

Budapest Power BI Meetup #19



Planning in Fabric

Translytical Task Flows

FabCon újdonságok Atlantából



2026. április 28. 18:00-20:00



EPAM · 1083 · Bókay János u. 44.

FabCon újdonságok Atlantából



Bujtor Máté

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Lead Consultant



Power BI & Fabric
Process & Organization Development
Governance & Administration



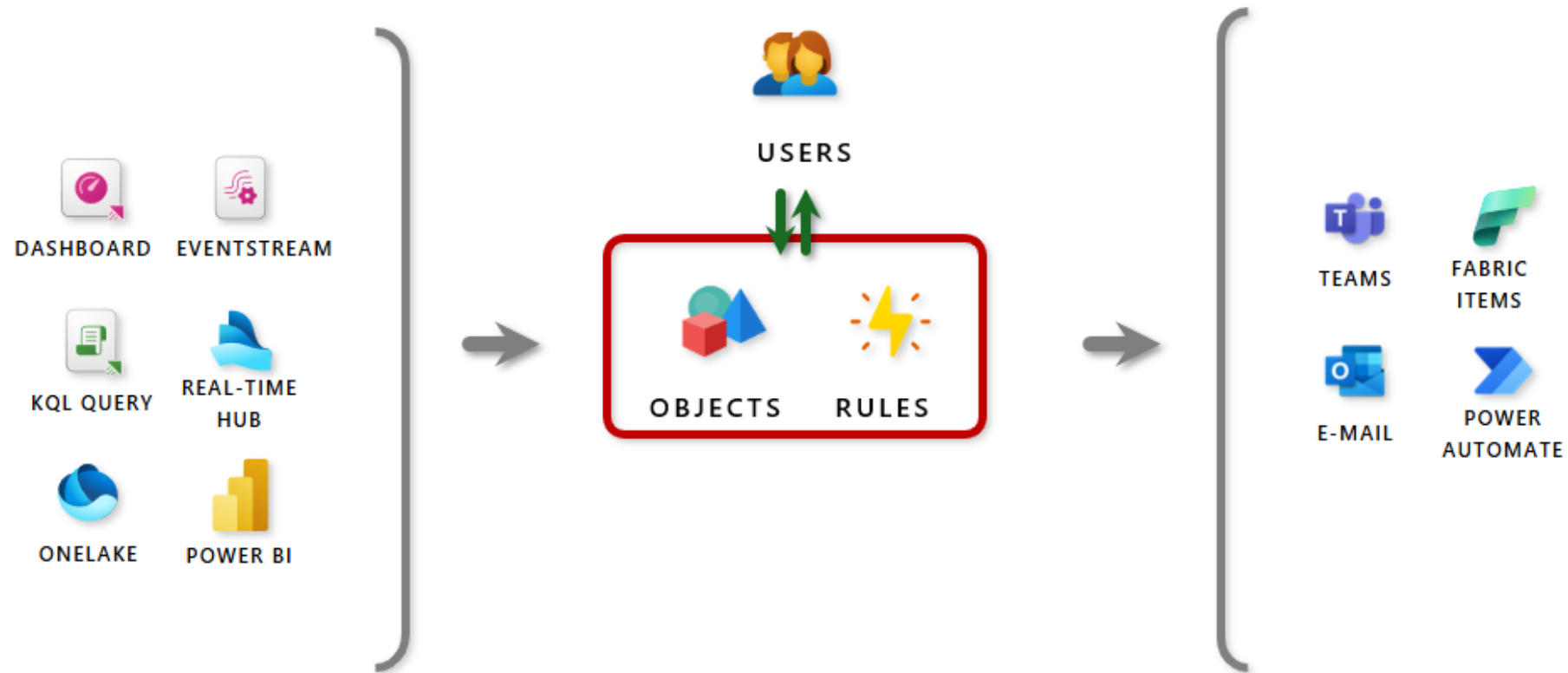
DWH PO, PM
Agile, DevOps
Leadership



SQL Alerts

What is Fabric Activator?

Activator connects data & action systems



SQL Alerts

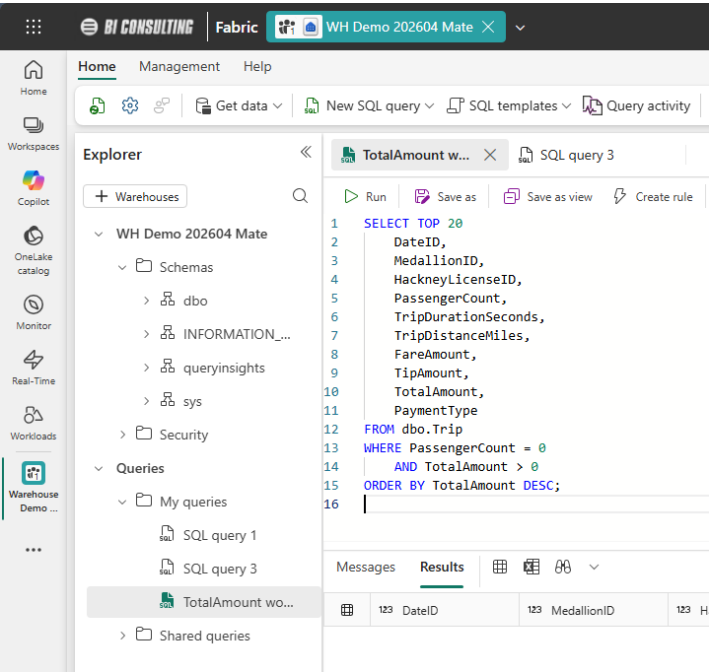
Alerts and actions

Microsoft Fabric Data Warehouse provides operational intelligence closer to the data by integrating SQL queries with [Fabric Activator rules](#). Traditionally, identifying an issue in query results is only the first step. Teams then need separate systems or manually follow up to notify the right people and act. With this integration, Data Warehouse makes it possible to define rules directly from SQL query outputs, so changes in data can trigger alerts and downstream actions automatically.

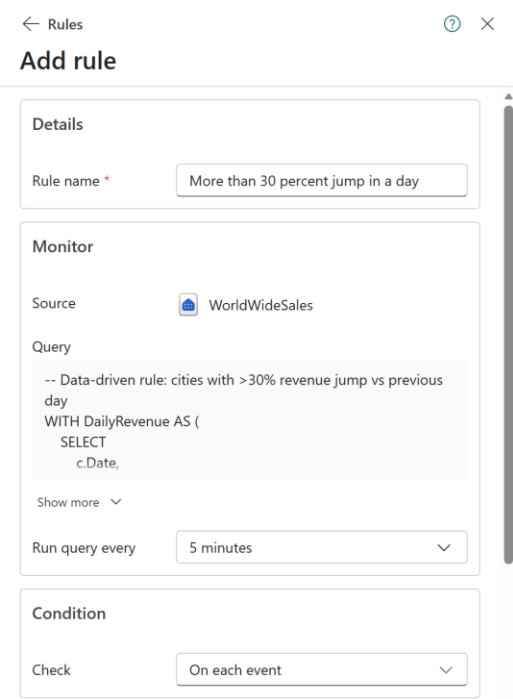
This unlocks a simpler way to monitor business-critical conditions using familiar SQL workflows. Teams can create queries that detect scenarios such as SLA risks, failed processes, unusual trends, or threshold breaches, then attach rules that evaluate results continuously and respond in real time. The result is a more proactive analytics experience, where insights move beyond the warehouse and are acted on immediately.

SQL Alerts

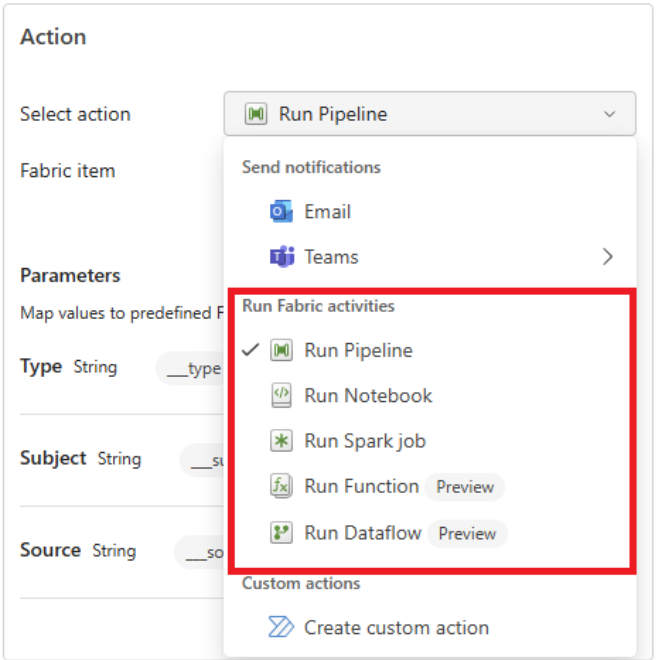
SQL Query (Fabric Data Warehouse)



Event



Action



SQL Alerts

Home

Copilot

Create

Browse

OneLake catalog

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Queries

My queries

SQL query 1

SQL query 10

SQL query 11

SQL query 12

SQL query 13

SQL query 2

SQL query 3

SQL query 4

SQL query 5

SQL query 6

SQL query 7

SQL query 8

SQL query 8

SQL query 13

Run

Save as view

Explain query

Fix query errors

Preview

Copilot uses AI. Mistakes can happen. Verify code suggestions before running them. [Review terms](#)

-- Step 3: Use SUM([LatestRecordedPopulation]) to get total population per city/state

-- Step 4: Filter groups where total population exceeds 2,500,000

-- Step 5: Sort results by total population descending

SELECT

[City],

[StateProvince],

SUM([LatestRecordedPopulation]) AS [TotalPopulation]

FROM

[dbo].[dimension_city]

GROUP BY

[City],

[StateProvince]

HAVING

SUM([LatestRecordedPopulation]) > 2500000

ORDER BY

[TotalPopulation] DESC;

Messages

Results

ABC City

ABC StateProvince

123 TotalPopulation

1 New York

New York

24525399

2 Los Angeles

California

15170484

3 Chicago

Illinois

8086794

4 Brooklyn

New York

7696905

5 Queens

New York

6818313

6 Houston

Texas

6298353

7 San Diego

California

5229608

8 Manhattan

New York

4857270

9 Philadelphia

Pennsylvania

4578018

10 Phoenix

Arizona

4336896

11 The Bronx

New York

4225419

12 San Antonio

Texas

3982221

Succeeded (1 sec 822 ms)

Copilot completions: On

Copilot completions: Ready

Columns: 3 Rows: 18

Copilot

Preview

result set. For example, you could use WHERE to only include rows where City = 'Seattle'.

- HAVING filters groups after the GROUP BY operation and after any aggregate functions (like SUM or AVG) have been calculated. It applies to the grouped results, not the raw rows. Use HAVING when you want to restrict results based on the outcome of aggregate functions, for example, only showing groups where SUM(Population) > 2,500,000.

You can use both WHERE and HAVING in the same query—WHERE limits rows before aggregation, HAVING limits the groups after aggregation.

Would you like to see an example using both WHERE and HAVING in the same query?

Is this response helpful?

View prompts

Ask me anything about this warehouse, or tell me how I can help.

0 / 500

AI-generated content can have mistakes. Make sure it's

SQL Query

The screenshot displays the Microsoft Fabric SQL Query interface. The top navigation bar includes the 'BI CONSULTING' logo, a 'Fabric' workspace selector, and a search bar. The main workspace is titled 'WH Demo 202604 Mate'. The left sidebar shows the 'Explorer' pane with a tree view of the workspace structure, including 'Warehouses', 'Schemas', and 'Queries'. The central pane shows a SQL query editor with a preview of the query results. The query is a SELECT statement filtering for trips with a passenger count of 0 and a total amount greater than 0, ordered by total amount in descending order. The bottom pane shows the 'Results' tab with a table of 10 columns and 0 rows. The status bar at the bottom indicates the query succeeded in 1 second and 347 milliseconds.

SQL Query:

```
1 SELECT TOP 20
2   DateID,
3   MedallionID,
4   HackneyLicenseID,
5   PassengerCount,
6   TripDurationSeconds,
7   TripDistanceMiles,
8   FareAmount,
9   TipAmount,
10  TotalAmount,
11  PaymentType
12 FROM dbo.Trip
13 WHERE PassengerCount = 0
14       AND TotalAmount > 0
15 ORDER BY TotalAmount DESC;
```

Results Table:

123	DateID	123	MedallionID	123	HackneyLicenseID	123	PassengerCount	123	TripDurationSeconds	12F	TripDistanceMiles	e*	FareAmount	e*	TipAmount	e*	TotalAmount	ABC	PaymentType
-----	--------	-----	-------------	-----	------------------	-----	----------------	-----	---------------------	-----	-------------------	----	------------	----	-----------	----	-------------	-----	-------------

Status: Succeeded (1 sec 347 ms) | Copilot completions: Off | Columns: 10 Rows: 0

<https://learn.microsoft.com/en-us/fabric/real-time-intelligence/data-activator/set-alerts-warehouse-sql-query>

SQL Query

The screenshot displays the Microsoft Fabric SQL Query interface. The top navigation bar includes the 'BI CONSULTING' logo, the 'Fabric' workspace name, and a search bar. The main workspace is titled 'WH Demo 202604 Mate'. The left sidebar shows the 'Explorer' pane with a tree view of the workspace structure, including 'Warehouses', 'Schemas', and 'Queries'. The central pane shows a SQL query editor with a Copilot-generated query. A large purple note box is overlaid on the query, stating: 'Note: The SQL query must be a SELECT query.' The query text is as follows:

```
1 SELECT TOP 20
2   DateID,
3   MedallionID,
4   HackneyLicenseID,
5   PassengerCount,
6   TripDurationSeconds,
7   TripDistanceMiles,
8   FareAmount,
9   TipAmount,
10  TotalAmount,
11  PaymentType
12 FROM dbo.TripData
13 WHERE PassengerCount > 1
14 AND TotalAmount > 100
15 ORDER BY TotalAmount DESC;
```

Below the query editor, the 'Results' pane shows a table with 10 columns and 0 rows. The columns are: DateID, MedallionID, HackneyLicenseID, PassengerCount, TripDurationSeconds, TripDistanceMiles, FareAmount, TipAmount, TotalAmount, and PaymentType. The status bar at the bottom indicates 'Succeeded (1 sec 347 ms)' and 'Copilot completions: Off'.

DateID	MedallionID	HackneyLicenseID	PassengerCount	TripDurationSeconds	TripDistanceMiles	FareAmount	TipAmount	TotalAmount	PaymentType
--------	-------------	------------------	----------------	---------------------	-------------------	------------	-----------	-------------	-------------

<https://learn.microsoft.com/en-us/fabric/real-time-intelligence/data-activator/set-alerts-warehouse-sql-query>

Rules Pane – Add Rule

The screenshot shows the Microsoft Fabric interface with the 'Add rule' dialog box open. The dialog is titled 'Add rule' and has three main sections: Details, Monitor, and Condition. The Details section contains a 'Rule name' field with the placeholder text 'Enter a rule name'. The Monitor section contains a 'Source' dropdown menu set to 'WH Demo 202604 Mate', a 'Query' text area containing the following SQL query:

```
SELECT TOP 20
  DateID,
  MedallionID,
  HackneyLicenseID,
  PassengerCount,
  TripDurationSeconds,
  TripDistanceMiles,
  FareAmount,
  TipAmount,
  TotalAmount,
  PaymentType
FROM dbo.Trip
WHERE PassengerCount = 0
AND TotalAmount > 0
ORDER BY TotalAmount DESC;
```

The 'Run query every' dropdown menu is set to '5 minutes'. The Condition section contains a 'Check' dropdown menu set to 'On each event'. In the background, the query editor shows a SQL query with the 'Create rule' button highlighted by a red box.

123	DateID	123	MedallionID	123	HackneyLicenseID	123	PassengerCount	123	TripDurationSeconds	12F	TripDistanceMiles	e*	FareAmount
-----	--------	-----	-------------	-----	------------------	-----	----------------	-----	---------------------	-----	-------------------	----	------------

Rules Pane - Schedule

The image shows a configuration pane for scheduling a rule. It is divided into three main sections: 'Run query every', 'Condition', and 'Action'. The 'Run query every' section has a dropdown menu open, showing a list of time intervals. The 'Condition' section has a 'Check' label. The 'Action' section has a 'Select action' label and a 'To *' label.

Run query every

5 minutes

1 minute

✓ 5 minutes

15 minutes

30 minutes

1 hour

3 hours

6 hours

12 hours

Condition

Check

Action

Select action

To *

Rules Pane – Action

Action

Select action

To *

Headline *

Notes

Context ⓘ

Save location

Workspace

Item

Message to individuals

Send notifications

Email

Teams

Run Fabric activities

Run Pipeline

Run Notebook

Run Spark job

Run Function Preview

Run Dataflow Preview

Custom actions

Create custom action

Rules Pane – Action Context

Action

Select action

 Message to individuals 

To *

MB Máté Bujtor 

Headline *

No Passenger activator alert for
MedallionID 



Notes

Total Amount = TotalAmount 



Context 

MedallionID, FareAmount 

Rules Pane – Start/Stop

Rules

 Warehouse Demo 2026... /  WareHouse Demo Ac... [Edit](#)

TotalAmount wo Passenger Rule

 Running 

No Passenger with Total Amount New

 Running 

 Edit
 Delete
 Open in Activator

Activator – Event

The screenshot displays the Microsoft Fabric Data Activator interface. The top navigation bar includes the BI CONSULTING logo, the Fabric workspace name 'WH Demo 202604 Mate', and the activator name 'WareHouse Demo Activator'. A search bar and user profile are also visible. The left sidebar shows the workspace structure with 'WH Demo 202604 Mate' expanded, revealing two event rules: 'TotalAmount wo Passenger Rule' and 'No Passenger with Total Amount'. The main panel is titled 'WH Demo 202604 Mate event' and has tabs for 'Live feed', 'Analytics', and 'Manage source'. The 'Manage source' tab is active, showing 'Source details' and a 'Query' section. The 'Source details' section includes a 'Warehouse' dropdown set to 'WH Demo 202604 Mate', a 'Run query every' dropdown set to '5 minutes', and a 'Status' indicator showing 'Connected'. The 'Query' section contains a SQL query:

```
SELECT TOP 20
    DateID,
    MedallionID,
    HackneyLicenseID,
    PassengerCount,
    TripDurationSeconds,
    TripDistanceMiles,
    FareAmount,
    TipAmount,
    TotalAmount,
    PaymentType
FROM dbo.Trip
WHERE PassengerCount = 0
    AND TotalAmount > 0
ORDER BY TotalAmount DESC;
```

Source details

Warehouse
WH Demo 202604 Mate

Run query every
5 minutes

Status
Connected

Query

```
SQL

SELECT TOP 20
    DateID,
    MedallionID,
    HackneyLicenseID,
    PassengerCount,
    TripDurationSeconds,
    TripDistanceMiles,
    FareAmount,
    TipAmount,
    TotalAmount,
    PaymentType
FROM dbo.Trip
WHERE PassengerCount = 0
    AND TotalAmount > 0
ORDER BY TotalAmount DESC;
```

Activator - Action

The screenshot displays the Microsoft Fabric Activator interface. At the top, the navigation bar includes the BI CONSULTING logo, the workspace name 'WH Demo 202604 Mate', and the activator name 'WareHouse Demo Activator'. A search bar and user profile are also visible. The main area shows a list of rules, with 'No Passenger with Total Amount' selected and in a 'Running' state. An 'Edit the action' dialog is open, showing the configuration for a 'Teams message' action. The dialog includes fields for 'Recipient(s)' (Máté Bujtor), 'Headline' (No Passenger activator alert for MedallionID), 'Message' (Total Amount= TotalAmount), and 'Context' (MedallionID, FareAmount). To the right of the dialog, a preview of the alert is shown, including the activation time (Apr 28, 2026, 11:53:11 AM UTC) and the user who modified it (Sample User). The background interface shows various workspace and workload icons on the left and a 'Send me a test action' button at the bottom right.

Edit the action

Action: Teams message

Recipient(s) *: MB Máté Bujtor

Headline *: No Passenger activator alert for MedallionID

Message: Total Amount= TotalAmount

Context: MedallionID, FareAmount

Discard changes

Sample User via Fabric Activator 1:53 PM

This is a preview of the alert. The alert will be sent via Activator bot.

No Passenger activator alert for Sample MedallionID

Total Amount=Sample TotalAmount

Manage rule

Activation Time: Apr 28, 2026, 11:53:11 AM UTC

MedallionID: Sample MedallionID

FareAmount: Sample FareAmount

Modified by Sample User on Apr 28, 2026, 11:53:11 AM UTC, UID: h12skzPW12t84t8

Send me a test action Apply

Sample Alert

Activity

Chat

Calendar

Calls

OneDrive

Apps

Search (Ctrl+E)

Chat

UnreadChannelsChats

Quick views

@ Mentions

✎ Drafts

Favorites

Fabric Activator

> Chats

> Teams and channels

Fabric Activator Activity

Máté Bujtor via Fabric Activator Yesterday 2:05 PM

This notification is a test action.

Activator alert - No Passenger

TotalAmount wo. Passenger criteria met

Manage rule

Activation Time:	Apr 27, 2026 12:04:20 UTC
TripDurationSeconds:	3896
TripDistanceMiles:	11.01
TotalAmount:	38
PassengerCount:	3

Last modified by Máté Bujtor on Apr 27, 2026 12:04:39 UTC, UID: 2fea0bf3

If you have any questions or feedback on Activator, please share it on <https://aka.ms/ActivatorCommunity>.

T

Activity

Chat

Calendar

Calls

OneDrive

Apps

<>

Search (Ctrl+E)

Chat

Unread

Channels

Chats

Quick views

@ Mentions

Drafts

Favorites

Fabric Activator

> Chats

> Teams and channels

Fabric Activator

Activity

Activator alert - No Passenger

TotalAmount wo. Passenger criteria met

Manage rule

View details

Activation Time:

Apr 27, 2026 12:14:13 UTC

TripDurationSeconds:

3892

TripDistanceMiles:

6.53

TotalAmount:

25

PassengerCount:

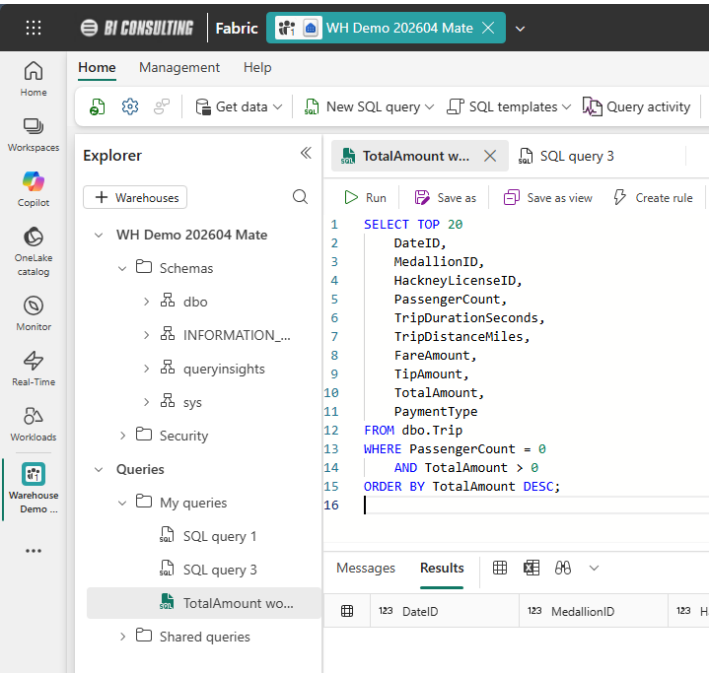
1

Last modified by Máté Bujtor on Apr 27, 2026 12:04:12 UTC, UID: 6464e4be

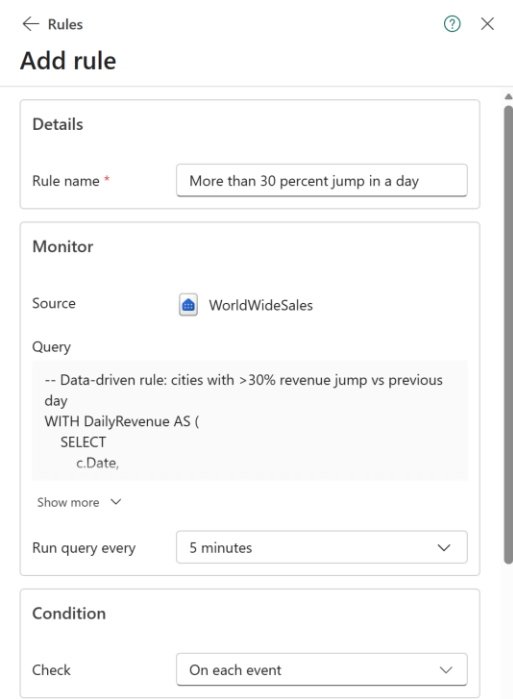
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SQL Alerts

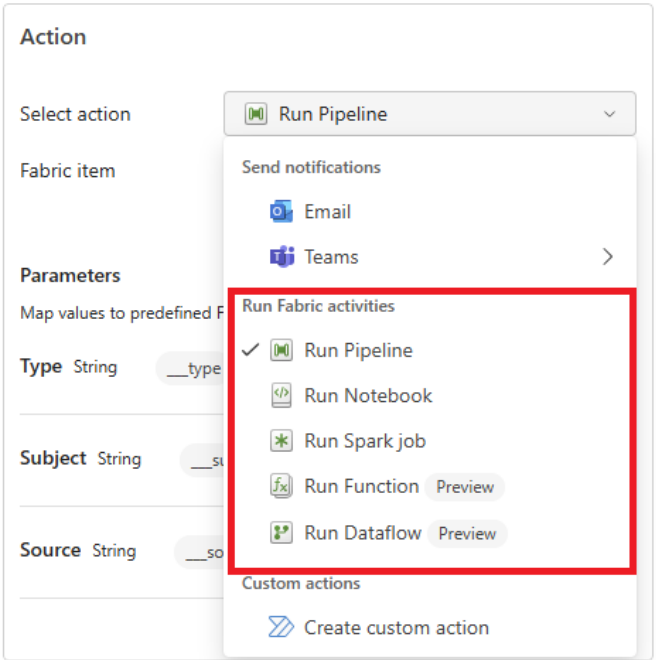
SQL Query (Fabric Data Warehouse)



Event



Action



Capacity Overage

Throttling

Overview

- Throttling occurs when a tenant's capacity consumes more capacity resources than it has purchased.
- Throttling only impact new requests (In-flight operations aren't throttled).
- **Throttling example:** You purchase 10 CUs and use 50 CUs per min, then you would get throttled after 2.5 minutes (stage 2).

Stage 0: CU is at full potential, no throttling is applied.

Stage 1: A capacity has consumed all CU for the next 10 minutes and new interactive jobs are delayed by 20 seconds.

Stage 2: A capacity has consumed all CU for the next hour. New interactive jobs are rejected, but new background jobs are allowed to start.

Stage 4: A capacity has consumed all CU for the next 24 hours. All new jobs are rejected until the usage is paid off.

Capacity Overage

Introducing capacity overage: Flexibility when you need it most (Preview)

Fabric platform

Uncategorized



March 27, 2026 by [Pankaj Arora](#) 42,721 Views

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If you haven't already, check out Arun Ulag's hero blog "[FabCon and SQLCon 2026: Unifying databases and Fabric on a single, complete platform](#)" for a complete look at all of our FabCon and SQLCon announcements across both Fabric and our database offerings.

Capacity overage, is a new opt-in capability in Microsoft Fabric designed to help organizations keep their workloads running—even during unexpected compute spikes. Now available in preview, this feature allows for automatic billing for excess capacity usage, based on limits you set, instead of throttling operations, ensuring smoother experiences when workloads exceed the limits of your purchased capacity.

[Introducing capacity overage: Flexibility when you need it most \(Preview\)](#) | [Microsoft Fabric Blog](#) | [Microsoft Fabric](#)

Capacity Overage

- Automatically **prevent Throttling** during periods of peak demand
- **Pay only for extra usage** when capacity limits are exceeded
- Set **spending limit** directly in the Admin Portal
- Right-size your SKU – **no need to over-provision** for spikes

Capacity Overage

Unapplied changes

Prevent capacity throttling by automatically paying for temporary overages. [Learn more](#) 

Control when overage billing stops by setting an overage limit. When the capacity detects that total billed overages in the prior 24-hours exceed this limit, it stops billing additional overages. The capacity monitors total billed overages every 5 minutes. Actual billed overages may exceed this limit. [Learn more](#) 



On

24-hour overage limit



240

CUhr

Capacity Overage

- Automatically **prevent Throttling** during periods of peak demand
- **Pay only for extra usage** when capacity limits are exceeded
- Set **spending limit** directly in the Admin Portal
- Right-size your SKU – **no need to over-provision** for spikes

- **“Safety net”**

Capacity Overage

Unapplied changes

Prevent capacity throttling by automatically paying for temporary overages. [Learn more](#) 

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24-hour overage limit



Capacity Overage

Capacity Overage

Unapplied changes

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On

24-hour overage limit



240

CUhr

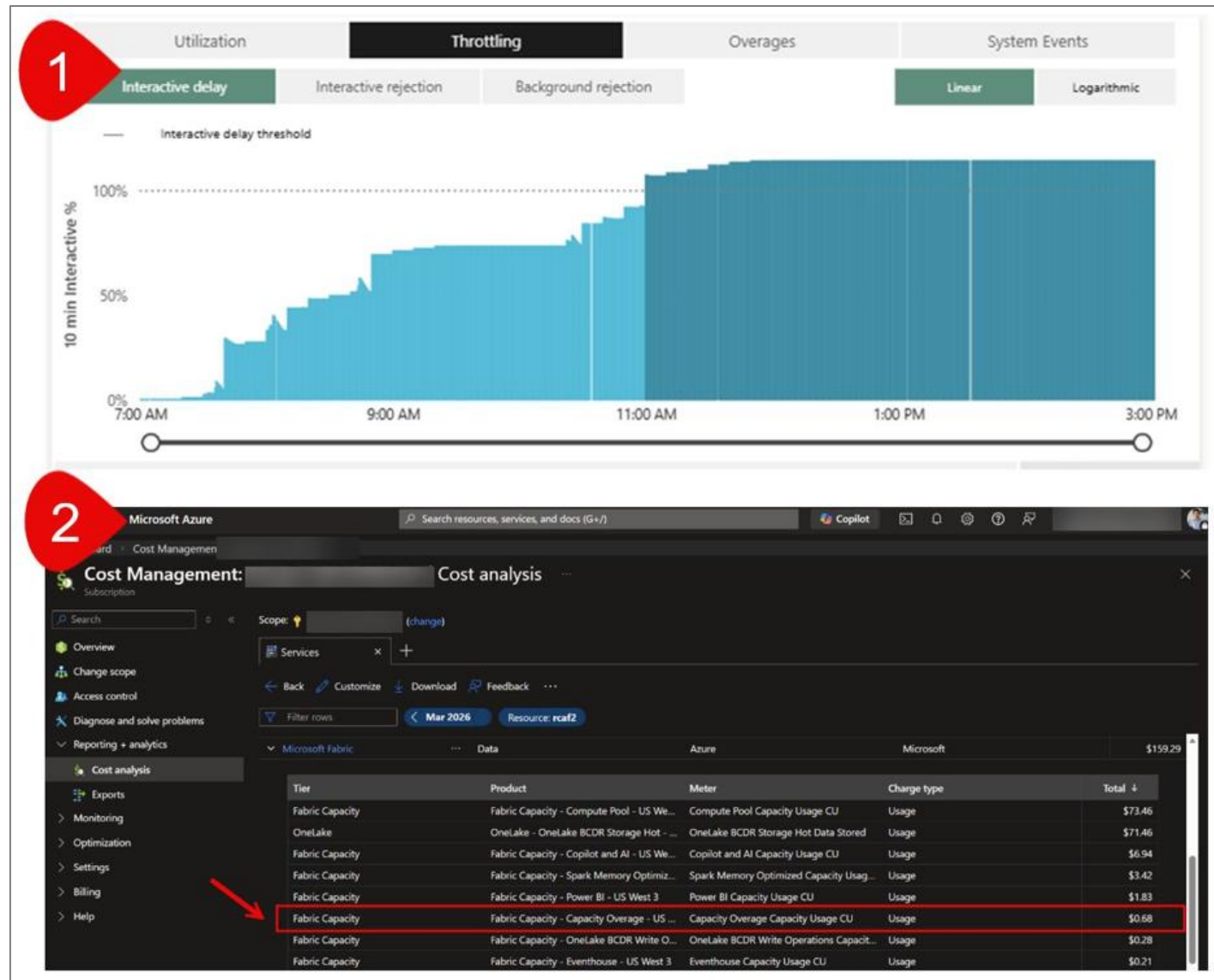
Capacity Overage Considerations

- **Reaching the limit:** Capacity overage stops and throttling resumes until usage rolls out of the window or you increase the limit.
- **Increasing the limit:** Resumes billing if overload persists.
- **Lowering the limit:** May result in throttling if your processed capacity overages exceed the new limit.
- **Enabling overage protection during throttling:** Fabric charges you for all cumulative carry forward at the time you switch on capacity overage.
- **Rates:** 3 times pay-as-you-go rates. 

Govern Capacity Overage

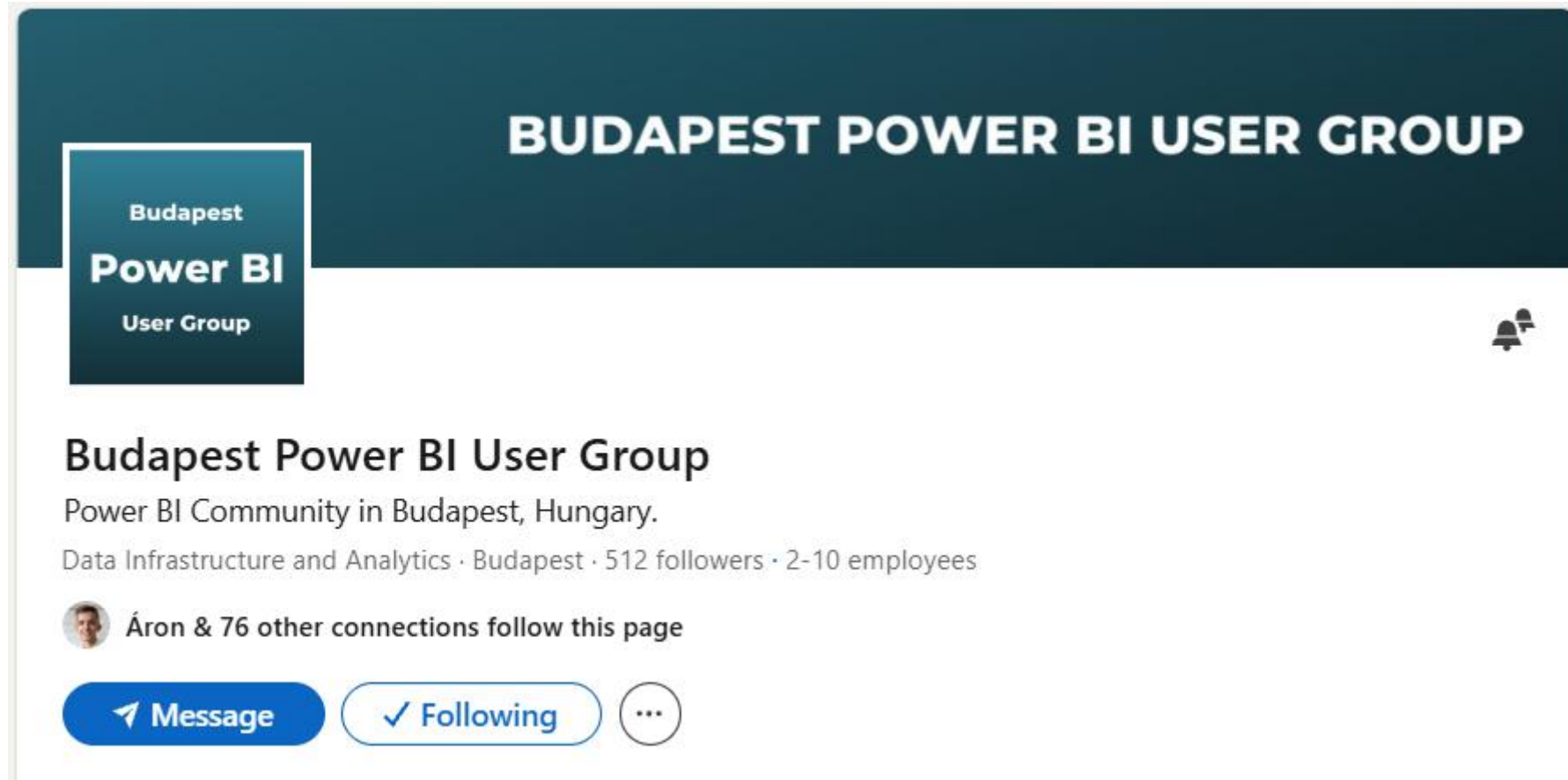
- **When capacity overage activates:**
 - Review workloads and optimize or redistribute where possible.
 - Scale up to a larger SKU if you have frequent capacity overages or are in a deep throttling state (e.g. background rejection).
 - Adjust limits based on budget and performance needs.
- **Monitor charges:** Use Azure Cost Management and filter by the overage meter (Capacity Overage Capacity Usage CU) to monitor usage and costs.

Track Overage Billing Costs





Social



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👤 1,271 members

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Rendezvényeink

Rendezvények

Aktuális eseményeink

Következő eseményeinkről több információ a képekre kattintva elérhető.



2026.04.21.



2026.04.28.



2026.05.18-20.

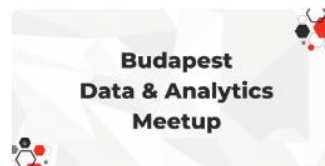
Konferenciáink

Évente két nagyobb konferenciát szervezünk adatmenedzsment, gépi tanulás és üzleti intelligencia fókusszal. Ezek a rendezvények a hazai adatos közösség meghatározó eseményei és találkozóhelyei.



Meetup sorozatunk

Az éves konferenciák mellett több adatos meetupot is szervezünk, amelyek rendszeresen jelentkeznek szakmai eseményekkel.



Thank You

