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Deep insights in your Microsoft Fabric landscape with FUAM



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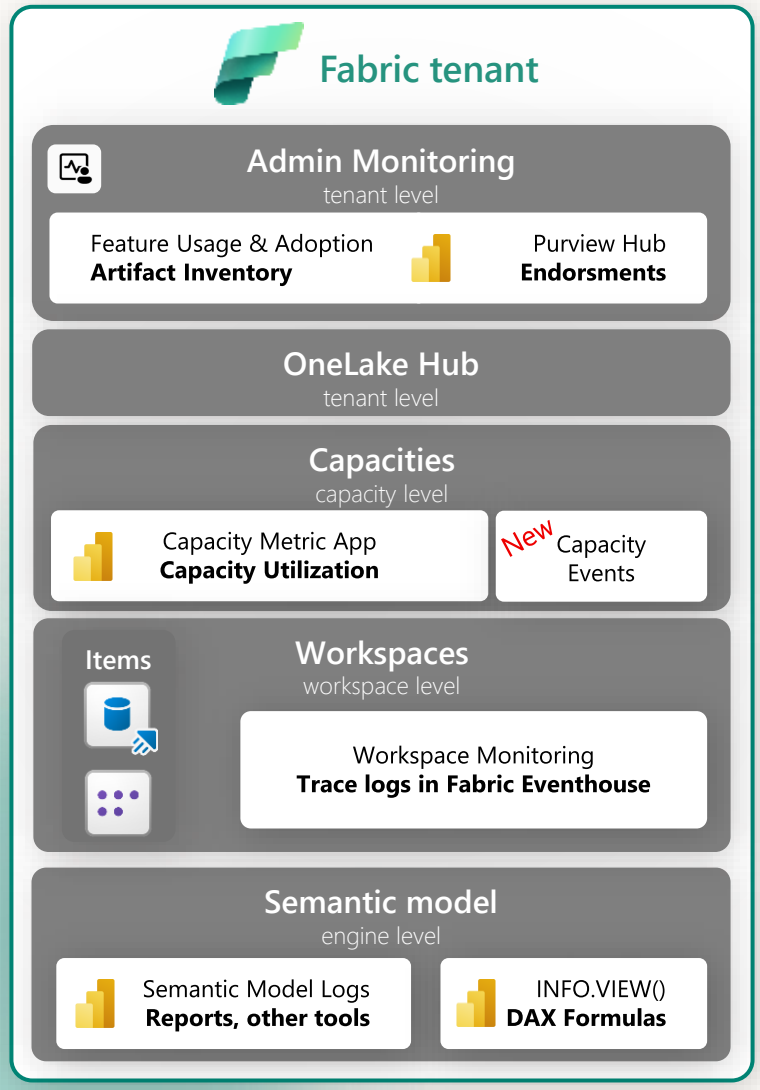


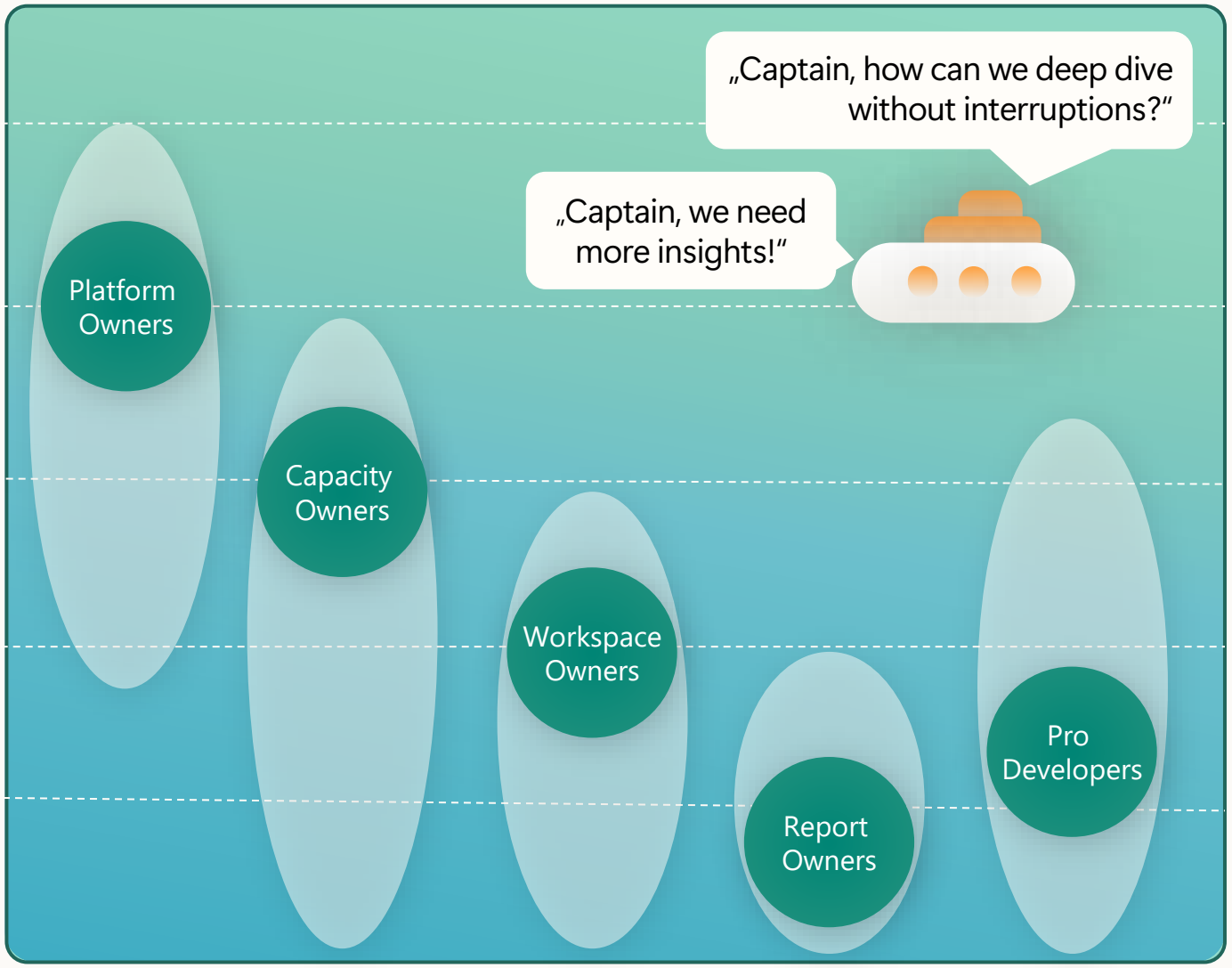




Fabric | Monitoring Map

Current monitoring stack and circle of interests





FUAM | Monitoring

A connected, flexible experience

Seamless analytical capabilities

FUAM provides a direct connection between levels, ensuring you can reduce time for instance in root-cause analysis.

Tenant

Activity logs, tenant inventory and “what is happened on that day” analysis.

Capacities

Capacity characteristics to understand workloads better with help of long-term capacity metric data.

Domains

Democratize and reshare insights to help business units optimize their solutions.

Workspaces

CU consumption insights on workspace level, helpful insights about item usage, anomalies and more.

Engines

Detailed analytics engine insights enables you to deep dive into items with the highest CU utilization.

Foundational monitoring levels

Specialized insights

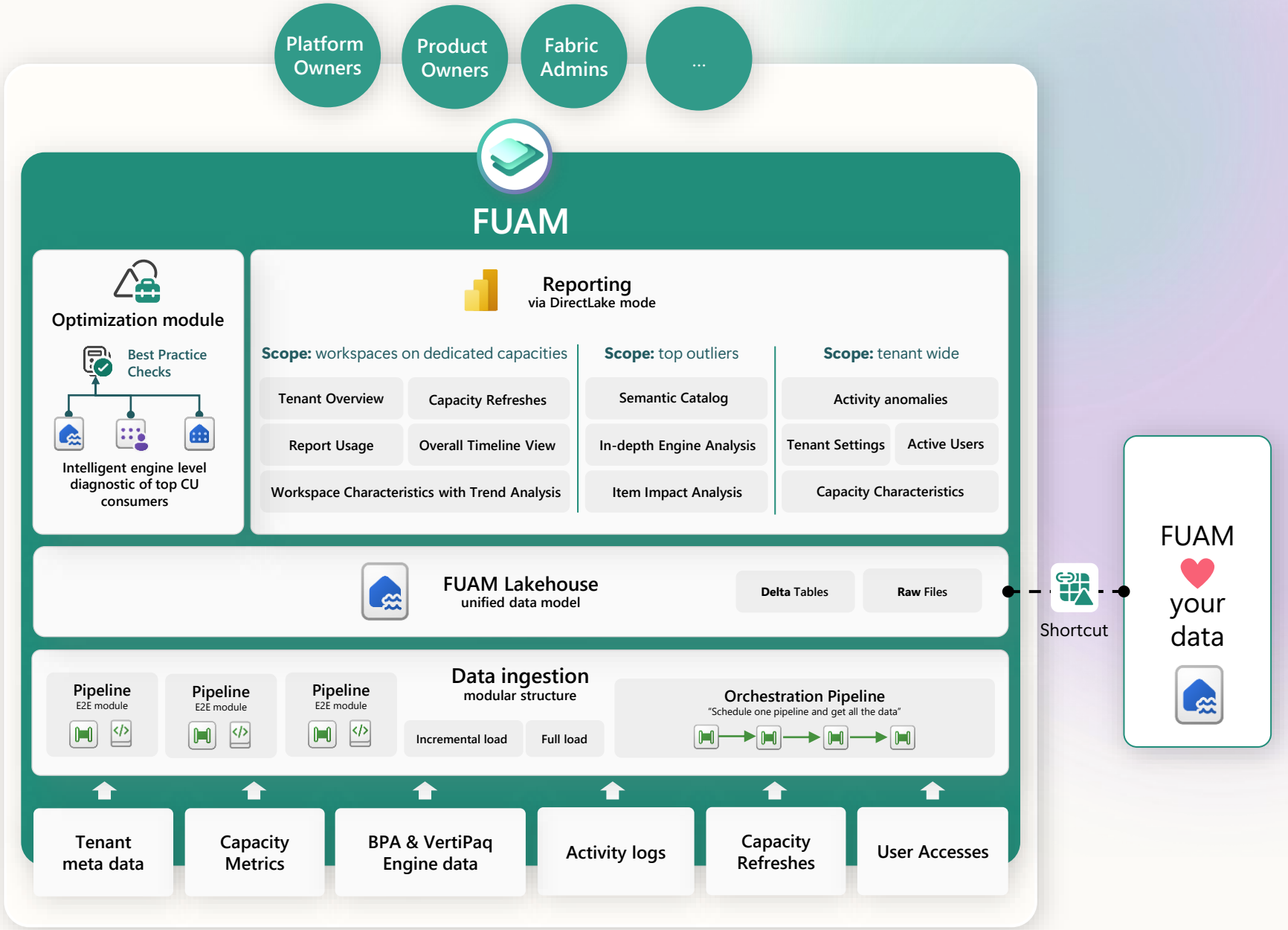
The world-class analytical engines in Microsoft Fabric provide advanced monitoring capabilities, which FUAM collects if needed.

FUAM | Architecture

Advanced analytics capabilities

Intelligent architecture

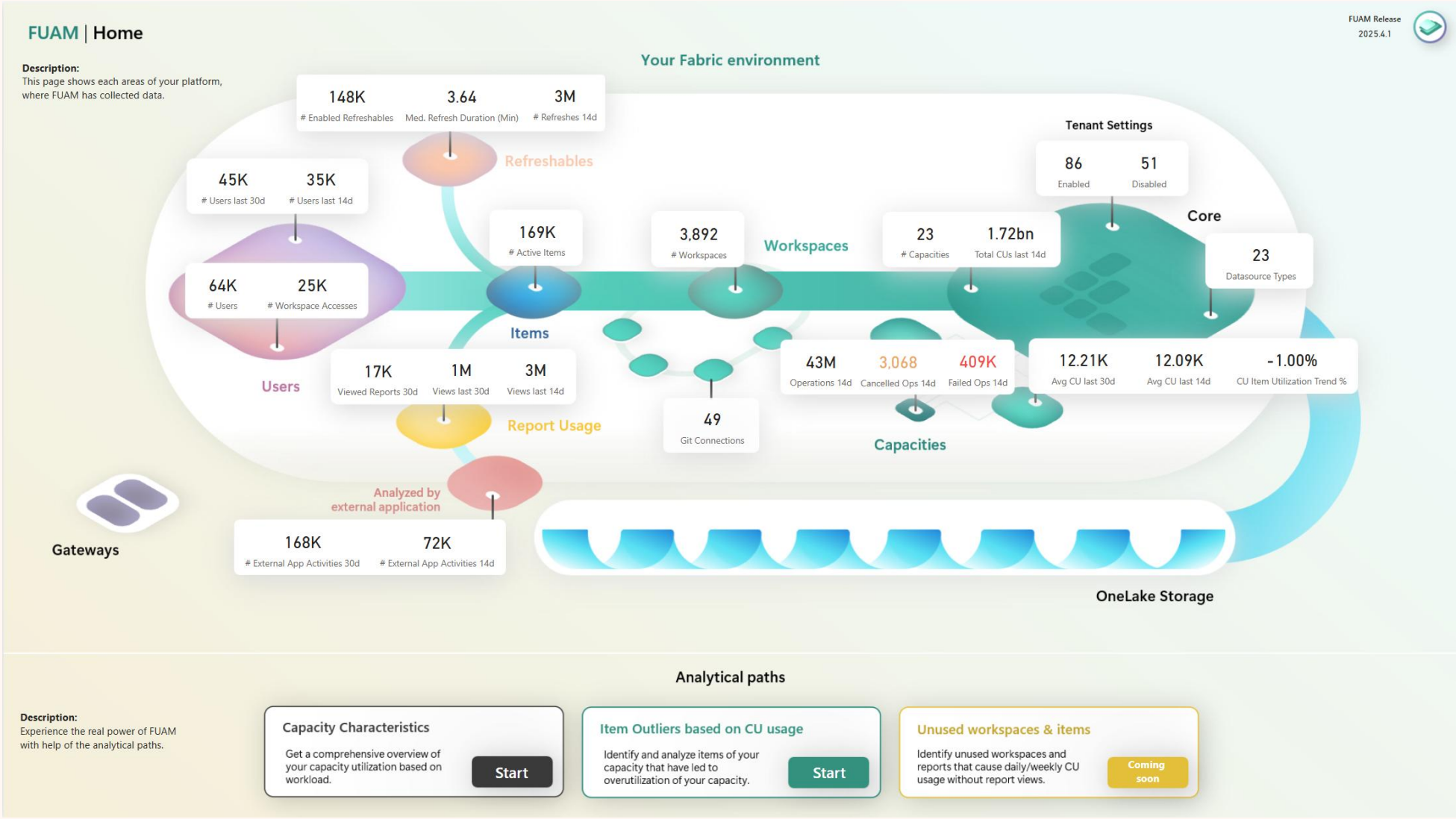
- **Modular** building blocks
- **One-source-of-truth** approach
- **End-to-end** report experience
- **Intelligent Optimization** module
- **Long term** CU utilization analysis
- **Bring your own data** & **connect** FUAM



Demo | FUAM

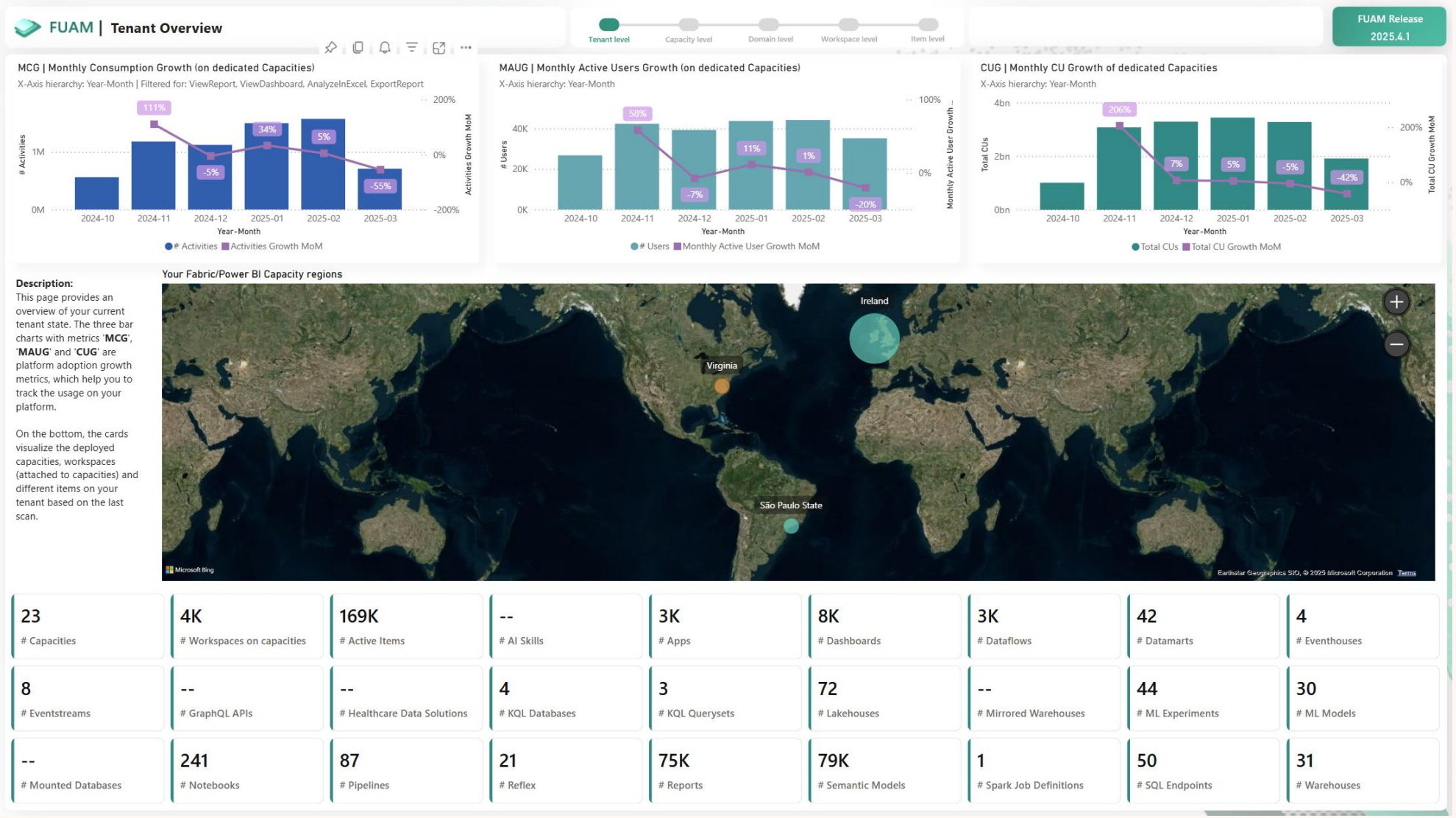


Demo | FUAM


FUAM | Home
FUAM Release
2025.4.1
Description:
This page shows each areas of your platform, where FUAM has collected data.
Your Fabric environment
148K
Enabled Refreshables
3.64
Med. Refresh Duration (Min)
3M
Refreshes 14d
Refreshables
45K
Users last 30d
35K
Users last 14d
64K
Users
25K
Workspace Accesses
Users
169K
Active Items
Items
3,892
Workspaces
Workspaces
Tenant Settings
86
Enabled
51
Disabled
Core
23
Capacities
1.72bn
Total CUs last 14d
23
Datasource Types
17K
Viewed Reports 30d
1M
Views last 30d
3M
Views last 14d
Report Usage
49
Git Connections
43M
Operations 14d
3,068
Cancelled Ops 14d
409K
Failed Ops 14d
Capacities
12.21K
Avg CU last 30d
12.09K
Avg CU last 14d
-1.00%
CU Item Utilization Trend %
Analyzed by external application
168K
External App Activities 30d
72K
External App Activities 14d
Gateways
OneLake Storage
Analytical paths
Description:
Experience the real power of FUAM with help of the analytical paths.
Capacity Characteristics
Get a comprehensive overview of your capacity utilization based on workload.
Start
Item Outliers based on CU usage
Identify and analyze items of your capacity that have led to overutilization of your capacity.
Start
Unused workspaces & items
Identify unused workspaces and reports that cause daily/weekly CU usage without report views.
Coming soon

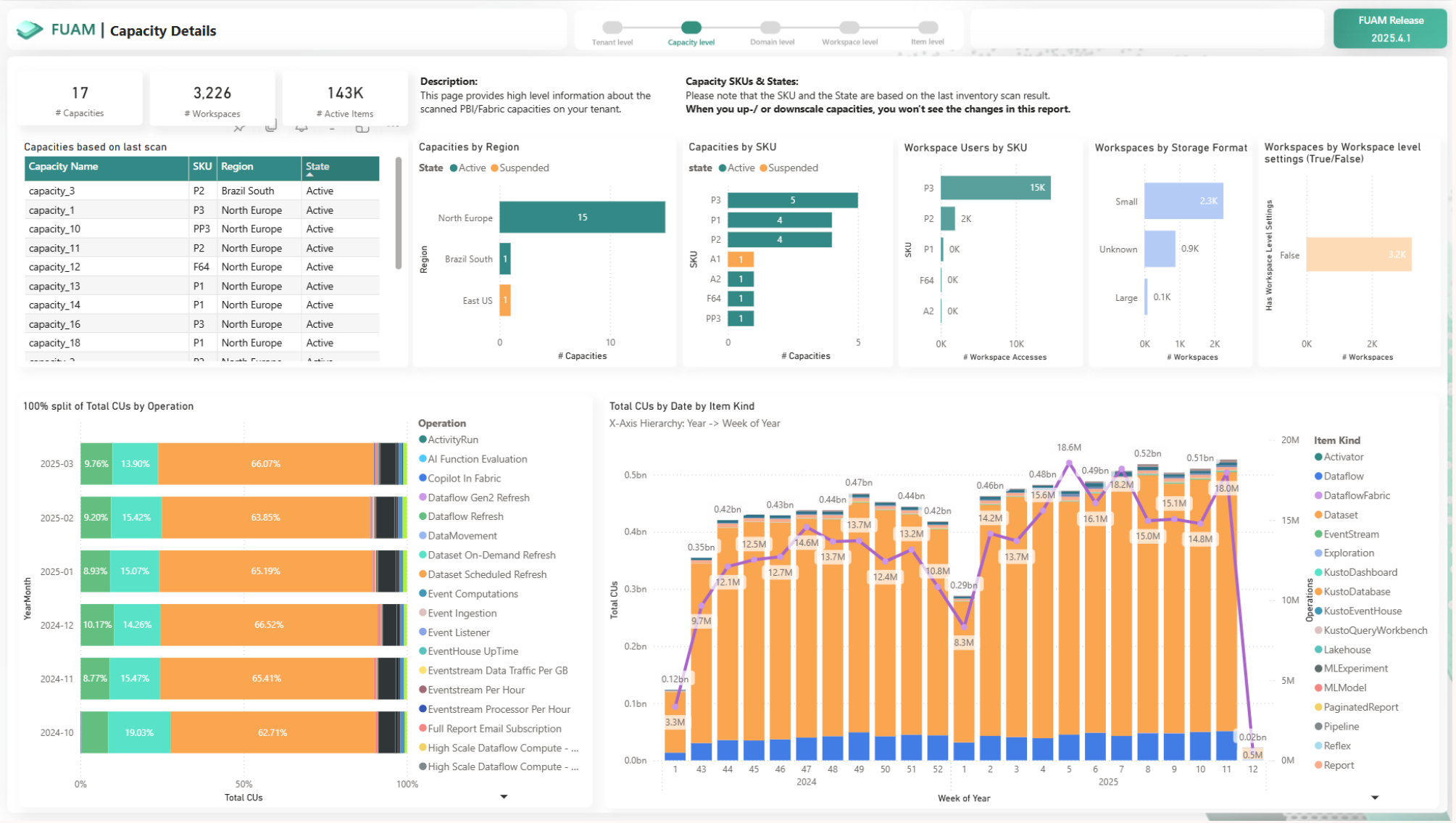


Demo | FUAM


FUAM | Tenant Overview
Tenant level
Capacity level
Domain level
Workspace level
Item level
FUAM Release 2025.4.1
MCG | Monthly Consumption Growth (on dedicated Capacities)
X-Axis hierarchy: Year-Month | Filtered for: ViewReport, ViewDashboard, AnalyzeInExcel, ExportReport
Activities
Activities Growth MoM
Year-Month
Activities
Activities Growth MoM
MAUG | Monthly Active Users Growth (on dedicated Capacities)
X-Axis hierarchy: Year-Month
Users
Monthly Active User Growth
Year-Month
Users
Monthly Active User Growth MoM
CUG | Monthly CU Growth of dedicated Capacities
X-Axis hierarchy: Year-Month
Total CUs
Total CU Growth MoM
Year-Month
Total CUs
Total CU Growth MoM
Description:
This page provides an overview of your current tenant state. The three bar charts with metrics 'MCG', 'MAUG' and 'CUG' are platform adoption growth metrics, which help you to track the usage on your platform.
On the bottom, the cards visualize the deployed capacities, workspaces (attached to capacities) and different items on your tenant based on the last scan.
Your Fabric/Power BI Capacity regions
Ireland
Virginia
São Paulo State
Microsoft Bing
23 # Capacities
4K # Workspaces on capacities
169K # Active Items
-- # AI Skills
3K # Apps
8K # Dashboards
3K # Dataflows
42 # Datamarts
4 # Eventhouses
8 # Eventstreams
-- # GraphQL APIs
-- # Healthcare Data Solutions
4 # KQL Databases
3 # KQL Querysets
72 # Lakehouses
-- # Mirrored Warehouses
44 # ML Experiments
30 # ML Models
-- # Mounted Databases
241 # Notebooks
87 # Pipelines
21 # Reflex
75K # Reports
79K # Semantic Models
1 # Spark Job Definitions
50 # SQL Endpoints
31 # Warehouses

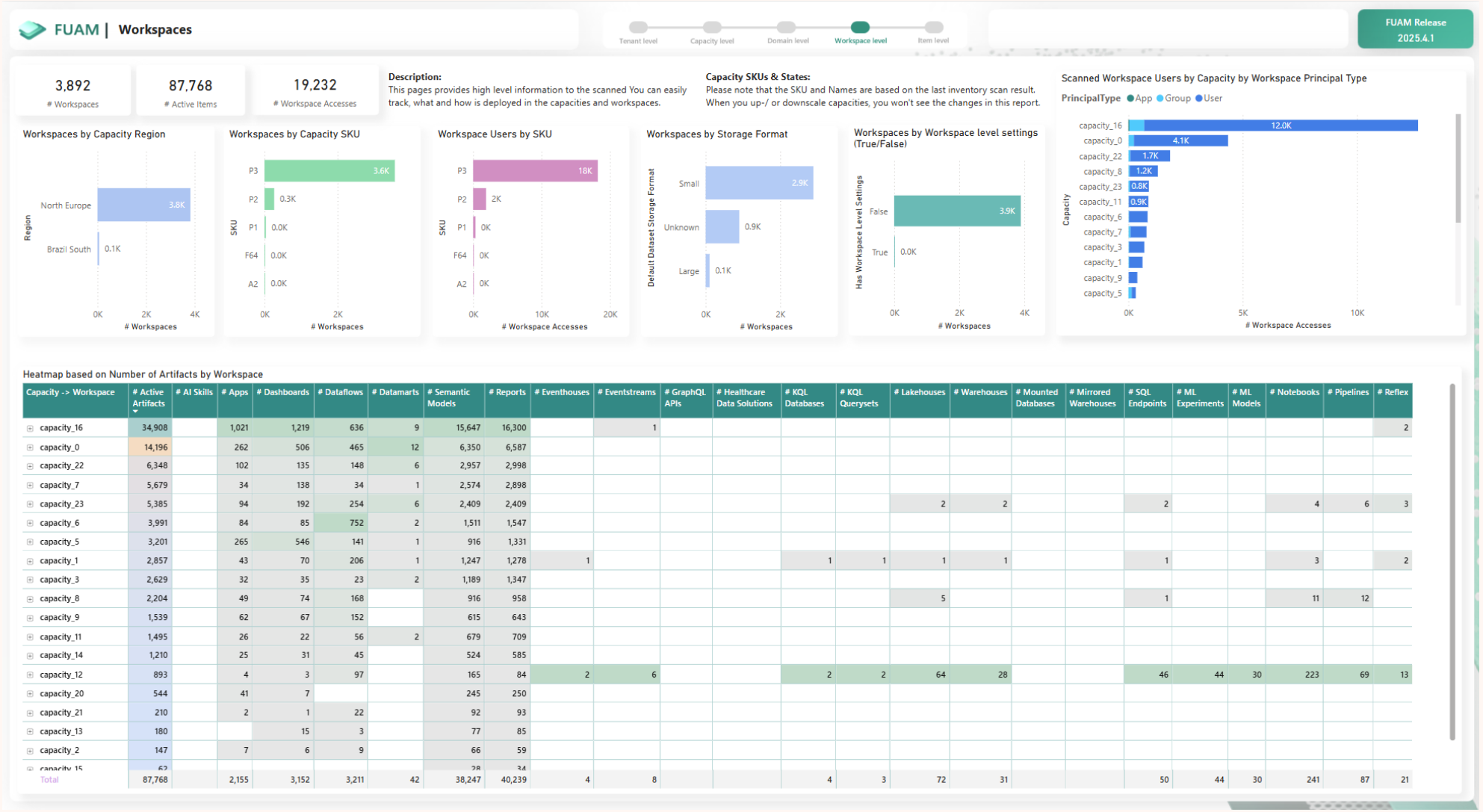


Demo | FUAM


FUAM | Capacity Details
Tenant level
Capacity level
Domain level
Workspace level
Item level
FUAM Release 2025.4.1
17
Capacities
3,226
Workspaces
143K
Active Items
Description:
This page provides high level information about the scanned PBI/Fabric capacities on your tenant.
Capacity SKUs & States:
Please note that the SKU and the State are based on the last inventory scan result.
When you up-/ or downscale capacities, you won't see the changes in this report.
Capacities based on last scan
Capacity Name | SKU | Region | State
capacity_3 | P2 | Brazil South | Active
capacity_1 | P3 | North Europe | Active
capacity_10 | PP3 | North Europe | Active
capacity_11 | P2 | North Europe | Active
capacity_12 | F64 | North Europe | Active
capacity_13 | P1 | North Europe | Active
capacity_14 | P1 | North Europe | Active
capacity_16 | P3 | North Europe | Active
capacity_18 | P1 | North Europe | Active
Capacities by Region
State Active Suspended
North Europe 15
Brazil South 1
East US 1
Region
Capacities
Capacities by SKU
state Active Suspended
P3 5
P1 4
P2 4
A1 1
A2 1
F64 1
PP3 1
SKU
Capacities
Workspace Users by SKU
P3 15K
P2 2K
P1 0K
F64 0K
A2 0K
SKU
Workspace Accesses
Workspaces by Storage Format
Small 2.3K
Unknown 0.9K
Large 0.1K
Workspaces
Workspaces by Workspace level settings (True/False)
False 3.2K
Has Workspace Level Settings
Workspaces
100% split of Total CUs by Operation
2025-03 9.76% 13.90% 66.07%
2025-02 9.20% 15.42% 63.85%
2025-01 8.93% 15.07% 65.19%
2024-12 10.17% 14.26% 66.52%
2024-11 8.77% 15.47% 65.41%
2024-10 19.03% 62.71%
YearMonth
Total CUs
Operation
ActivityRun
AI Function Evaluation
Copilot In Fabric
Dataflow Gen2 Refresh
Dataflow Refresh
DataMovement
Dataset On-Demand Refresh
Dataset Scheduled Refresh
Event Computations
Event Ingestion
Event Listener
EventHouse UpTime
Eventstream Data Traffic Per GB
Eventstream Per Hour
Eventstream Processor Per Hour
Full Report Email Subscription
High Scale Dataflow Compute - ...
High Scale Dataflow Compute - ...
Total CUs by Date by Item Kind
X-Axis Hierarchy: Year -> Week of Year
Total CUs
Operations
Week of Year
2024
2025
Item Kind
Activator
Dataflow
DataflowFabric
Dataset
EventStream
Exploration
KustoDashboard
KustoDatabase
KustoEventHouse
KustoQueryWorkbench
Lakehouse
MLExperiment
MLModel
PaginatedReport
Pipeline
Reflex
Report



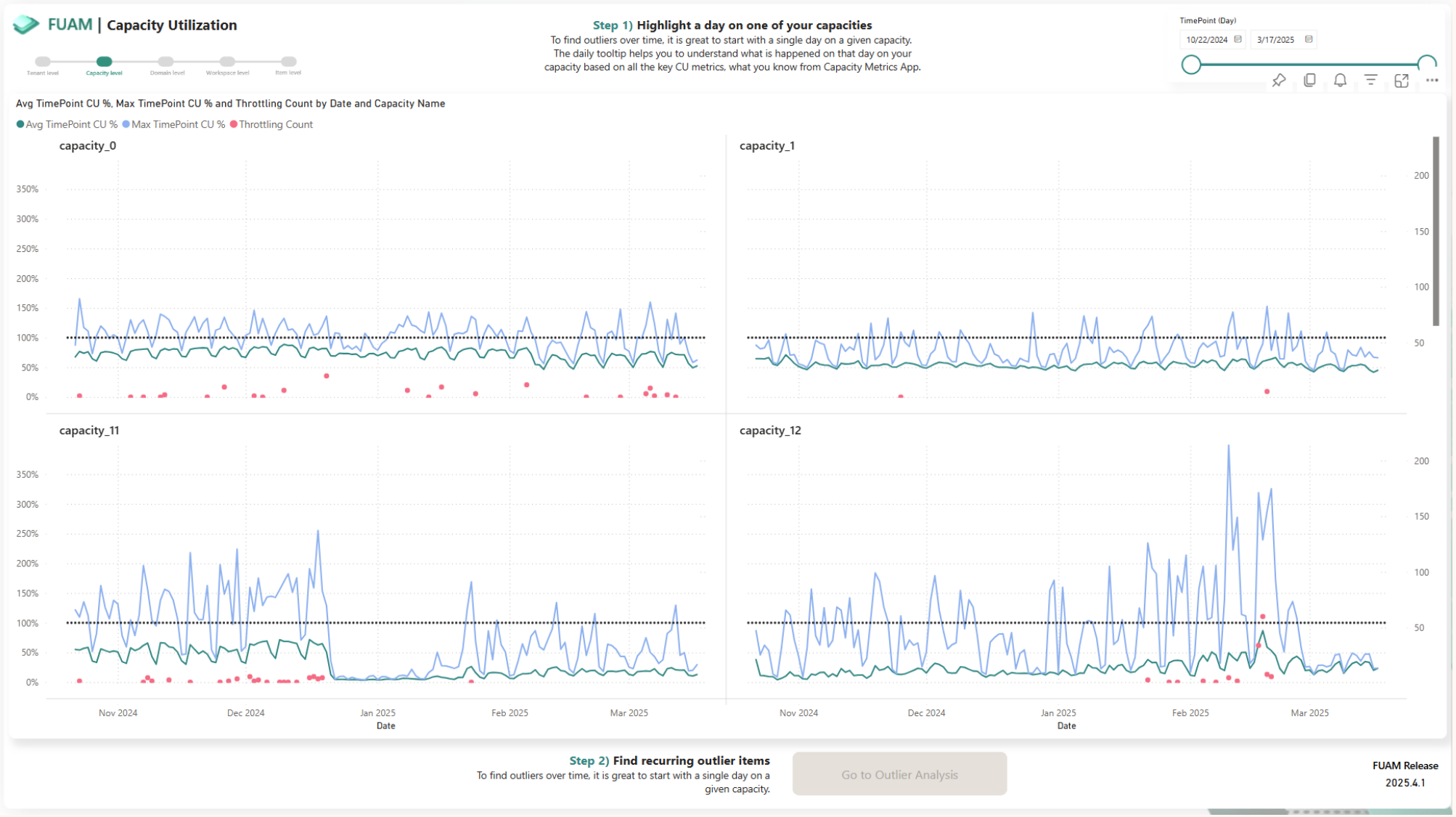
Demo | FUAM



Capacity -> Workspace	# Active Artifacts	# AI Skills	# Apps	# Dashboards	# Dataflows	# Datamarts	# Semantic Models	# Reports	# Eventhouses	# Eventstreams	# GraphQL APIs	# Healthcare Data Solutions	# KQL Databases	# KQL Querysets	# Lakehouses	# Warehouses	# Mounted Databases	# Mirrored Warehouses	# SQL Endpoints	# ML Experiments	# ML Models	# Notebooks	# Pipelines	# Reflex
capacity_16	34,908		1,021	1,219	636	9	15,647	16,300		1														2
capacity_0	14,196		262	506	465	12	6,350	6,587																
capacity_22	6,348		102	135	148	6	2,957	2,998																
capacity_7	5,679		34	138	34	1	2,574	2,898																
capacity_23	5,385		94	192	254	6	2,409	2,409							2	2			2			4	6	3
capacity_6	3,991		84	85	752	2	1,511	1,547																
capacity_5	3,201		265	546	141	1	916	1,331																
capacity_1	2,857		43	70	206	1	1,247	1,278	1				1	1	1	1			1			3		2
capacity_3	2,629		32	35	23	2	1,189	1,347																
capacity_8	2,204		49	74	168		916	958							5				1			11	12	
capacity_9	1,539		62	67	152		615	643																
capacity_11	1,495		26	22	56	2	679	709																
capacity_14	1,210		25	31	45		524	585																
capacity_12	893		4	3	97		165	84	2	6			2	2	64	28			46	44	30	223	69	13
capacity_20	544		41	7			245	250																
capacity_21	210		2	1	22		92	93																
capacity_13	180			15	3		77	85																
capacity_2	147		7	6	9		66	59																
capacity_15	62						28	34																
Total	87,768		2,155	3,152	3,211	42	38,247	40,239	4	8			4	3	72	31			50	44	30	241	87	21

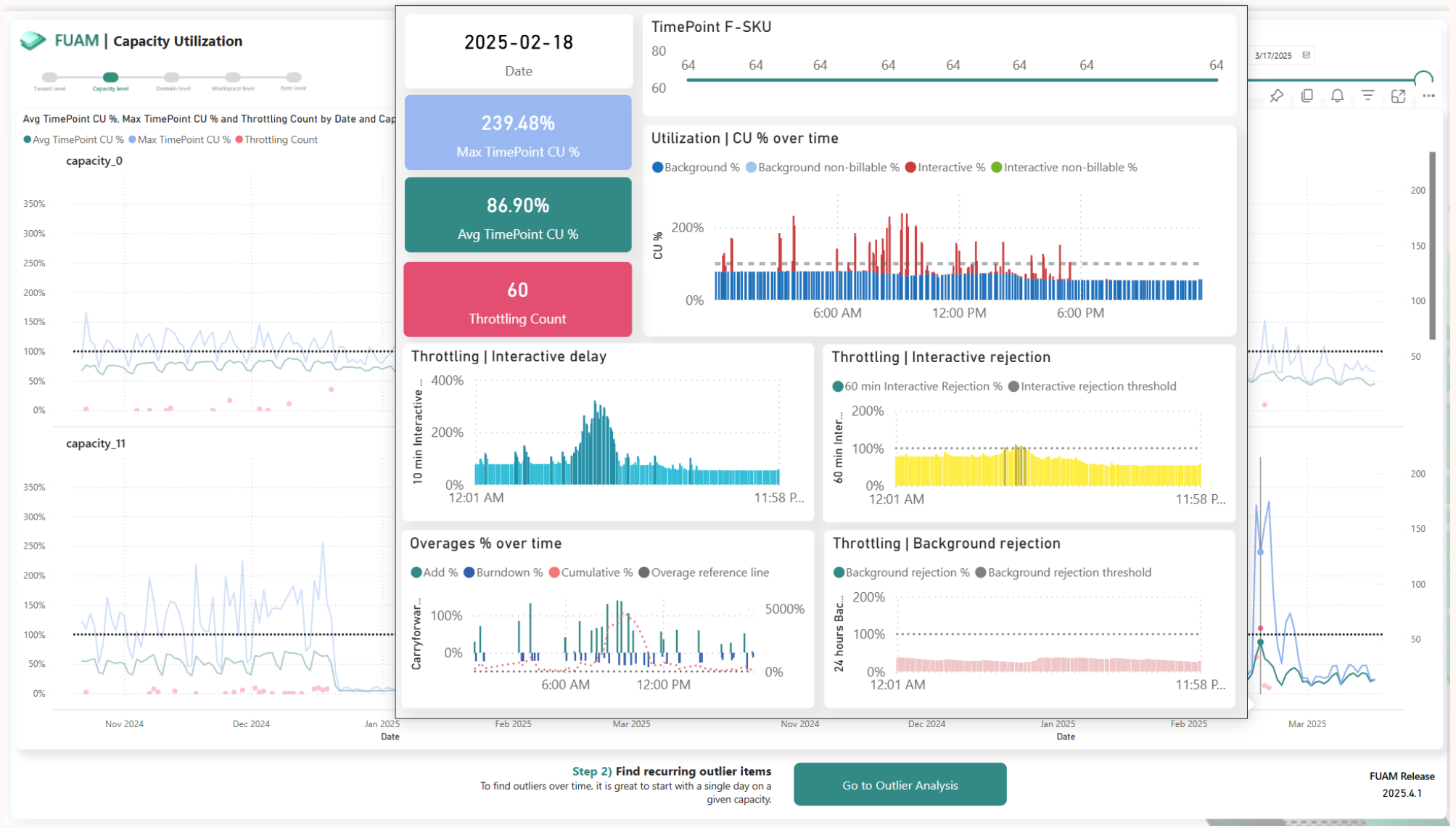


Demo | FUAM


FUAM | Capacity Utilization
Tenant level
Capacity level
Domain level
Workspace level
Item level
Step 1) Highlight a day on one of your capacities
To find outliers over time, it is great to start with a single day on a given capacity.
The daily tooltip helps you to understand what is happened on that day on your capacity based on all the key CU metrics, what you know from Capacity Metrics App.
TimePoint (Day)
10/22/2024
3/17/2025
Avg TimePoint CU %, Max TimePoint CU % and Throttling Count by Date and Capacity Name
Avg TimePoint CU %
Max TimePoint CU %
Throttling Count
capacity_0
capacity_1
capacity_11
capacity_12
350%
300%
250%
200%
150%
100%
50%
0%
200
150
100
50
Nov 2024
Dec 2024
Jan 2025
Feb 2025
Mar 2025
Date
Step 2) Find recurring outlier items
To find outliers over time, it is great to start with a single day on a given capacity.
Go to Outlier Analysis
FUAM Release
2025.4.1



Demo | FUAM


FUAM | Capacity Utilization
Tenant level
Capacity level
Domain level
Workspace level
Item level
Avg TimePoint CU %, Max TimePoint CU % and Throttling Count by Date and Cap
Avg TimePoint CU %
Max TimePoint CU %
Throttling Count
capacity_0
capacity_11
350%
300%
250%
200%
150%
100%
50%
0%
Nov 2024
Dec 2024
Jan 2025
Feb 2025
Mar 2025
Date
2025-02-18
Date
239.48%
Max TimePoint CU %
86.90%
Avg TimePoint CU %
60
Throttling Count
TimePoint F-SKU
80
64
60
Utilization | CU % over time
Background %
Background non-billable %
Interactive %
Interactive non-billable %
CU %
200%
0%
6:00 AM
12:00 PM
6:00 PM
Throttling | Interactive delay
10 min Interactive ...
400%
200%
0%
12:01 AM
11:58 P...
Throttling | Interactive rejection
60 min Interactive Rejection %
Interactive rejection threshold
60 min Inter...
200%
100%
0%
12:01 AM
11:58 P...
Overages % over time
Add %
Burndown %
Cumulative %
Overage reference line
Carryforwar...
100%
0%
5000%
0%
6:00 AM
12:00 PM
Throttling | Background rejection
Background rejection %
Background rejection threshold
24 hours Bac...
200%
100%
0%
12:01 AM
11:58 P...
3/17/2025
200
150
100
50
Step 2) Find recurring outlier items
To find outliers over time, it is great to start with a single day on a given capacity.
Go to Outlier Analysis
FUAM Release
2025.4.1



Demo | FUAM

FUAM | Item Outlier Analysis

Tenant level · Capacity level · Domain level · Workspace level · Item level

capacity_12	2025-02-18	239.48%	86.90%	60
Selected Capacity	Selected Date	Max TimePoint CU %	Avg TimePoint CU %	Throttling Count

Item Outlier Analysis

Date	Workspace Name	Item Kind	Item Name	Total CUs	Daily CU vs 14d Avg CU	Outlier Factor
2025-02-18	workspace_263	Warehouse	item_8590026700	970,856.27	883,291.40	
2025-02-18	workspace_263	Lakehouse	item_8589934933	179,372.90	142,806.60	
2025-02-18	workspace_1435	Lakehouse	item_8590026618	6,364.84	4,983.30	
2025-02-18	workspace_1435	SynapseNotebook	notebook_8	832.31	446.38	
2025-02-18	workspace_264	SynapseNotebook	notebook_50	22,832.55	9,485.31	
2025-02-18	workspace_269	Lakehouse	item_8590090444	501.46	194.01	
2025-02-18	workspace_1435	SynapseNotebook	notebook_12	848.13	320.43	
2025-02-18	workspace_269	Warehouse	item_8590090451	637.04	227.90	
2025-02-18	workspace_1435	Dataset	SemanticModel_13011	7.02	2.19	
2025-02-18	workspace_269	Warehouse	item_8590026673	753.42	231.30	
2025-02-18	workspace_264	Lakehouse	item_8590026720	1,087.73	320.53	
2025-02-18	workspace_1435	SynapseNotebook	notebook_13	525.61	147.48	
2025-02-18	workspace_1435	Pipeline	pipeline_48	502.56	140.27	
2025-02-18	workspace_1435	SynapseNotebook	notebook_84	607.06	162.87	
2025-02-18	workspace_1435	SynapseNotebook	notebook_9	606.70	161.65	
2025-02-18	workspace_269	Warehouse	item_8590026708	9,719.00	2,562.51	
2025-02-18	workspace_1433	Dataset	SemanticModel_13294	836.00	218.00	
2025-02-18	workspace_1487	Dataset	item_8589955714	167.04	41.19	

Step 3) Check recurring outlier items
In this step, take a look on the table.
Red marked items are items which have a 'bad-actor' behavior in the last 14 days.

Daily CU vs 14d Avg CU
This metric matches the total daily Average CU with the daily average CU for the last 14 days of the given item.
FUAM uses it to visualize whenever the item is using more CU in the last 14 days as in its entire lifecycle.

Outlier Factor
Every F-SKU and every workload has its own character. The Total CU and the percentage of the capacity utilization, are key metrics, however it doesn't represents if an item is an outlier. For that reason, FUAM calculates a Outlier Factor based on standard variance.

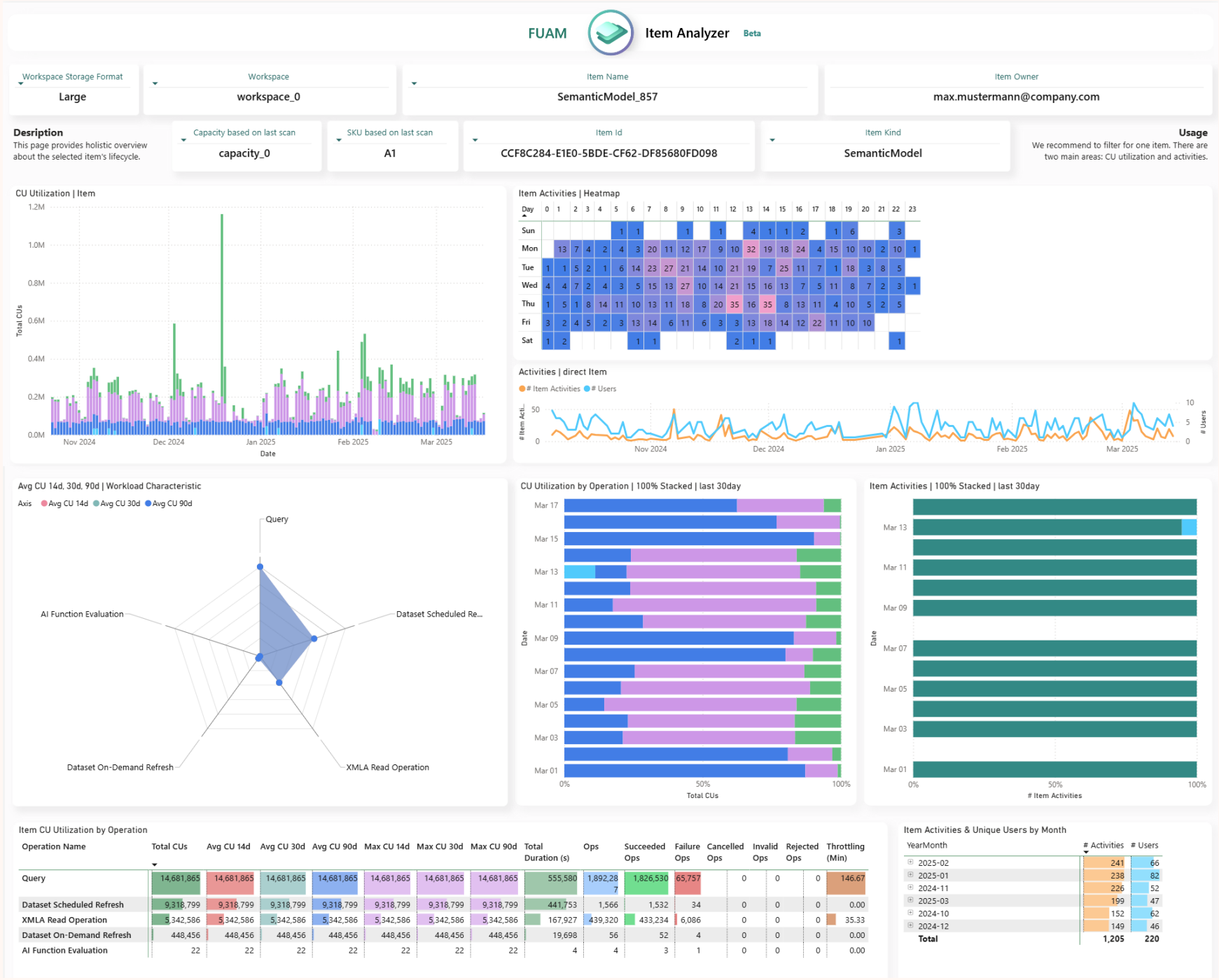
The more filled the dice symbol is, the higher the outlier factor. We recommend analyzing such items in the next steps.

Step 4) Select an item and continue with in-depth analysis
FUAM's item analyzer provides you a unique holistic view about the selected item.

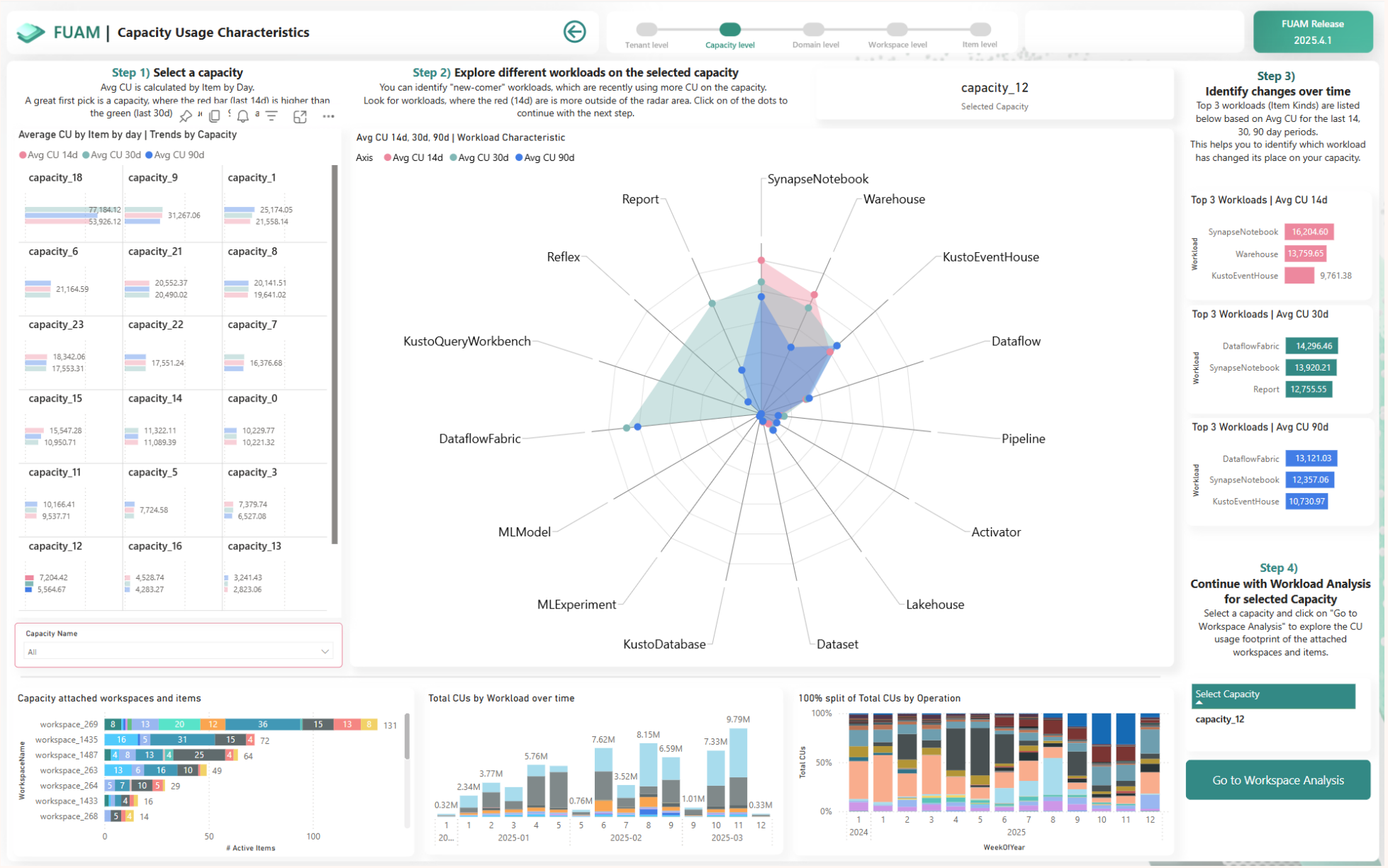
Go to Item Analyzer



Demo | FUAM


FUAM
Item Analyzer
Beta
Workspace Storage Format
Large
Workspace
workspace_0
Item Name
SemanticModel_857
Item Owner
max.mustermann@company.com
Desription
This page provides holistic overview about the selected item's lifecycle.
Capacity based on last scan
capacity_0
SKU based on last scan
A1
Item Id
CCF8C284-E1E0-5BDE-CF62-DF85680FD098
Item Kind
SemanticModel
Usage
We recommend to filter for one item. There are two main areas: CU utilization and activities.
CU Utilization | Item
Total CUs
Date
Item Activities | Heatmap
Day
Sun
Mon
Tue
Wed
Thu
Fri
Sat
Activities | direct Item
Item Activities
Users
Avg CU 14d, 30d, 90d | Workload Characteristic
Axis
Avg CU 14d
Avg CU 30d
Avg CU 90d
Query
Dataset Scheduled Re...
XMLA Read Operation
Dataset On-Demand Refresh
AI Function Evaluation
CU Utilization by Operation | 100% Stacked | last 30day
Total CUs
Item Activities | 100% Stacked | last 30day
Item Activities
Item CU Utilization by Operation
Operation Name
Total CUs
Avg CU 14d
Avg CU 30d
Avg CU 90d
Max CU 14d
Max CU 30d
Max CU 90d
Total Duration (s)
Ops
Succeeded Ops
Failure Ops
Cancelled Ops
Invalid Ops
Rejected Ops
Throttling (Min)
Query 14,681,865 14,681,865 14,681,865 14,681,865 14,681,865 14,681,865 14,681,865 555,580 1,892,287 1,826,530 65,757 0 0 0 146.67
Dataset Scheduled Refresh 9,318,799 9,318,799 9,318,799 9,318,799 9,318,799 9,318,799 9,318,799 441,753 1,566 1,532 34 0 0 0 0.00
XMLA Read Operation 5,342,586 5,342,586 5,342,586 5,342,586 5,342,586 5,342,586 5,342,586 167,927 439,320 433,234 6,086 0 0 0 35.33
Dataset On-Demand Refresh 448,456 448,456 448,456 448,456 448,456 448,456 448,456 19,698 56 52 4 0 0 0 0.00
AI Function Evaluation 22 22 22 22 22 22 22 4 4 3 1 0 0 0 0.00
Item Activities & Unique Users by Month
YearMonth
Activities
Users
2025-02 241 66
2025-01 238 82
2024-11 226 52
2025-03 199 47
2024-10 152 62
2024-12 149 46
Total 1,205 220

Demo | FUAM


FUAM | Capacity Usage Characteristics
Tenant level
Capacity level
Domain level
Workspace level
Item level
FUAM Release
2025.4.1
Step 1) Select a capacity
Avg CU is calculated by Item by Day.
A great first pick is a capacity, where the red bar (last 14d) is higher than the green (last 30d)
Average CU by Item by day | Trends by Capacity
Avg CU 14d
Avg CU 30d
Avg CU 90d
capacity_18
77,184.12
53,926.12
capacity_9
31,267.06
capacity_1
25,174.05
21,558.14
capacity_6
21,164.59
capacity_21
20,552.37
20,490.02
capacity_8
20,141.51
19,641.02
capacity_23
18,342.06
17,553.31
capacity_22
17,551.24
capacity_7
16,376.68
capacity_15
15,547.28
10,950.71
capacity_14
11,322.11
11,089.39
capacity_0
10,229.77
10,221.32
capacity_11
10,166.41
9,537.71
capacity_5
7,724.58
capacity_3
7,379.74
6,527.08
capacity_12
7,204.42
5,564.67
capacity_16
4,528.74
4,283.27
capacity_13
3,241.43
2,823.06
Capacity Name
All
Step 2) Explore different workloads on the selected capacity
You can identify "new-comer" workloads, which are recently using more CU on the capacity.
Look for workloads, where the red (14d) are is more outside of the radar area. Click on of the dots to continue with the next step.
capacity_12
Selected Capacity
Avg CU 14d, 30d, 90d | Workload Characteristic
Axis
Avg CU 14d
Avg CU 30d
Avg CU 90d
SynapseNotebook
Warehouse
KustoEventHouse
Dataflow
Pipeline
Activator
Lakehouse
Dataset
KustoDatabase
MLExperiment
MLModel
DataflowFabric
KustoQueryWorkbench
Reflex
Report
Step 3)
Identify changes over time
Top 3 workloads (Item Kinds) are listed below based on Avg CU for the last 14, 30, 90 day periods.
This helps you to identify which workload has changed its place on your capacity.
Top 3 Workloads | Avg CU 14d
Workload
SynapseNotebook
16,204.60
Warehouse
13,759.65
KustoEventHouse
9,761.38
Top 3 Workloads | Avg CU 30d
Workload
DataflowFabric
14,296.46
SynapseNotebook
13,920.21
Report
12,755.55
Top 3 Workloads | Avg CU 90d
Workload
DataflowFabric
13,121.03
SynapseNotebook
12,357.06
KustoEventHouse
10,730.97
Step 4)
Continue with Workload Analysis for selected Capacity
Select a capacity and click on "Go to Workspace Analysis" to explore the CU usage footprint of the attached workspaces and items.
Select Capacity
capacity_12
Go to Workspace Analysis
Capacity attached workspaces and items
WorkspaceName
workspace_269
workspace_1435
workspace_1487
workspace_263
workspace_264
workspace_1433
workspace_268
Active Items
Total CUs by Workload over time
2025-01
2025-02
2025-03
100% split of Total CUs by Operation
Total CUs
WeekOfYear
2024
2025



Demo | FUAM

FUAM | Capacity Usage Characteristic | Workspace Analysis

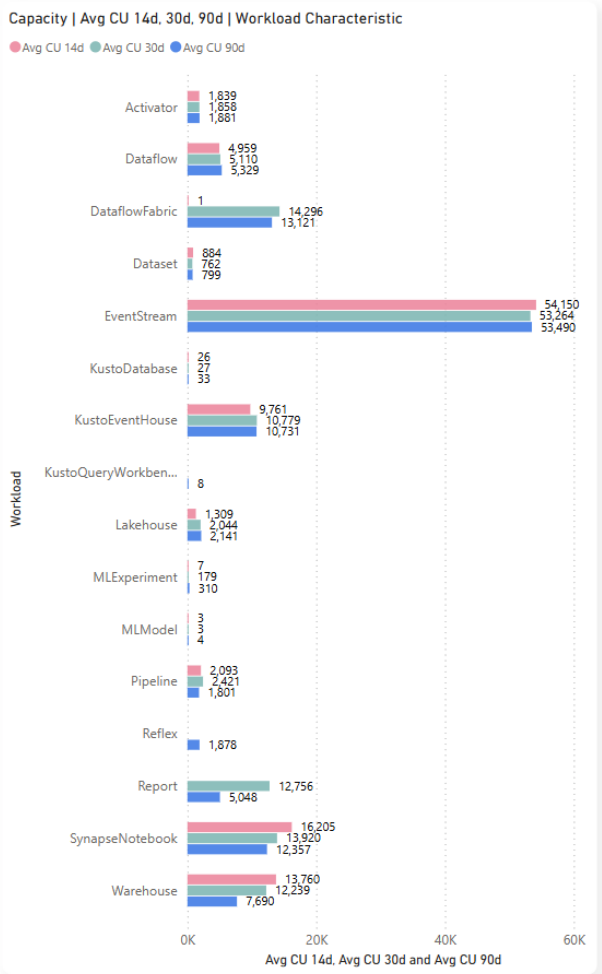
Tenant level · Capacity level · Domain level · Workspace level · Item level

FUAM Release 2025.4.1

Step 5)

Let's understand CU footprint of workloads on the capacity

Continue to explore the CU footprint (Avg CU by Item by Day) by workload.



Step 6) Explore workpace and item CU characteristics

In this step, you can understand, which workspace and which item had a large CU footprint on the selected capacity. To start the item deep dive analysis, you can click on the link on item level.
Please note that the 'Item Analyzer' supports every workload. The 'Semantic Model Analyzer' provides you much more details for semantic models in combination of FUAM's optimization modules.

capacity_12	F64	20	893	63,698	89
Selected Capacity	SKU based on last scan	# Workspaces	Active Items	# Users (based on Activities)	# W

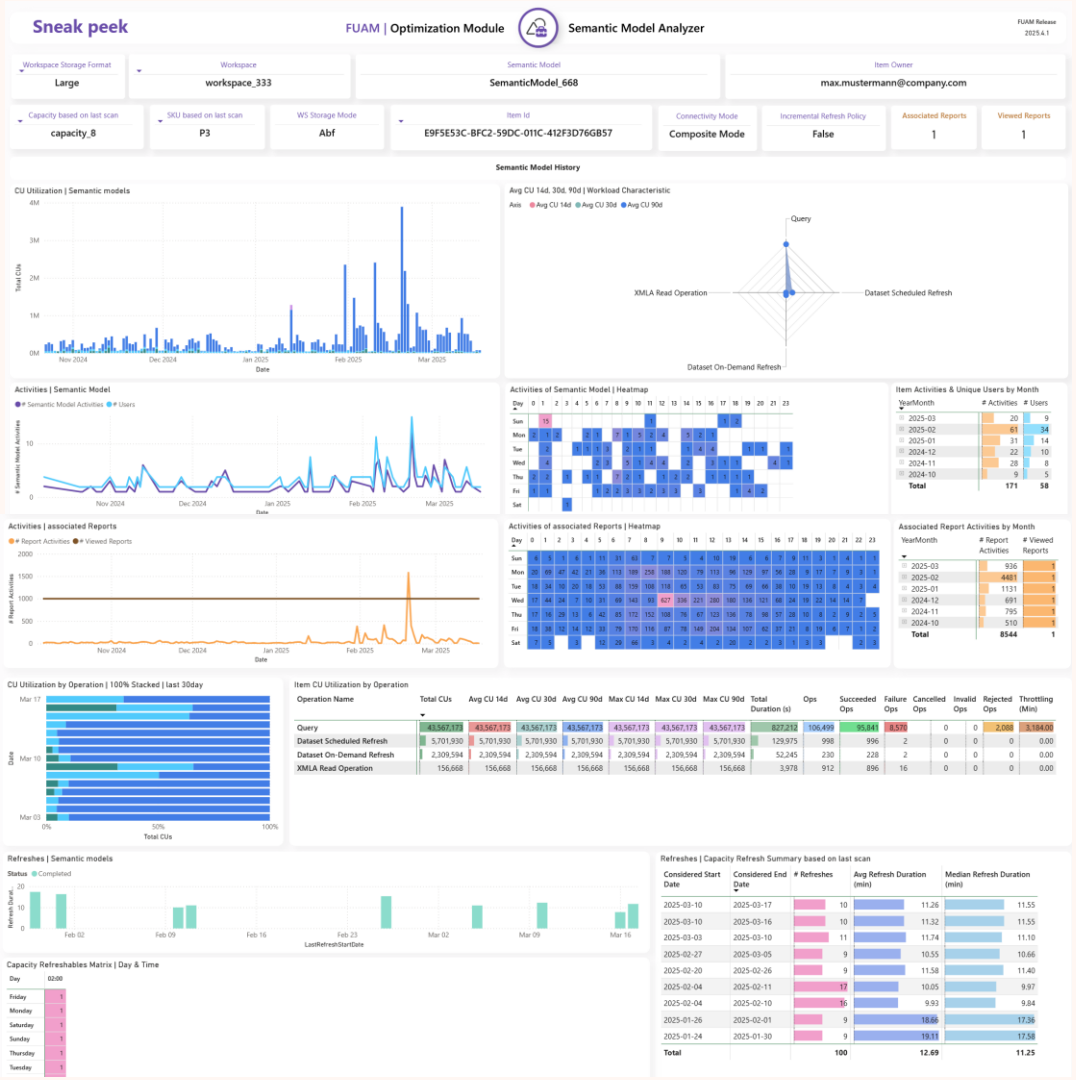
Workspace & Item Details

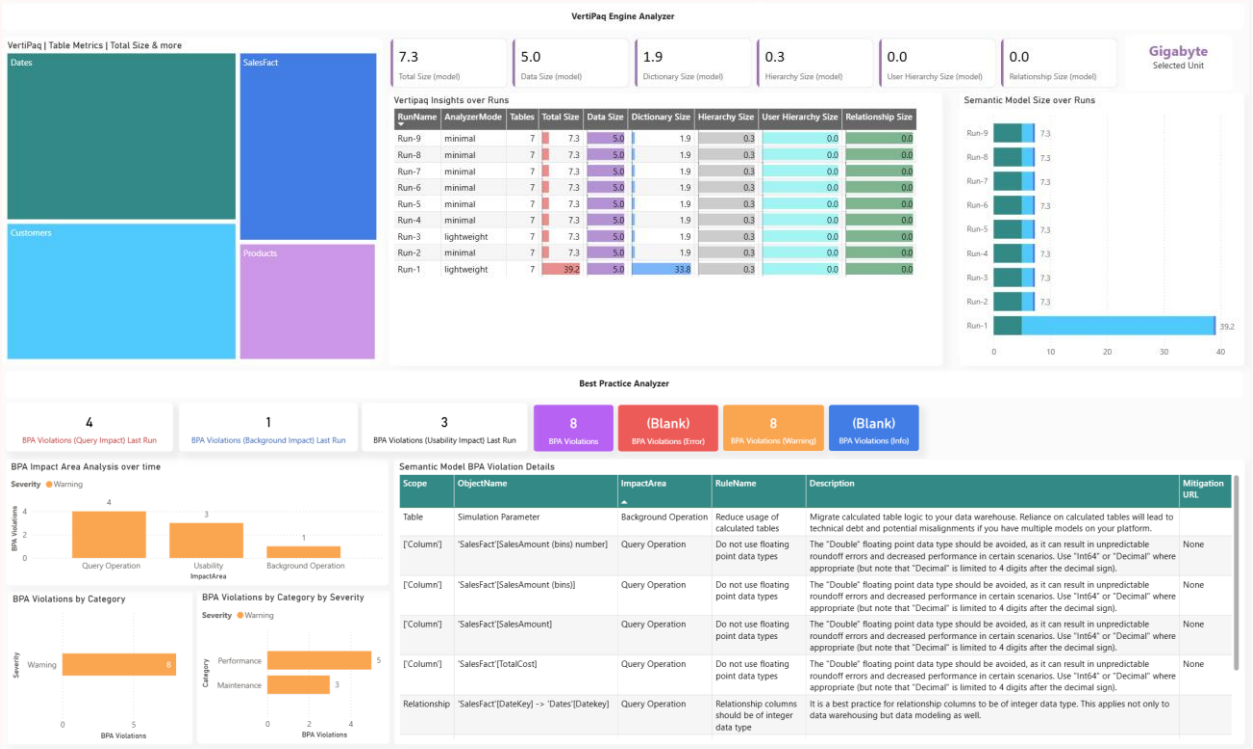
Matrix Hierarchy: Workspace -> Workload -> Item

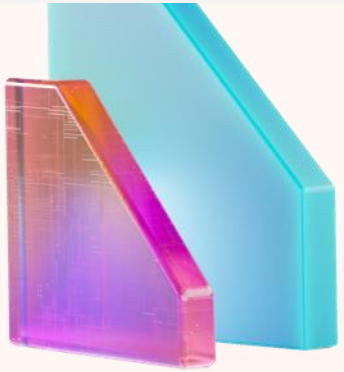
Workspace Name	Avg CU 14d	Avg CU 30d	Avg CU 90d	Max CU 14d	Max CU 30d	Max CU 90d	Item Analyzer Link	Semantic Model Analyzer Link	Workspace Monitoring Link
workspace_219	38,916.38	36,269.38	32,634.56	220,369	220,369	220,369.04			
workspace_263	27,125.04	28,565.37	29,000.71	1,646,772	1,649,609	1,649,609.43			
workspace_269	8,203.02	7,718.57	7,886.68	223,846	248,775	291,478.25			
workspace_1433	3,264.75	3,384.59	3,604.31	25,134	27,256	27,357.26			
workspace_1486	2,471.86	2,126.77	2,843.19	51,831	51,831	51,830.81			
workspace_264	2,209.97	2,209.87	1,977.84	16,652	22,833	22,832.55			
workspace_1435	2,174.59	1,912.36	1,880.33	285,280	285,280	285,280.18			
workspace_1487	523.41	503.31	3,010.29	43,396	43,396	153,872.40			
workspace_265	442.48	434.85	445.99	1,932	1,945	3,889.44			
workspace_267	19.59	20.59	39.90	25	33	79.55			
workspace_213	18.94	19.31	28.76	36	50	112.08			
workspace_262	8.82	6,309.80	5,053.55	9	25,199	25,198.60			
workspace_268	3.49	3.71	11.11	24	24	2,509.79			
workspace_260	1.12	1.13	1,794.88	2	2	109,292.43			
workspace_234	0.32	0.32	0.60	0	0	0.71			
workspace_259		0.49	0.49		0	0.49			
workspace_266									
Total	**8,339.29**	**7,870.79**	**6,415.78**	**1,646,772**	**1,649,609**	**1,649,609.43**			



Demo | FUAM


Sneak peek
FUAM | Optimization Module
Semantic Model Analyzer
Large
workspace_333
SemanticModel_668
max.mustermann@company.com
capacity_8
P3
Abf
E9F5E53C-BFC2-59DC-011C-412F3D76GB57
Composite Mode
False
1
1
Semantic Model History
CU Utilization | Semantic models
Avg CU 14d, 30d, 90d | Workload Characteristic
Query
XMLA Read Operation
Dataset Scheduled Refresh
Dataset On-Demand Refresh
Activities | Semantic Model
Activities of Semantic Model | Heatmap
Item Activities & Unique Users by Month
Activities | associated Reports
Activities of associated Reports | Heatmap
Associated Report Activities by Month
CU Utilization by Operation | 100% Stacked | last 30day
Item CU Utilization by Operation
Refreshes | Semantic models
Refreshes | Capacity Refresh Summary based on last scan
Capacity Refreshables Matrix | Day & Time


VertiPaq Engine Analyzer
VertiPaq | Table Metrics | Total Size & more
Dates
SalesFact
Customers
Products
7.3
5.0
1.9
0.3
0.0
0.0
Gigabyte
Vertipaq Insights over Runs
Semantic Model Size over Runs
Best Practice Analyzer
4
1
3
8
(Blank)
8
(Blank)
BPA Impact Area Analysis over time
Semantic Model BPA Violation Details
BPA Violations by Category
BPA Violations by Category by Severity

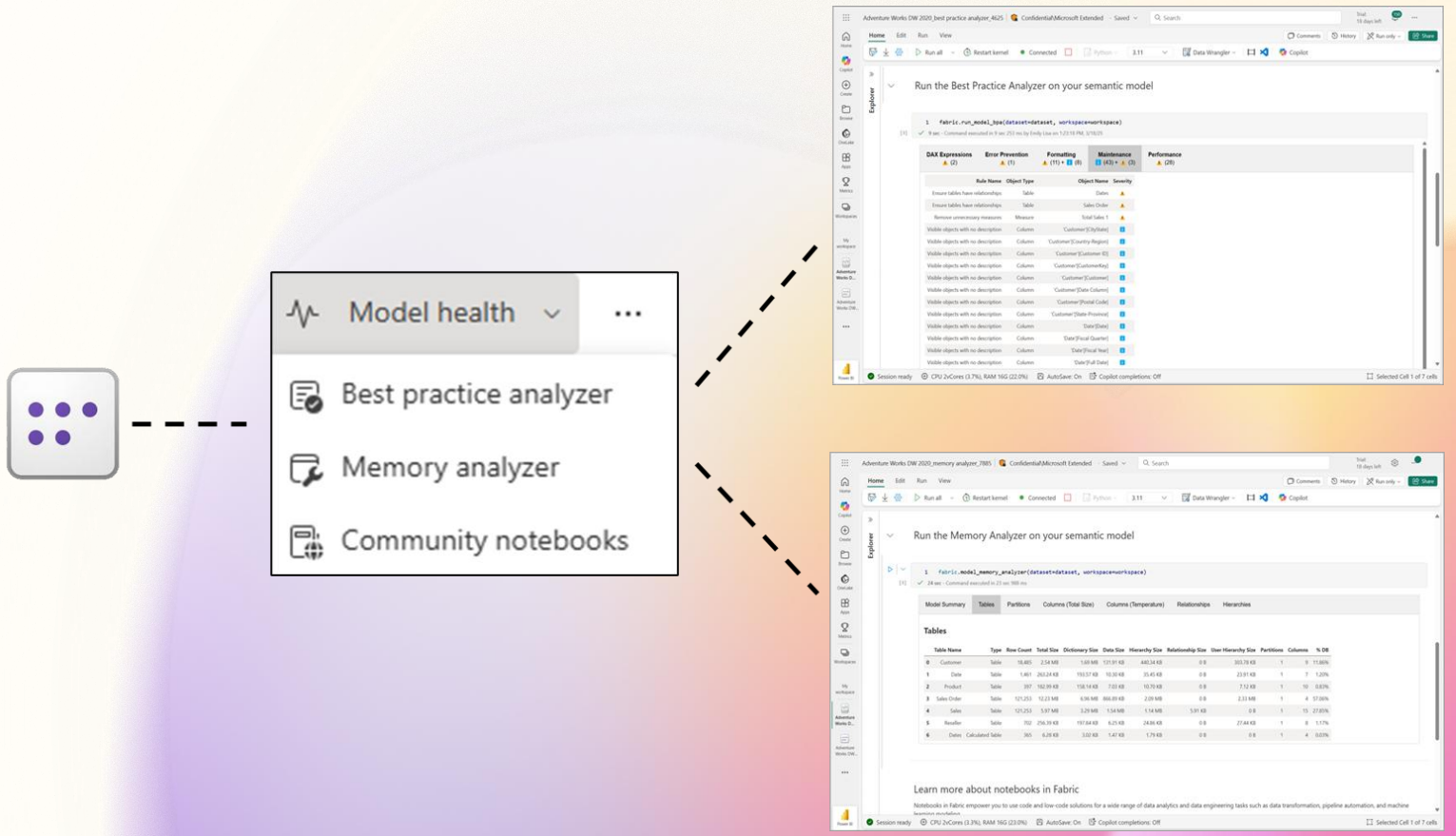


New Feature | Optimization Module for Semantic Models

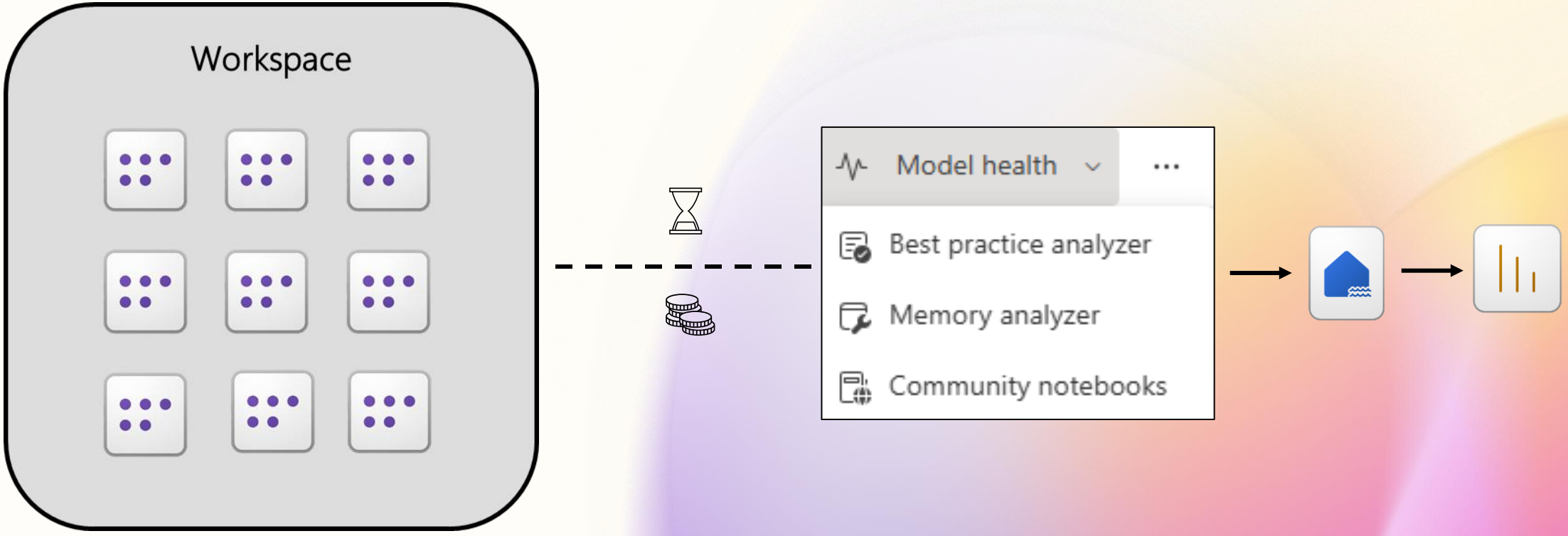


Optimization Module – Deep Dive

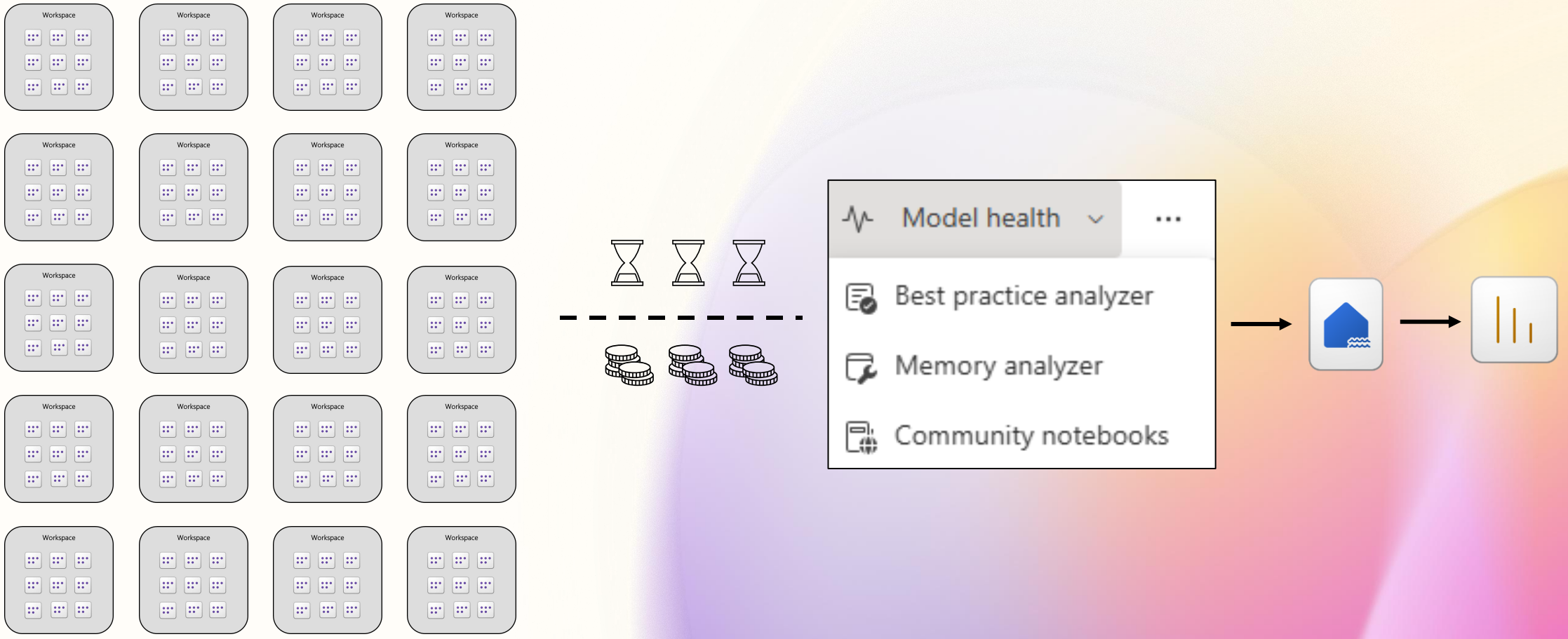
- Tools for SM Analysis:
  - Best practice analyzer
  - Memory Analyzer
- Scope:
  - Single Semantic Model
  - No History
  - Development/Debugging



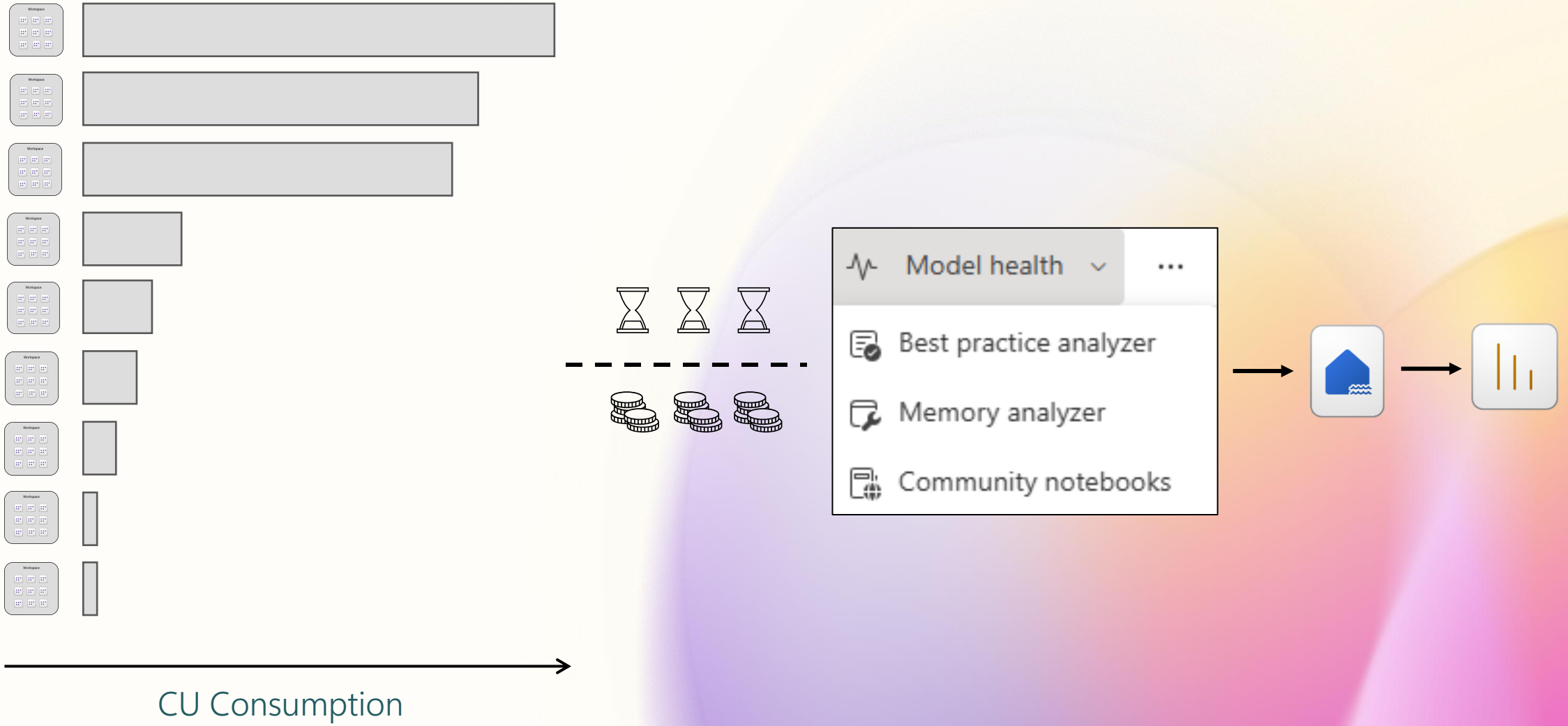
Optimization Module – Deep Dive



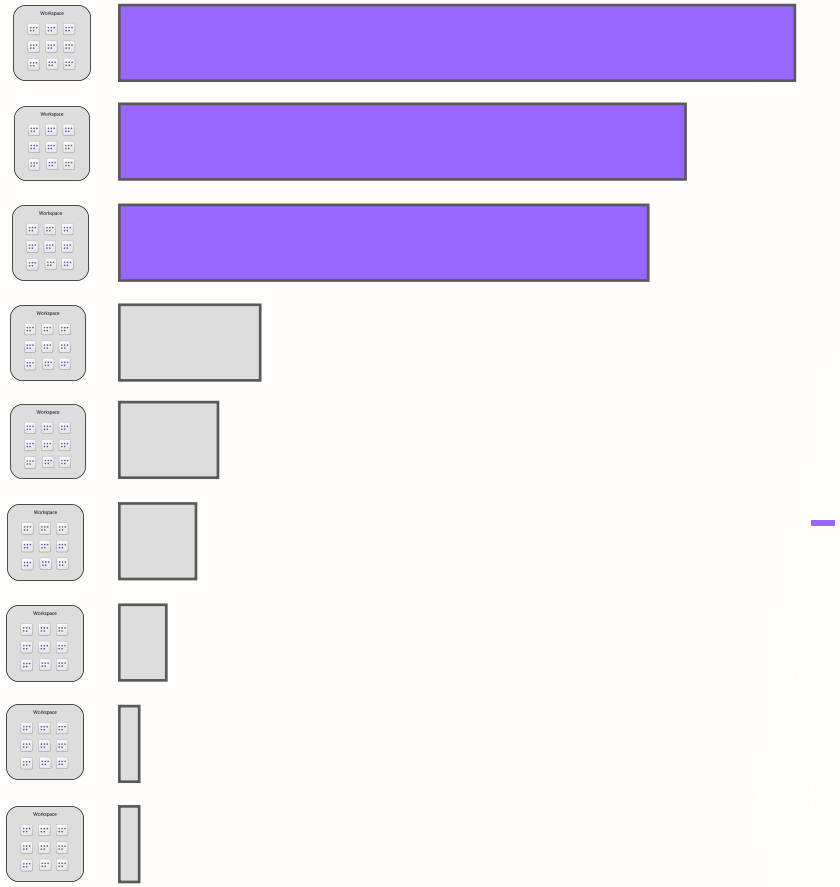
Optimization Module – Deep Dive



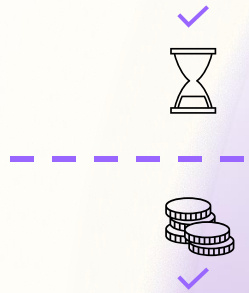
Optimization Module – Deep Dive

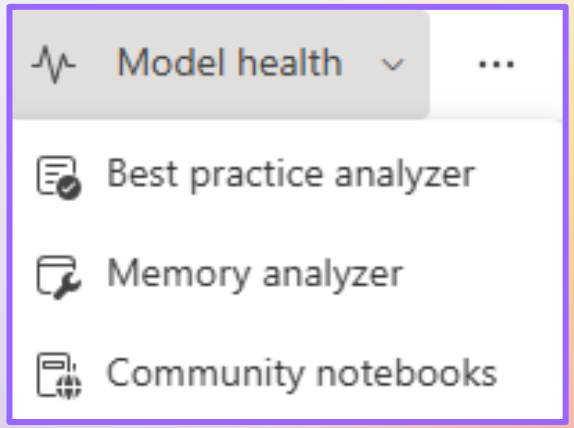


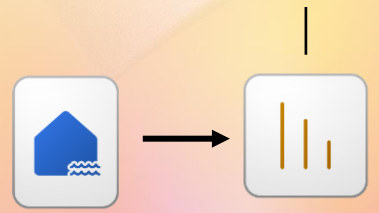
Optimization Module – Deep Dive

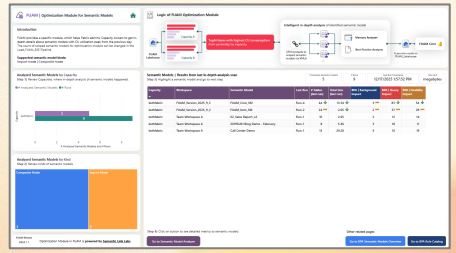


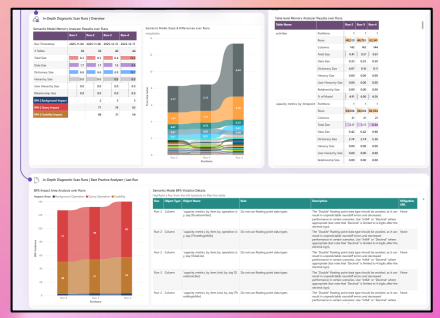
CU Consumption



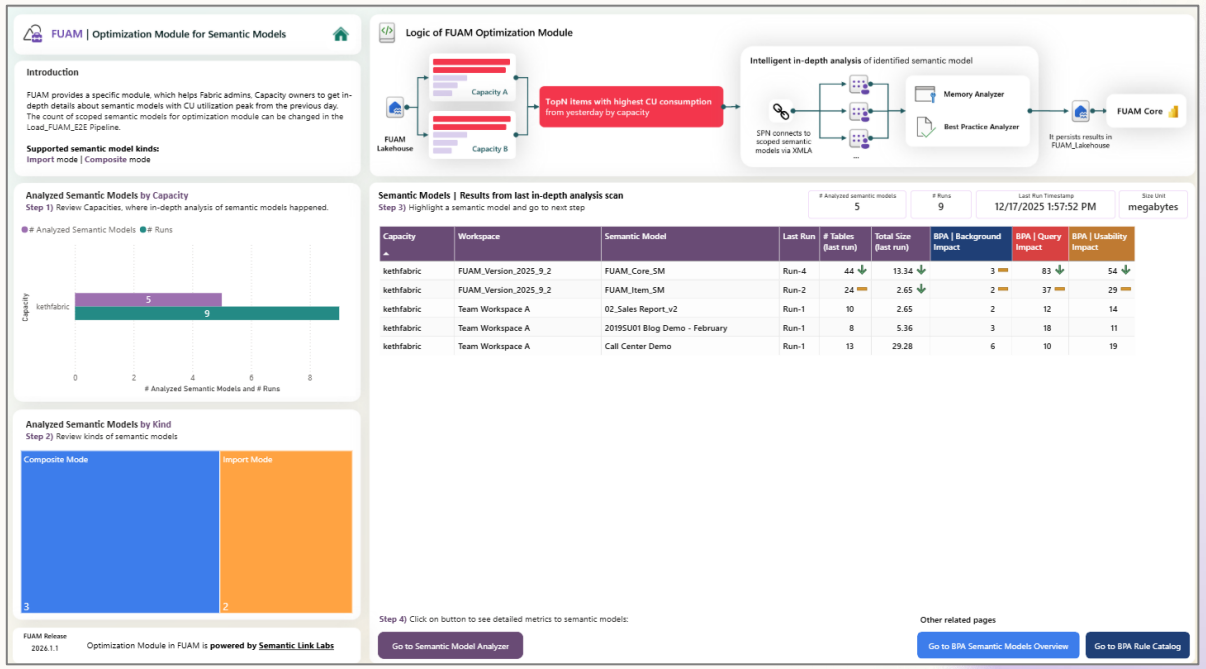


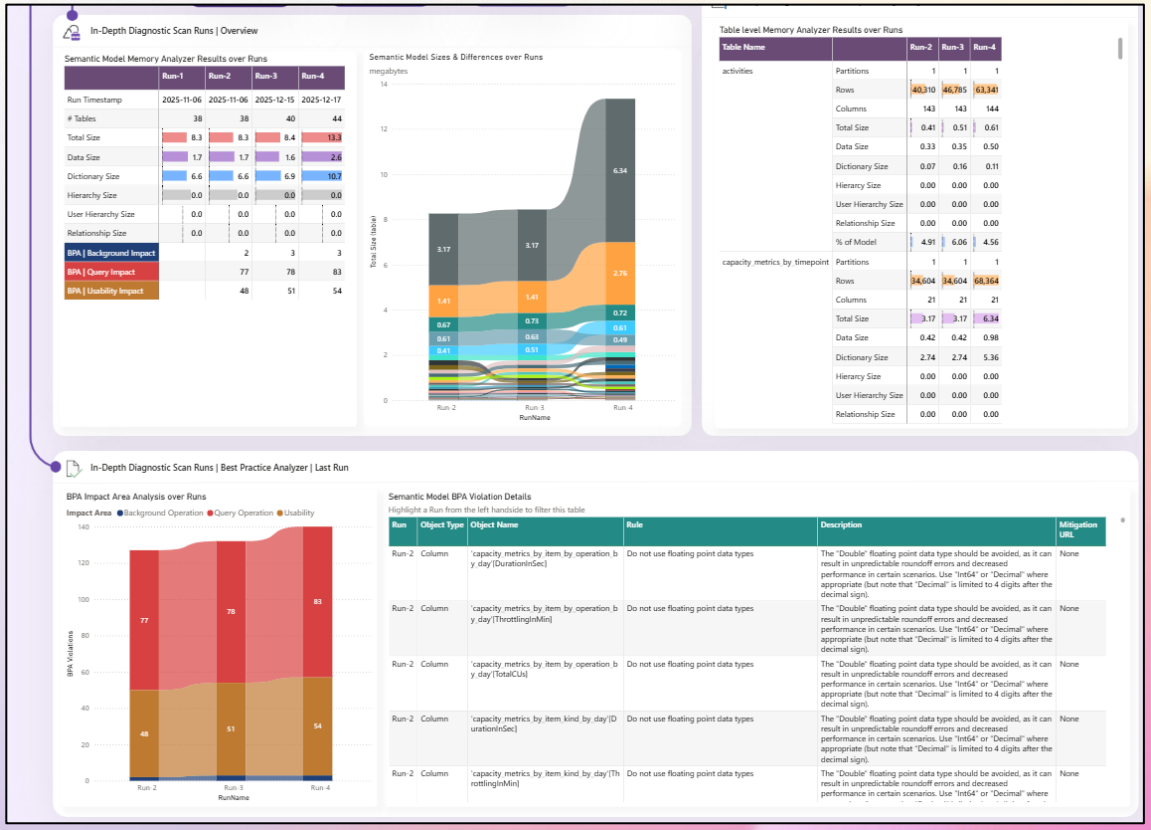






Optimization module - Reports





How to get it?

FUAM is no official Microsoft product, but a solution accelerator.

Saving you months of development work and giving you complete flexibility.

Microsoft/fabric-toolbox

The complete FUAM solution accelerator is Open Source available at GitHub.

Low recurring cost:

International Customer

40.000 users

20+ capacities

CU Consumption:

1% of F64

Extended services

are available for

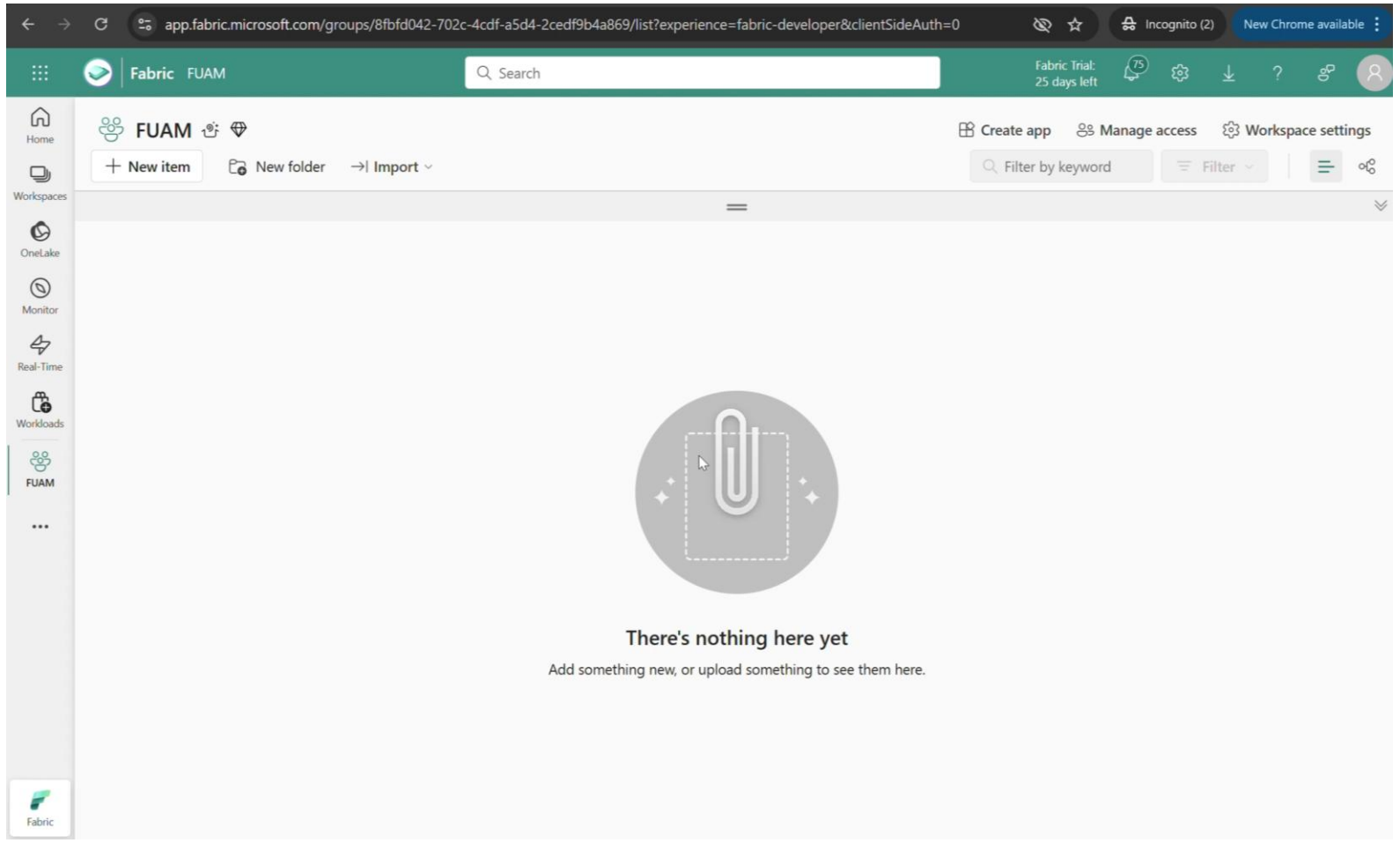
Unified customers.

Contact your account team

FUAM's highly automatized deployment experience via Fabric CLI

Fabric CLI
Code your data

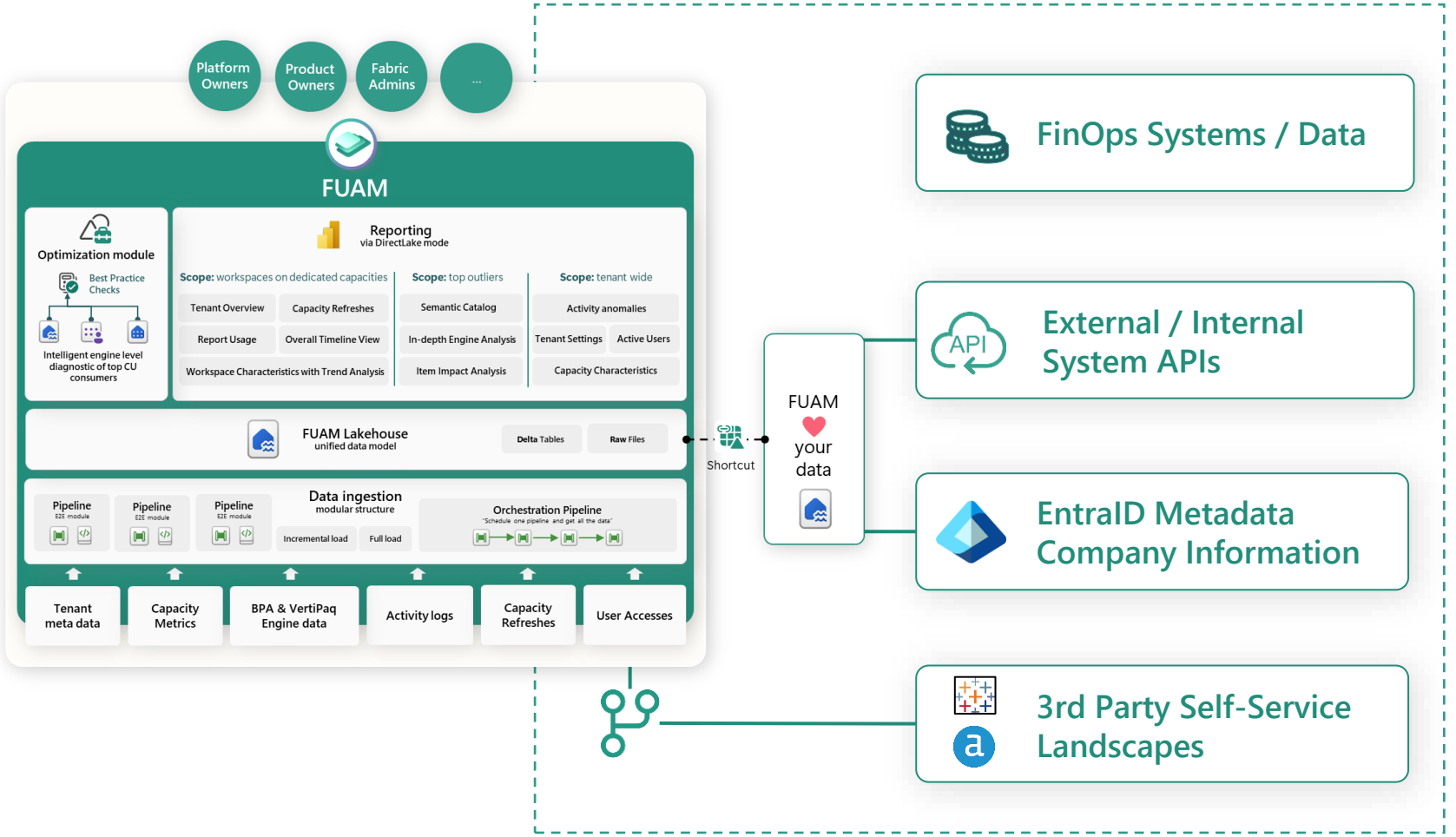
Deploy & Update FUAM with a single Fabric Notebook with the help of Fabric CLI



Build the monitoring you need!

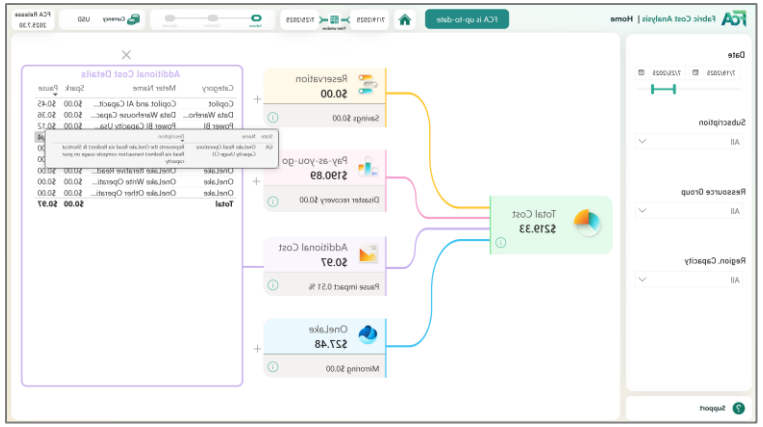
your data

Since all data is available within the central FUAM Lakehouse, you are able to get the most out of your monitoring data.



Other Fabric Toolbox Monitoring accelerators

- Workspace Monitoring Templates
  - PBI Reports and RT-Dashboards for detailed level workspace logging
- Fabric Cost Analysis
  - Fabric Cost Monitoring of F-SKUs
- Fabric Spark Monitoring
  - Detailed level spark performance monitoring
- Fabric Platform Monitoring
  - RTI Monitoring for Capacity Events, Gateways, Activities & Scanner API



FUAM – Next Steps

- **Optimization module** (for semantic models)
- **FUAM Real-Time Capacity Analytics**
- **FUAM Capacity Metrics based on Capacity Events**

- **FUAM Lineage Graph (In Exploration)**
- **FUAM + FCA Analysis**
- **FUAM Gateway Analysis harmonized with Fabric Platform Monitoring approach**



Gellert Gintli

Cloud Solution Architect

Data & AI | Microsoft



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Cloud Solution Architect

Data & AI | Microsoft

Q&A | FUAM

