		Contoso Sales An...	—	—	—	Confidential/Misc...	
Initialize the Gold Zone	Synced	Notebook		Patrick LeBlanc	—	—	—	Confidential/Misc...	
Load Bronze Zone	Synced	Notebook		Patrick LeBlanc	—	—	—	Confidential/Misc...	
Load Silver Zone	Synced	Notebook		Patrick LeBlanc	—	—	—	Confidential/Misc...	
Store Sales Analytics	Synced	Report		Contoso Sales An...	3/13/24, 12:11:38 PM	—	—	Non-Business II	
Store Sales Analytics	Synced	Semantic model		Contoso Sales An...	3/13/24, 12:11:38 PM	N/A	—	Non-Business II	

Public Preview



Folders in
workspaces



Data Pipeline, Data
Warehouse, Spark Job
definitions, and Spark
Environments items
supported in Git integration



Automate CI/CD
processes
with Fabric APIs
for Git and
Deployment Pipelines



Git integrated
branching
experience for
workspaces

Sneak Peek

Task flows

GitHub support for
Fabric Git Integration



OneLake

Public Preview

Shortcuts to Google Cloud Storage



OneLake

Public Preview

Shortcut to S3 compatible sources



OneLake

Amazon S3 API compatible sources

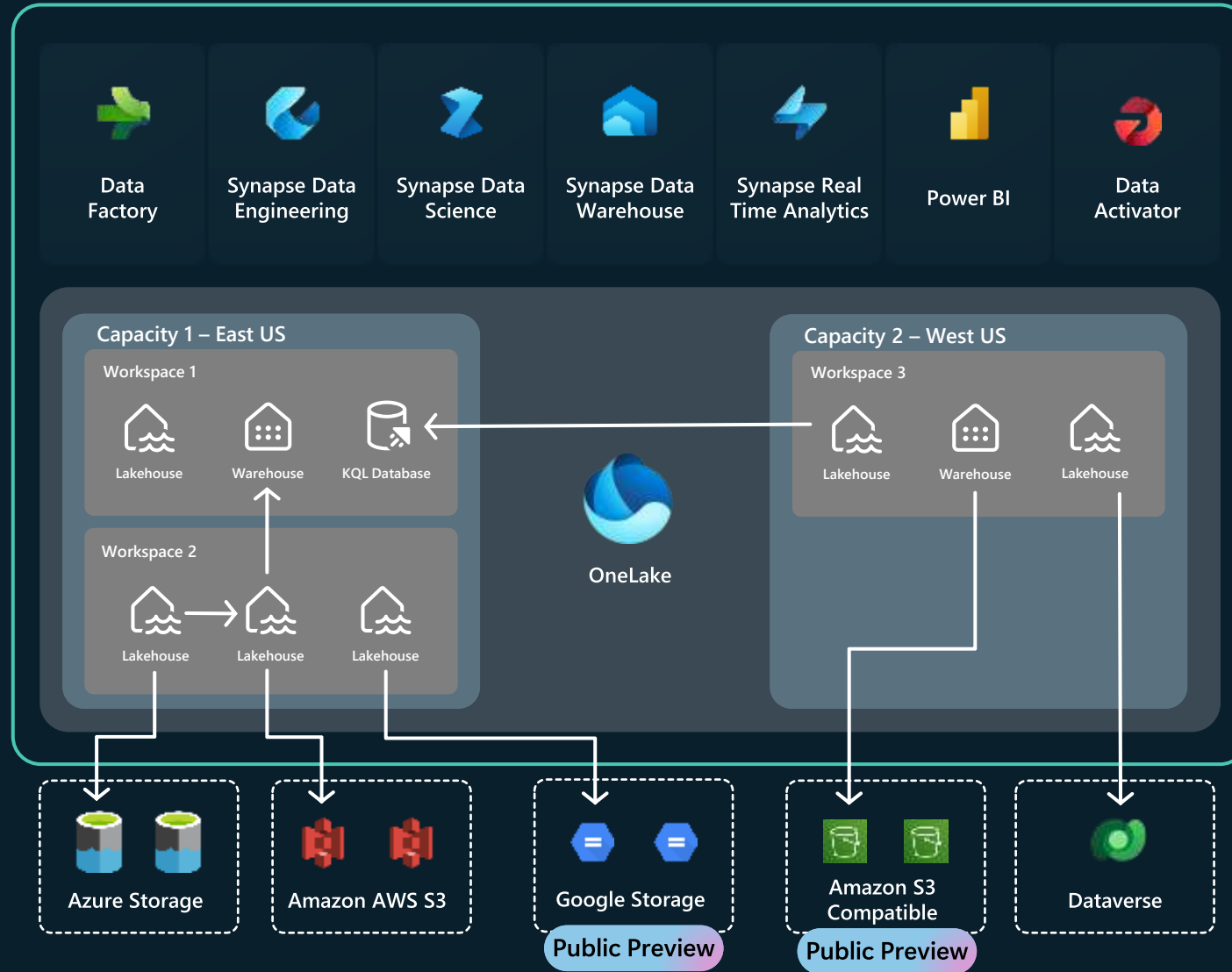
The Amazon S3 API is the most widely supported API for Distributed File Systems and object stores, both in the cloud and on-premises.

- Cloud: Cloudflare, Qumulo, ...
- On-premises: Dell ECS, MinIO, IBM, Pure Storage, Cloudian, NetApp, Scality, ...

Magic Quadrant

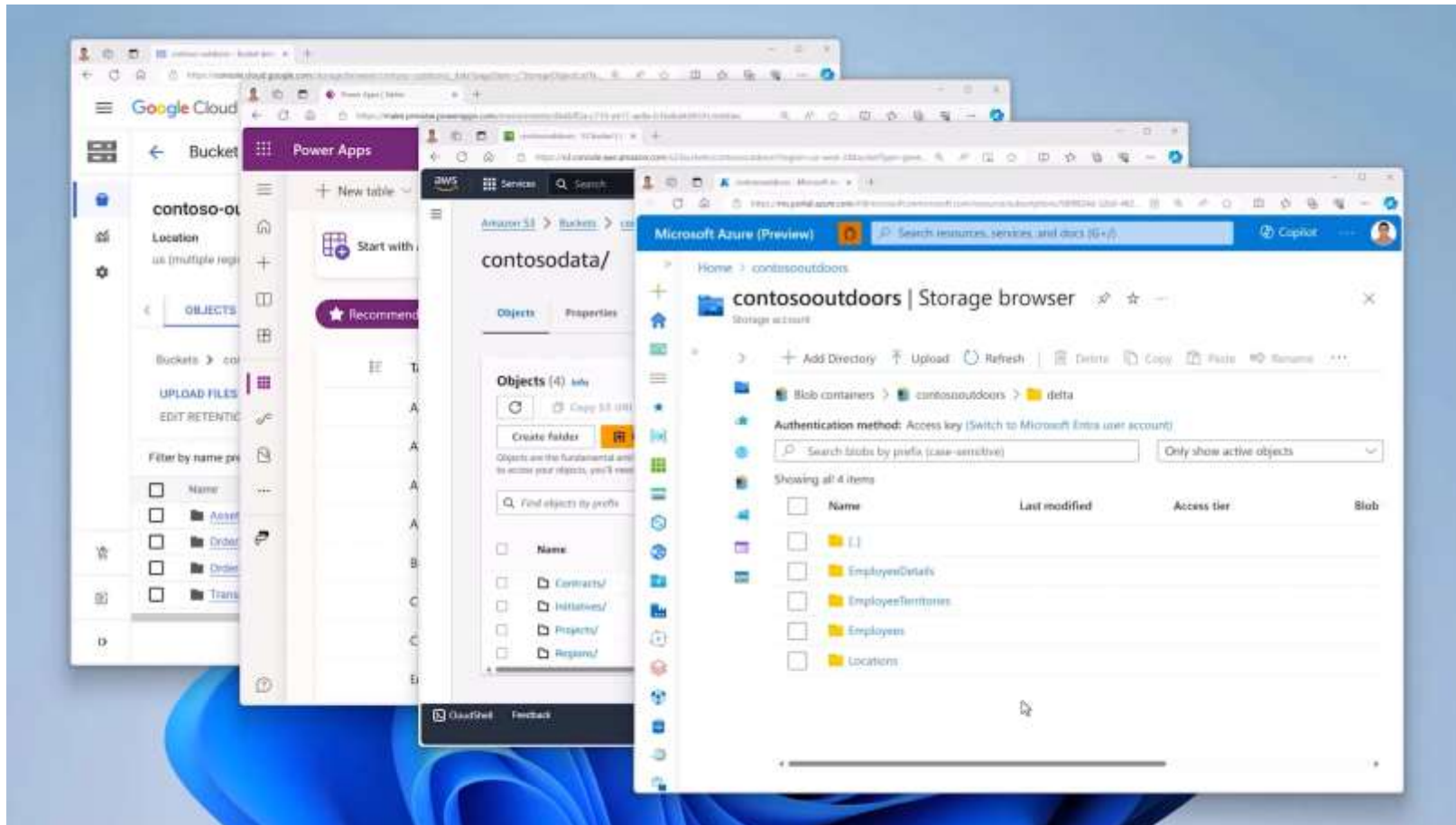
Figure 1: Magic Quadrant for Distributed File Systems and Object Storage





Fabric is lake-centric and open

Shortcuts enable your data teams to virtualize data in OneLake without moving or duplicating the data



Coming Soon

External data sharing



OneLake

Focused Other



Alice Contoso shared Test_Test_PBI_Daily_Testing data with you



Microsoft Power BI

Alice Contoso shared T... 3:08 PM

Accept the data share invite to co...

Last week



GitLab

Your personal access to... Sat 3/9

Hi Admin Daily! The following per...



Azure DevOps

[Build succeeded] Aviv ... Tue 3/5

[Build succeeded] Aviv Demo Test...



Azure DevOps

[Build succeeded] Aviv ... Tue 3/5

[Build succeeded] Aviv Demo Test...



Azure DevOps

[Build failed] Marketing... Tue 3/5

[Build failed] Marketing - Marketi...



Azure DevOps

[Build failed] Marketing... Tue 3/5

[Build failed] Marketing - Marketi...



Azure DevOps

[Build failed] Marketing... Tue 3/5

[Build failed] Marketing - Marketi...



Azure DevOps

[Build failed] Marketing... Sun 3/3

[Build failed] Marketing - Marketi...



Azure DevOps

[Build failed] Marketing... Sun 3/3

[Build failed] Marketing - Marketi...



Azure DevOps

[Build failed] Marketing... Sun 3/3

[Build failed] Marketing - Marketi...



Microsoft Power BI <no-reply-powerbi@microsoft.com>

To: Test Admin



Reply



Reply all



Microsoft

Fabric

You're invited to accept a data share

Alice Contoso has shared Test_Test_PBI_Daily_Testing data with you. Here are the details:

Share name: Suppliers

Here is the data.

[Get started >](#)

What you should know

- This invite was sent to you on behalf of AdminUser@pbidaily.onmicrosoft.com.
- The invite provides read-only access to data in an external location.
- Accepting this invite lets you connect this data to a location within your organization's Microsoft Fabric tenant.
- Once connected, you can view, use, and share the data within your own organization.

[f](#) [t](#) [v](#) [in](#)

[Privacy Statement](#)

Microsoft Corporation, One Microsoft Way, Redmond, WA 98052



Microsoft

Review and accept an external data share (preview)

Name

Suppliers

Data type

Table

Microsoft Fabric tenant name

Test_Test_PBI_Daily_Testing

Microsoft Entra domain name ⓘ

pbidaily.onmicrosoft.com

Tenant ID

82e09e3a-99a6-4ec0-a928-e8a90bcd1515



By accepting this data share you are connecting to data from an external source.

[Learn more about external data shares](#) ⓘ

Accept and select a location

Cancel

Select an existing lakehouse for this data

All My data Endorsed in your org Favorites

Filter by keyword

Explorer

Name	Owner	Refreshed	Endorsement	Sensitivity
OutdoorsLH	Admin User	-	-	Confidential/ML...
sharerLake	Admin User	-	-	-
receiver_lakehouse_1	Admin User	-	-	-
NorthwindDatabase	Admin User	-	-	MMD-temp-label
TestLK01	Admin User	-	-	MMD-temp-label
EinatLake	Admin User	-	-	-
testLH	Admin User	-	-	MMD-temp-label
OmerLakehouse2	Admin User	-	-	-
destinationLH	Admin User	-	-	MMD-temp-label
t0stest	Admin User	-	-	MMD-temp-label
testnewLH	Admin User	-	-	MMD-temp-label
OmerLakehouse1	Admin User	-	-	-

Next

Cancel

New

Current work

Items will be a

Data Activ

Monitor data

Reflex (Pr

Monitor da

Trigger acti

Data Deve

Build moden

Data func

Author, test

for labrinc

Data Engin

Create a lake

Lakehous

Store big da

Data Facto

Empower yo



OneLake data hub



Now select a folder in the lakehouse



OneLake



OutdoorsLH



Tables



Files

Previous

Apply

Cancel

Explorer

OutdoorsLH

Tables

- Employees_ADLS
- EmployeeTerritories_ADLS
- External_Suppliers
- OrderDetails_GCS
- Orders_GCS
- Products
- Regions_AWSS3
- Shippers
- SupportCalls_Dataverse
- Territories

Files

Archive

- 2022
- 2023
- 2024
- LandingZone
- MarketingAssets_Dell

External_Suppliers

Showing 29 rows

	supplier_id	ABC_company_na...	ABC_contact_name	ABC_contact_title	ABC_address	ABC_city	ABC_region	ABC_postal_code	ABC_country	ABC_phone	ABC_t...
1	1	Exotic Liquids	Charlotte Cooper	Purchasing Mana...	49 Gilbert St.	London		EC1 4SD	UK	(171) 555-2222	
2	2	New Orleans Caj...	Shelley Burke	Order Administra...	P.O. Box 78934	New Orleans	LA	70117	USA	(100) 555-4822	
3	3	Grandma Kelly's ...	Regina Murphy	Sales Representa...	707 Oxford Rd.	Ann Arbor	MI	48104	USA	(313) 555-5735	(313) 4
4	4	Tokyo Traders	Yoshi Nagase	Marketing Mana...	9-8 Sekimai Mus...	Tokyo		100	Japan	(03) 3555-5011	
5	5	Cooperativa de ...	Antonio del Valle...	Export Administr...	Calle del Rosal 4	Oviedo	Asturias	33007	Spain	(98) 598 76 54	
6	6	Mayumi's	Mayumi Ohno	Marketing Repre...	92 Setsuko Chuo...	Osaka		545	Japan	(06) 431-7877	
7	7	Pavlova, Ltd.	Ian Devling	Marketing Mana...	74 Rose St. Moo...	Melbourne	Victoria	3058	Australia	(03) 444-2343	(03) 4
8	8	Specialty Biscuits...	Peter Wilson	Sales Representa...	29 King's Way	Manchester		M14 6SD	UK	(161) 555-4448	
9	9	PB Knäckebröd AB	Lars Peterson	Sales Agent	Kaloadagatan 13	Göteborg		S-345 67	Sweden	031-987 65 43	031-9
10	10	Refrescos Americ...	Carlos Diaz	Marketing Mana...	Av. das American...	Sao Paulo		5442	Brazil	(11) 555-4640	
11	11	Heli Süßwaren G...	Petra Winkler	Sales Manager	Tiergartenstraße 5	Berlin		10785	Germany	(010) 9984510	
12	12	Plutzer Lebensmi...	Martin Bein	International Ma...	Bogenallee 51	Frankfurt		60439	Germany	(069) 992755	
13	13	Nord-Ost-Fisch ...	Sven Petersen	Coordinator Fore...	Frahmredder 112a	Cuxhaven		27478	Germany	(04721) 8713	(0472
14	14	Formaggi Fortini ...	Elio Rossi	Sales Representa...	Viale Dante, 75	Ravenna		48100	Italy	(0544) 60323	(0544
15	15	Norske Meierier	Beate Vileid	Marketing Mana...	Hatlevegen 5	Sandvika		1320	Norway	(0)2-953010	
16	16	Bigfoot Breweries	Cheryl Saylor	Regional Accoun...	3400 - 8th Avenu...	Bend	OR	97101	USA	(503) 555-9931	
17	17	Svensk Sjöföda AB	Michael Björn	Sales Representa...	Brovallavägen 231	Stockholm		S-123 45	Sweden	08-123 45 67	
18	18	Aux Joyeux ecclè...	Guyline Nodier	Sales Manager	203, Rue des Fra...	Paris		75004	France	(1) 03.83.00.68	(1) 03
19	19	New England Se...	Robb Merchant	Wholesale Accou...	Order Processing...	Boston	MA	02134	USA	(617) 555-3267	(617)
20	20	Leka Trading	Chandra Leka	Owner	471 Serangoon L...	Singapore		0512	Singapore	555-8787	
21	21	Lyngbysild	Niels Petersen	Sales Manager	Lyngbysild Fiske...	Lyngby		2800	Denmark	43844108	43844
22	22	Zaanse Snoepfab...	Dirk Luchte	Accounting Man...	Verkoop Rijnweg...	Zaandam		9999 ZZ	Netherlands	(12345) 1212	(1234
23	23	Karkki Oy	Anne Heikkinen	Product Manager	Valtakatu 12	Lappeenranta		53120	Finland	(953) 10956	
24	24	G'day, Mate	Wendy Mackenzie	Sales Representa...	170 Prince Edwar...	Sydney	NSW	2042	Australia	(02) 555-5914	(02) 5
25	25	Ma Maison	Jean-Guy Lauzon	Marketing Mana...	2960 Rue St. Lau...	Montréal	Québec	H1J 1C3	Canada	(514) 555-9022	
26	26	Pasta Buttini s.r.l.	Giovanni Giudici	Order Administra...	Via del Gelsomin...	Salerno		84100	Italy	(089) 6547665	(089)
27	27	Escarpots Nouve...	Marie Delamare	Sales Manager	22, rue H. Voiron	Montceau		71300	France	85.57.00.07	

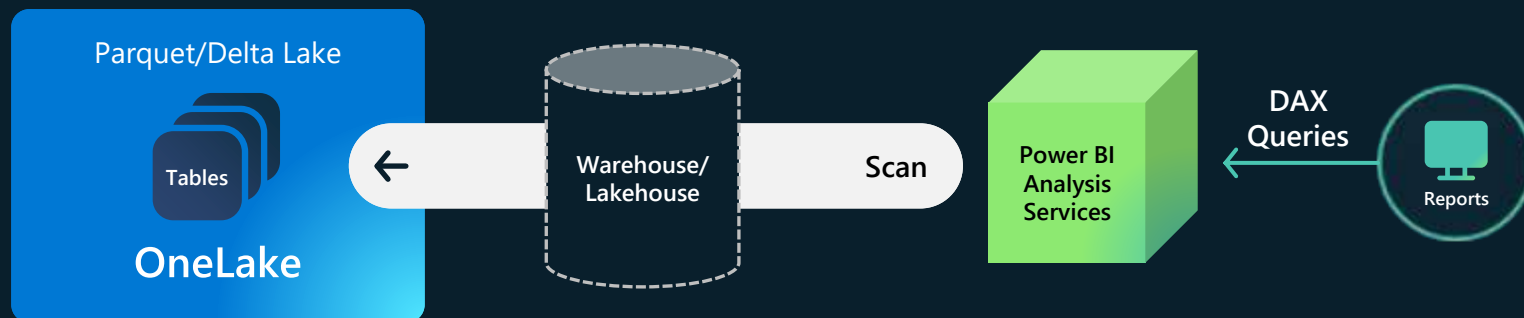


Direct Lake Mode

No news?!

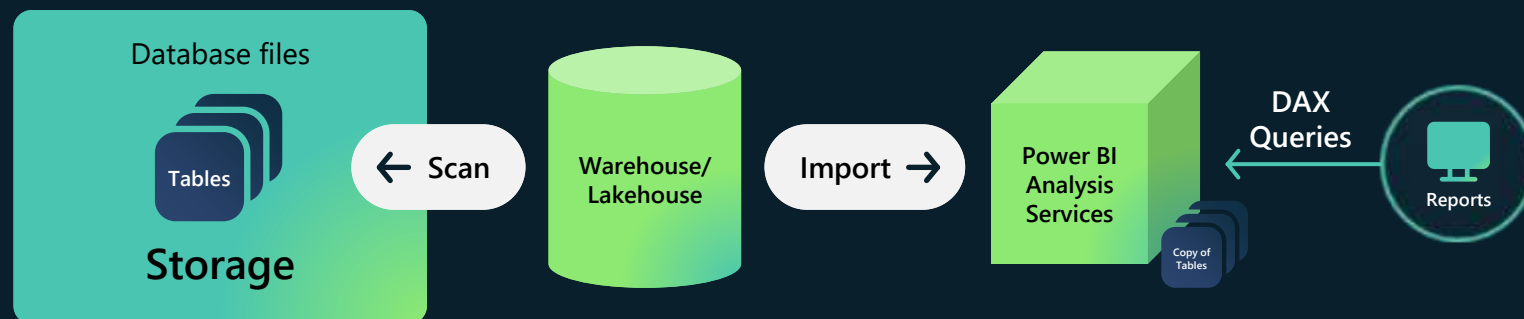
"Direct Lake Mode"

Perfect!



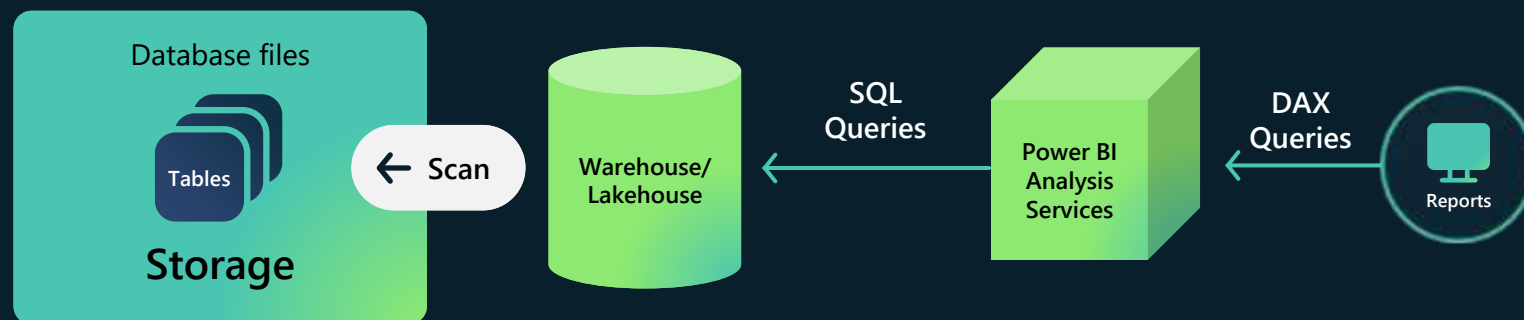
"Import Mode"

Latent & duplicative but fast



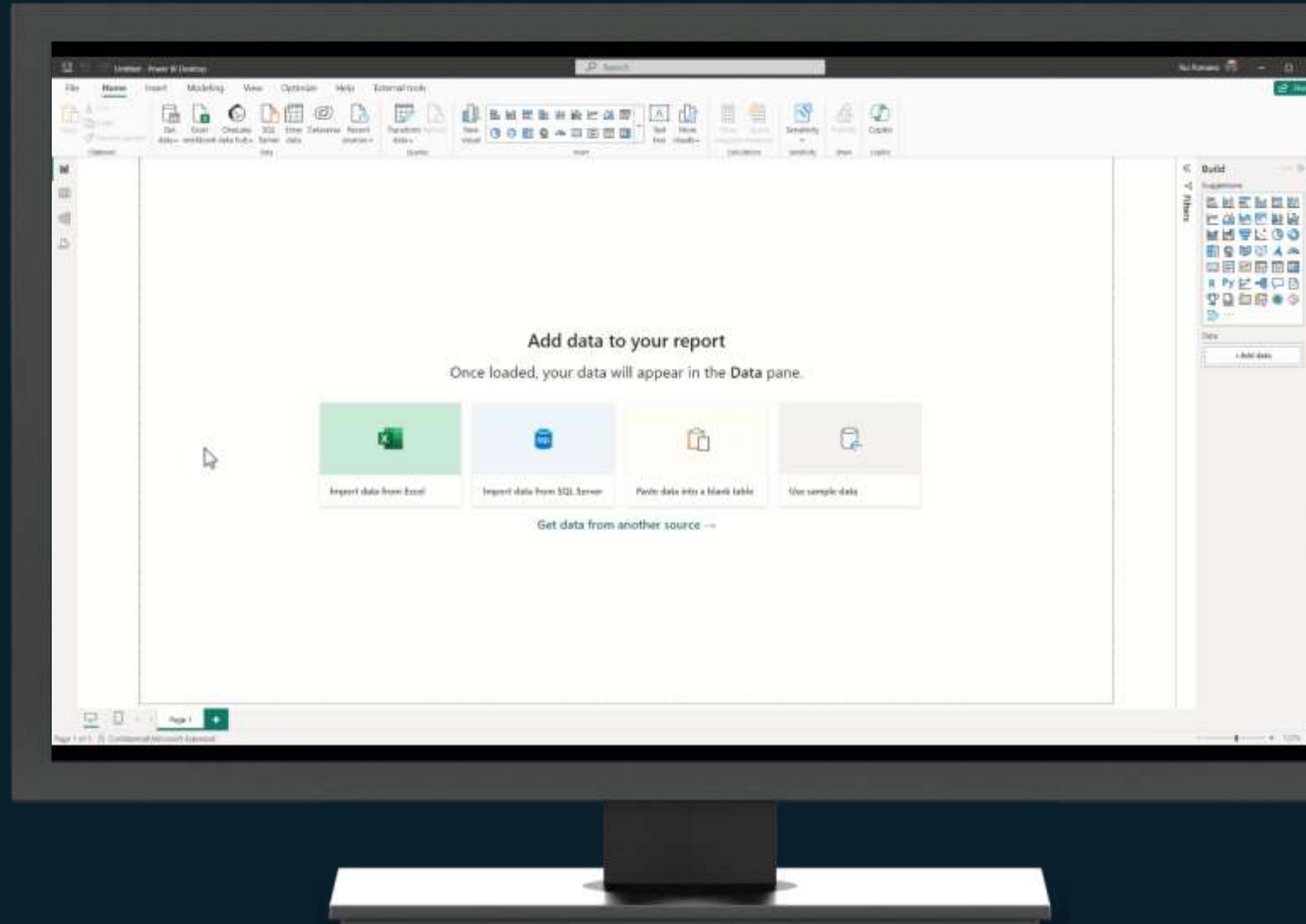
"Direct Query Mode"

Slow, but real time



Coming soon

Direct Lake in Power BI Desktop





Data Integration

Data Integration... 1/3

The screenshot displays the Microsoft Power Query Editor interface, which is used for data integration and transformation. The interface is divided into several sections:

- Home Tab:** Contains various icons for data operations such as Get data, Merge, Append, and Transform.
- Queries List:** On the left, a list of queries is shown, including 'Customers', 'Orders', 'Products', and 'Customer outdoor membership'.
- Query Settings:** On the right, a panel for configuring the selected query, including properties, data type, and applied steps.
- Query Editor:** The central workspace where the data transformation steps are visualized. A 'Table.TransformColumns' step is highlighted, showing a mapping of source columns to target columns with specific transformations.
- Data Preview:** At the bottom, a preview of the transformed data is shown as a table with columns like 'Sales', 'Last Name', 'First Name', 'Email', 'Phone', and 'Date of birth'.

The 'Table.TransformColumns' step is configured with the following mappings:

Source Column	Target Column	Transformation
[Sales]	[Sales]	Text
[Last Name]	[Last Name]	Text
[First Name]	[First Name]	Text
[Email]	[Email]	Text
[Phone]	[Phone]	Text
[Date of birth]	[Date of birth]	Text

The data preview shows the following rows:

Sales	Last Name	First Name	Email	Phone	Date of birth
1	Smith	John	john.smith@example.com	+1 415 432 3456	1975-01-01
2	Johnson	Jane	jane.johnson@example.com	+1 415 432 3457	1975-01-02
3	Williams	Mike	mike.williams@example.com	+1 415 432 3458	1975-01-03
4	Brown	Sarah	sarah.brown@example.com	+1 415 432 3459	1975-01-04
5	Miller	David	david.miller@example.com	+1 415 432 3460	1975-01-05
6	Wilson	Emily	emily.wilson@example.com	+1 415 432 3461	1975-01-06
7	Moore	Robert	robert.moore@example.com	+1 415 432 3462	1975-01-07
8	Taylor	Laura	laura.taylor@example.com	+1 415 432 3463	1975-01-08
9	Anderson	James	james.anderson@example.com	+1 415 432 3464	1975-01-09
10	Thomas	Anna	anna.thomas@example.com	+1 415 432 3465	1975-01-10

Data Integration... 2/3

The screenshot displays the Microsoft SQL Server Enterprise Manager interface. On the left, the 'Object Explorer' pane shows the database structure for 'Contoso-Web-Sales (SQL Server 10.0.4103.2 - administrative)'. The 'Tables' folder is expanded, and 'Purchasing.PurchaseOrders' is selected. The central 'Query Window' contains the following SQL query:

```
SELECT TOP (1000) [PurchaseOrderID]
, [SupplierID]
, [OrderDate]
, [DeliveryMethodID]
, [ContactPersonID]
, [ExpectedDeliveryDate]
, [SupplierReference]
, [IsOrderFinalized]
, [Comments]
, [InternalComments]
, [LastEditedBy]
, [LastEditedWhen]
FROM [ContosoOutdoorsManaged].[Purchasing].[PurchaseOrders]
```

Below the query window, the 'Messages' pane shows the execution progress. At the bottom, a 'Results' grid displays the first 24 rows of the query results. The columns are: PurchaseOrderID, SupplierID, OrderDate, DeliveryMethodID, ContactPersonID, ExpectedDeliveryDate, SupplierReference, IsOrderFinalized, Comments, InternalComments, LastEditedBy, and LastEditedWhen.

PurchaseOrderID	SupplierID	OrderDate	DeliveryMethodID	ContactPersonID	ExpectedDeliveryDate	SupplierReference	IsOrderFinalized	Comments	InternalComments	LastEditedBy	LastEditedWhen
1	2	2013-01-01	8	2	2013-01-15	82094620	1	N/A	N/A	9	2013-01-02 07:00:00.0000000
2	2	2013-01-01	7	2	2013-01-15	289982	1	N/A	N/A	8	2013-01-02 07:00:00.0000000
3	9	2013-01-01	10	9	2013-01-15	98809822	1	N/A	N/A	8	2013-01-02 07:00:00.0000000
4	4	2013-01-01	2	2	2013-01-15	903209882	1	N/A	N/A	8	2013-01-02 07:00:00.0000000
5	5	2013-01-01	8	2	2013-01-15	963000202	1	N/A	N/A	8	2013-01-02 07:00:00.0000000
6	6	2013-01-01	7	2	2013-01-15	27488822	1	N/A	N/A	9	2013-01-02 07:00:00.0000000
7	7	2013-01-02	7	2	2013-01-22	289982	1	N/A	N/A	8	2013-01-03 07:00:00.0000000
8	8	2013-01-02	10	2	2013-01-22	98809822	1	N/A	N/A	8	2013-01-03 07:00:00.0000000
9	9	2013-01-02	2	2	2013-01-22	903209882	1	N/A	N/A	8	2013-01-03 07:00:00.0000000
10	10	2013-01-02	8	2	2013-01-22	963000202	1	N/A	N/A	8	2013-01-03 07:00:00.0000000
11	11	2013-01-02	7	2	2013-01-22	27488822	1	N/A	N/A	8	2013-01-03 07:00:00.0000000
12	12	2013-01-03	7	2	2013-01-25	289982	1	N/A	N/A	8	2013-01-04 07:00:00.0000000
13	13	2013-01-03	10	2	2013-01-25	98809822	1	N/A	N/A	8	2013-01-04 07:00:00.0000000
14	14	2013-01-03	2	2	2013-01-25	903209882	1	N/A	N/A	8	2013-01-04 07:00:00.0000000
15	15	2013-01-03	8	2	2013-01-25	963000202	1	N/A	N/A	8	2013-01-04 07:00:00.0000000
16	16	2013-01-03	7	2	2013-01-25	27488822	1	N/A	N/A	8	2013-01-04 07:00:00.0000000
17	17	2013-01-04	7	2	2013-01-28	289982	1	N/A	N/A	8	2013-01-05 07:00:00.0000000
18	18	2013-01-04	10	2	2013-01-28	98809822	1	N/A	N/A	8	2013-01-05 07:00:00.0000000
19	19	2013-01-04	2	2	2013-01-28	903209882	1	N/A	N/A	8	2013-01-05 07:00:00.0000000
20	20	2013-01-04	8	2	2013-01-28	963000202	1	N/A	N/A	8	2013-01-05 07:00:00.0000000
21	21	2013-01-05	7	2	2013-01-28	289982	1	N/A	N/A	8	2013-01-06 07:00:00.0000000
22	22	2013-01-05	10	2	2013-01-28	98809822	1	N/A	N/A	8	2013-01-06 07:00:00.0000000
23	23	2013-01-05	2	2	2013-01-28	903209882	1	N/A	N/A	8	2013-01-06 07:00:00.0000000
24	24	2013-01-05	8	2	2013-01-28	963000202	1	N/A	N/A	8	2013-01-06 07:00:00.0000000

Data Integration... 3/3


Semantic Model Refresh Activity

Trigger Power BI semantic model refreshes from Pipelines

Preview

Build a data pipeline to organize and move your data


Start with a blank canvas




Pipeline activity
Automate data orchestrations using rich no-code activities.

Start with guidance

Orchestrate
Semantic model refresh (Preview)




Copy data assistant
Follow guided steps to copy data into Microsoft Fabric, as well as other data stores.



Practice with sample data
Quickly build a data pipeline with a predefined template to load data into Lakehouse.

Templates
Generate a new data pipe quickly using a predefined scenario.

Need help? [Watch a demo](#)

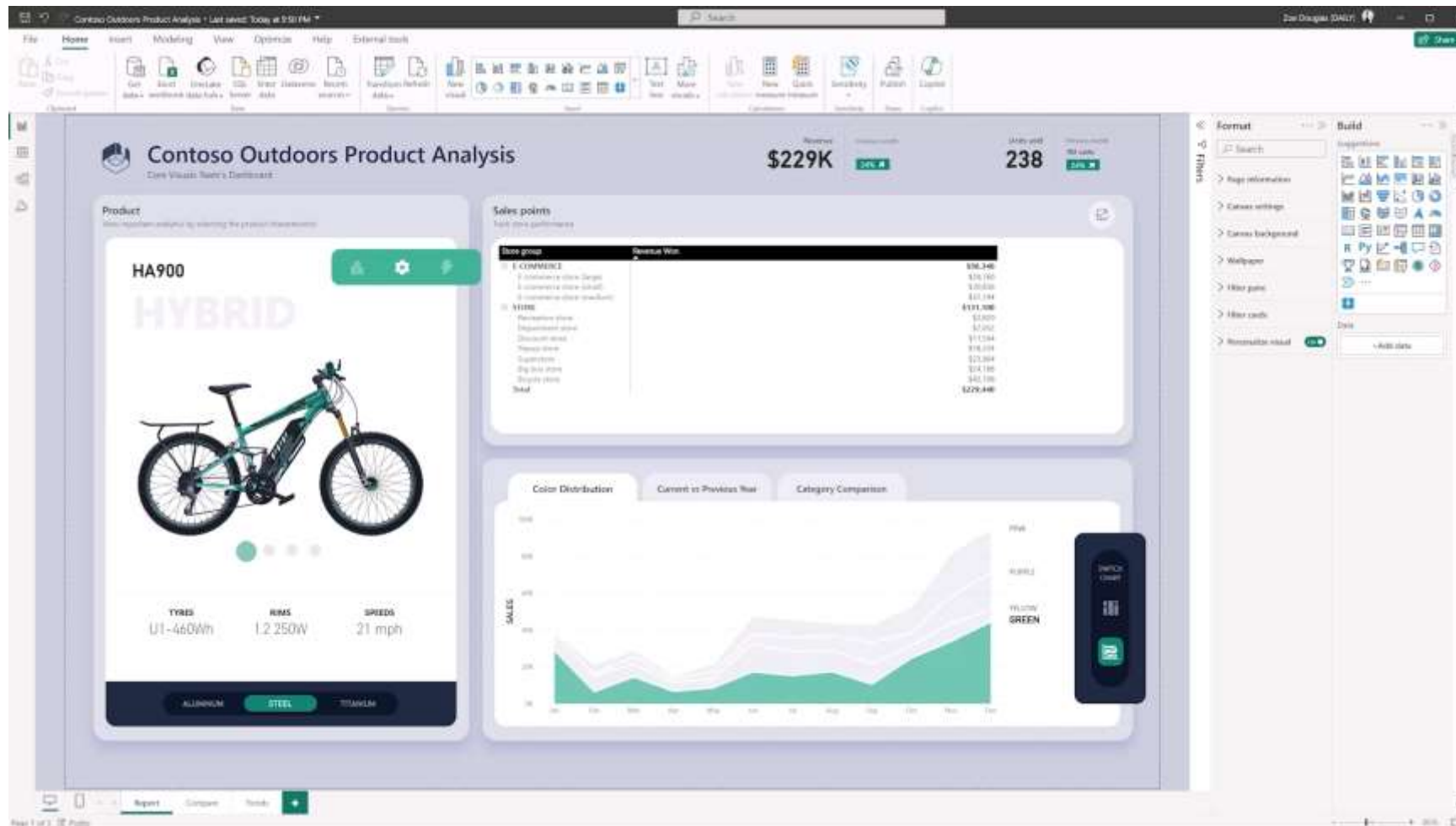


Top ask from the community!



Power BI

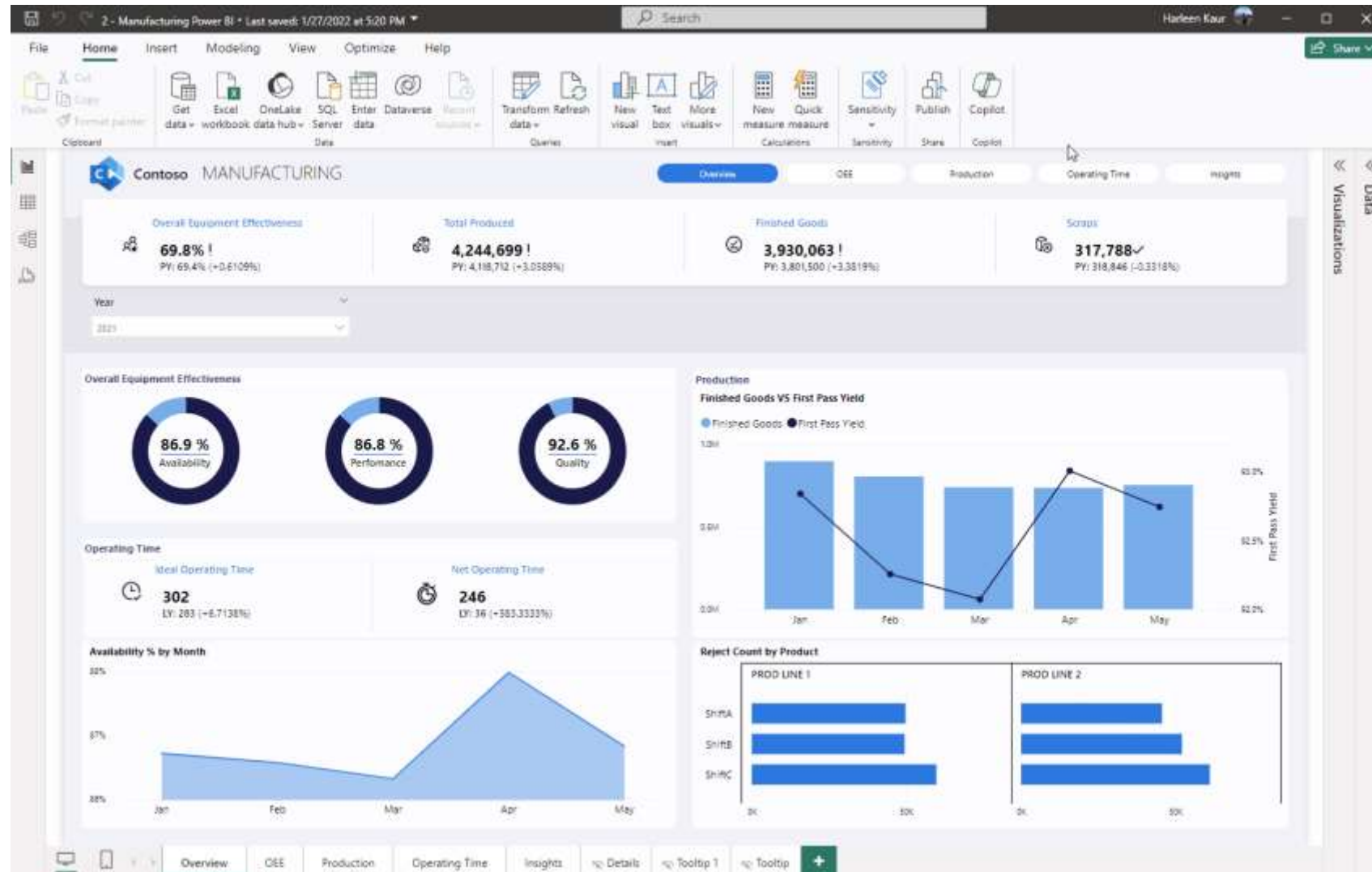
Enhancements to the core Power BI visuals



Enterprise Semantic Model

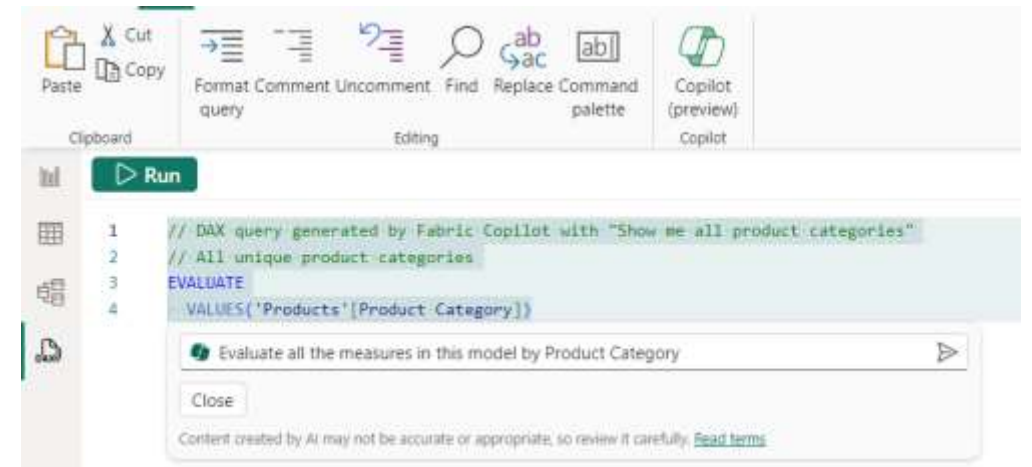
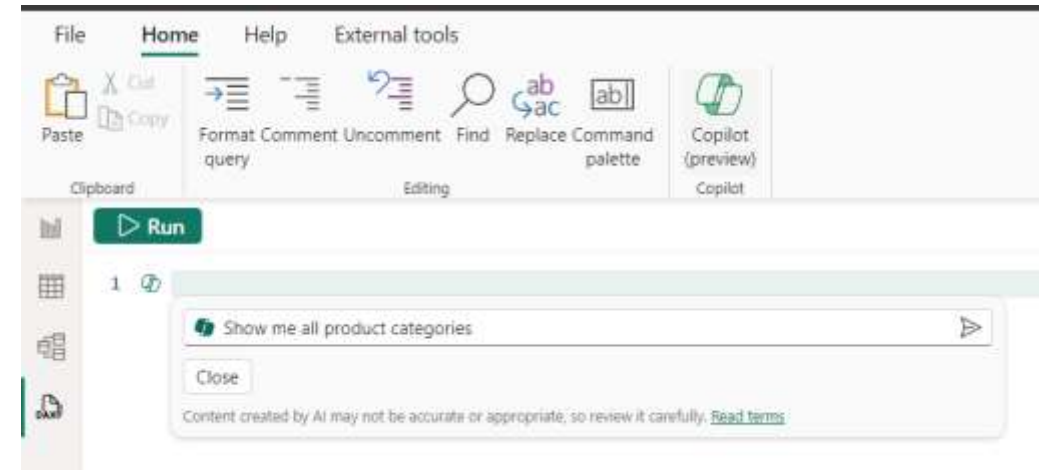


Intro Copilot Pane in PBI Desktop (preview)



Deep dive into DAX query view with Copilot

- Type in what you would like in a DAX query and Copilot can write it for you
- Adjust an existing DAX query with Copilot
- Create new measures with Copilot
- Find out more about DAX functions or topics while you are in DAX query view with Copilot
- Explain a DAX query already written with Copilot



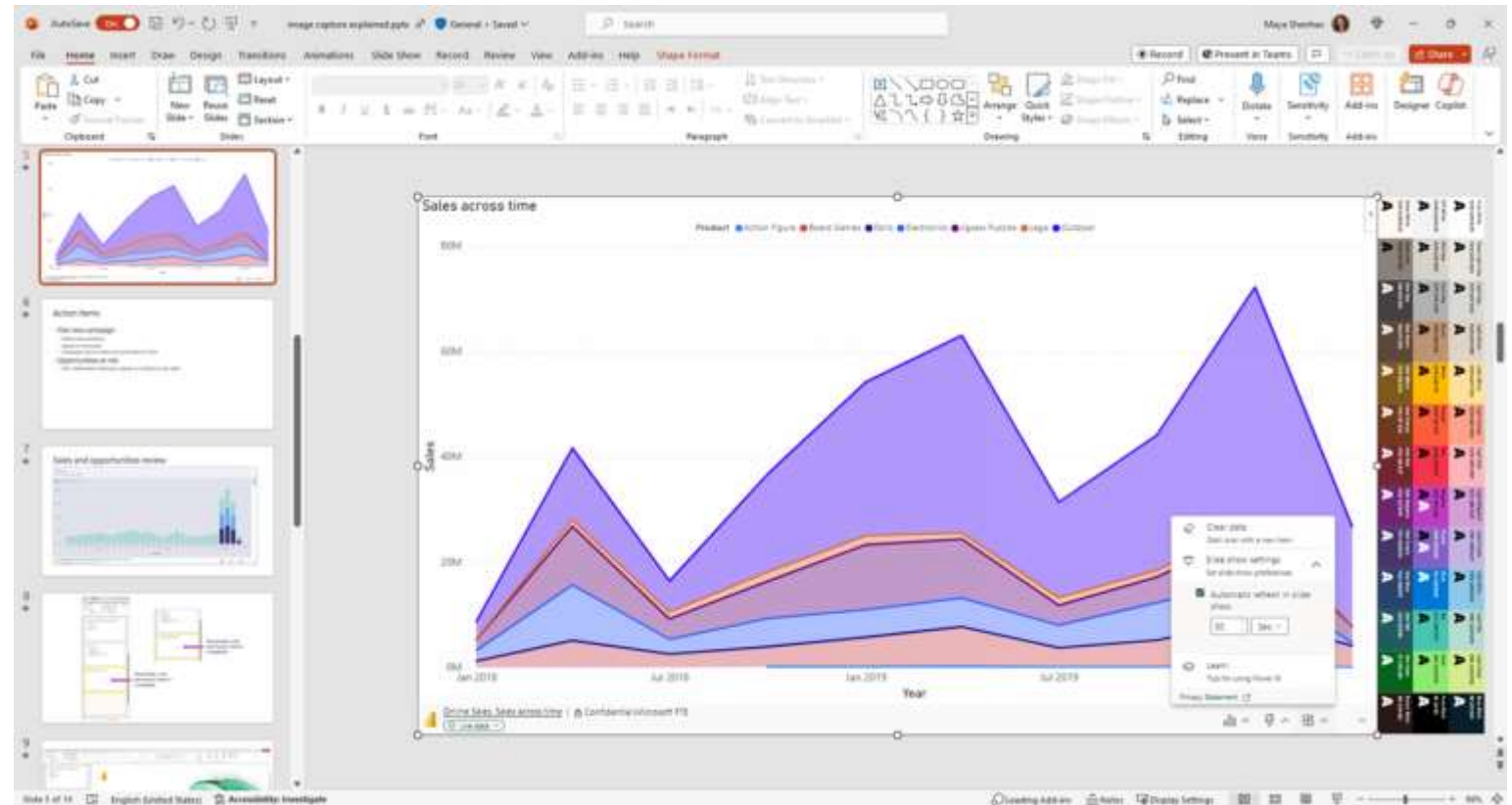
Copilot for BI Consumers

The screenshot displays the Microsoft DXT Power BI Home interface. The top navigation bar includes the Microsoft DXT logo, a search bar, and a trial status indicator. The left sidebar contains navigation icons for Home, Create, Browse, OneLake data hub, Apps, Metrics, Monitoring hub, Deployment pipelines, Learn, and Workspaces. The main content area features a 'Recommended' section with four app tiles: 'Feature Usage app' (frequently opened), 'Customer Loyalty Program Analytics' (favored), 'testForMaxim app' (featured by Menav Lahav), and another 'Feature Usage app' (opened by Mohammad Ali). Each tile has an 'Open' button. Below this is a 'Recent' section with tabs for Recent, Favorites, and My apps. A table lists recent items with columns for Name, Type, Opened, Location, Endorsement, and Sensitivity.

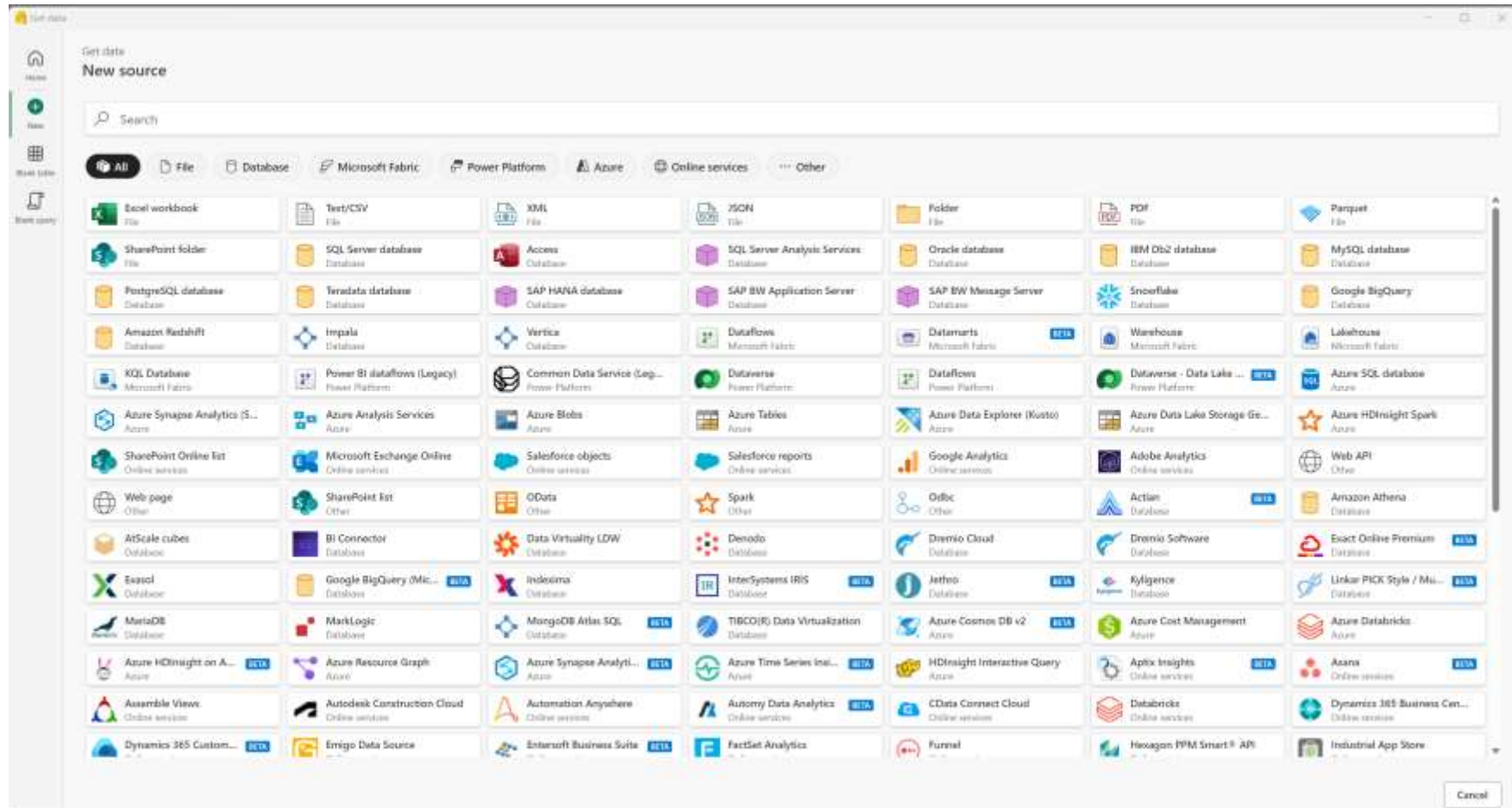
Name	Type	Opened	Location	Endorsement	Sensitivity
Contoso Customer Loyalty Program	Report	9 minutes ago	Contoso Sales Excellence	—	Confidential(Microsoft ...)
Customer Loyalty Program Analytics	App	an hour ago	Apps	—	—
Contoso Sales Excellence	Workspace	an hour ago	Workspaces	—	—

Supporting continuous Slide Shows in Power BI Storytelling add-in

- When slide-show configuration ON, the add-in automatically pulls data from Power BI
 - without anyone having to do anything, ensuring that the presentation always has the most recent data



Get data with Power Query available in Power BI Report Builder (Preview)



Deliver report Subscriptions to OneDrive and SharePoint

Subscriptions ✕

Keep track of your data by subscribing to this paginated report.

The sensitivity label on this paginated report does not appear in emails.

[Manage all](#)

▼ SearchTest

Subscription name *

SearchTest

Attach full report

PDF (.pdf) ▼
 Microsoft Excel (.xlsx)
 PDF (.pdf)
 Accessible PDF (.pdf)
 Microsoft PowerPoint (.pptx)
 Microsoft Word (.docx)
 XML (.xml)
 Comma Separated Values (.csv)

1/4/2024 11:30 AM UTC

Scheduled date and time

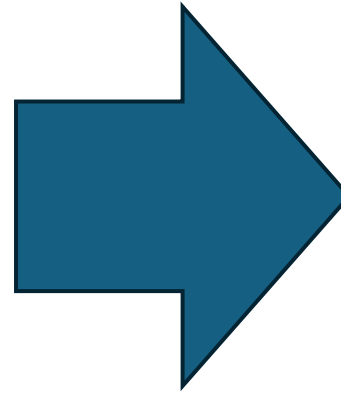
Start date * End date

3/6/2024 3/8/2024

Repeat *

Daily ▼

Scheduled time *



Send to *

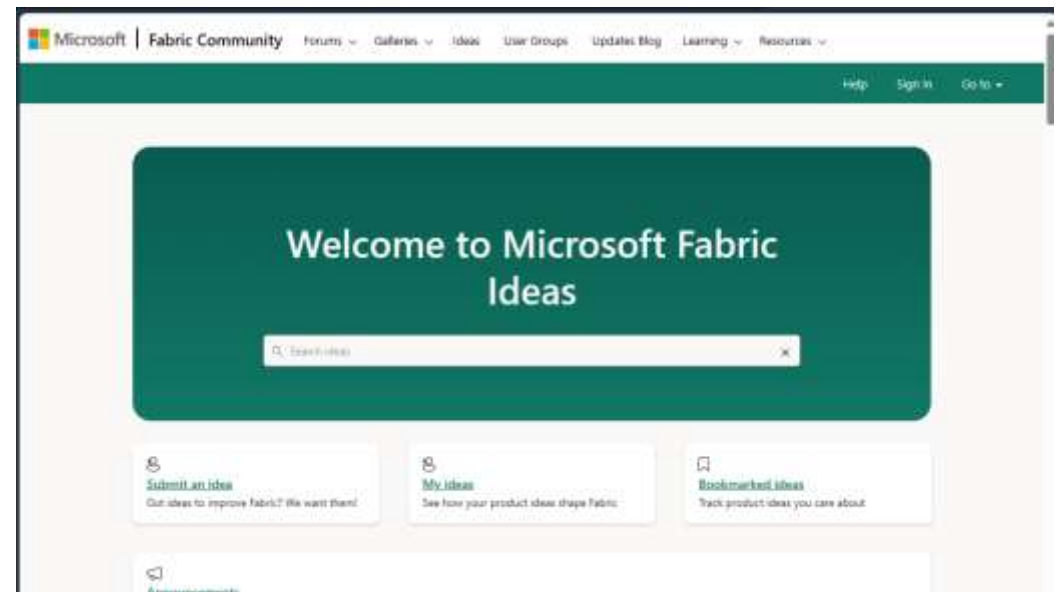
Email ▼

Email

OneDrive (preview)

SharePoint (preview)

<https://ideas.fabric.microsoft.com/>





Andrea Benedetti
Sr Cloud Architect, Microsoft

 /in/abenedetti

 @anBenedetti

 <https://github.com/anbened>

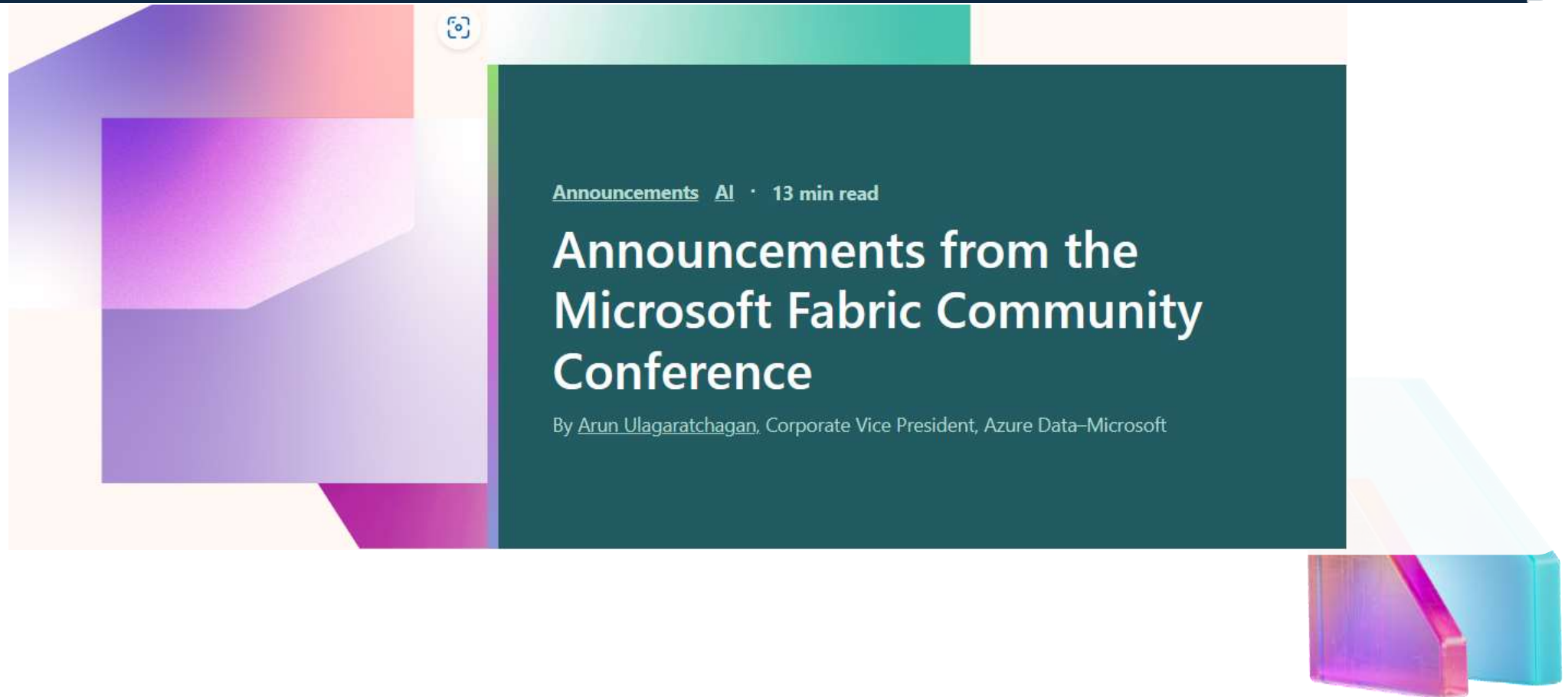
Thank you!



Add-on

FabCon Announcements

Announcements from the Microsoft Fabric Community Conference



FabCon Announcements – Platform

Public Preview

- **Folders in workspaces**
- **Data Pipelines, Data Warehouse, Spark Job definitions, and Spark Environments items supported in Git integration**
- Automate CI/CD processes with Fabric APIs for Git and Deployment Pipelines
- Git integrated branching experience for workspaces

Sneak Peak

- Taks flows
- GitHub support for Fabric Git Integration
- Custom Generative AI chat for your data in Fabric



FabCon Announcements – Data Factory

Public Preview

- **Data Pipeline access to on-premises data**
- Fast Copy for Dataflows Gen2
- Activity limit doubled for Data Pipelines
- **Semantic Model Refresh Activity**
- Cancel Dataflow Gen2 Refresh
- SPN support for VNET Data Gateway
- Modern Get Data: Browse Azure Connections
- Dataflow output destinations: Support for schema changes for Lakehouse & Azure SQL DB

Sneak Peak

- Incremental Refresh for Dataflows Gen2



FabCon Announcements – OneLake

Public Preview

- **Google Cloud Shortcuts**
- S3 Compatible Source Shortcuts
- Smart Caching for Shortcuts
- Shortcut APIs
- **OneLake data access roles**

Sneak Peak

- **Shourtcuts for on-premises data sources**
- External data sharing



FabCon Announcements – Data Engineering/Science

Public Preview

- **Spark Autotune**
- **Fabric Runtime 1.3**

Sneak Peak

- Lakehouse schemas
- T-SQL Notebooks
- Livy Endpoint
- VS Code Debugging
- Jobs run analytics



FabCon Announcements – Warehousing

Public Preview

- **Mirroring**

Sneak Peak

- Copilot for data warehousing



FabCon Announcements – Power BI

Public Preview

- New visual improvements
- Auto layout for mobile reports
- Visual calculations improvements
- Power BI Modeling on the Web improvements
- **Copilot in Power BI Desktop**
- Copilot for Power BI consumption

Sneak Peak

- Direct Lake semantic model with any OneLake data
- **Live editing in Power BI Desktop of Direct Lake semantic models**
- SQL query on any semantic model in OneLake
- Fabric Metrics Hub

