

A Day In The Life of a(n Accidental) ~~Power BI~~ Fabric Administrator

Nicky van Vroenhoven



Once upon a time...



Takeaways

Features & Configurations

- Understand the features and configurations available in Fabric from an administrator's perspective

Best Practices

- Understand the best practices while administering Fabric

Applicable

- Have enough experience with the above to be able to apply it when you return to your office

Typical tasks of an admin

- Admin Portal
- Tenant settings
- Governance & Auditing
- Gateways & Data Sources
- Capacity & Monitoring
- (Usage of) Licensing
- Fabric External tools (PBID)
- Govern integration w/ 365 apps
- Power Platform integrations (governance)
- Increasing adoption
 - Training users
 - Fabric Usage & Adoption
 - Fabric Center of Excellence
- General branding/theming guidelines

Typical tools of an admin

- Fabric (Admin) Portal
- Admin Monitoring
- REST APIs (Power BI & Fabric)
- Built-in & External tools
 - (Performance analyzer, DaxStudio, ALM Toolkit, Tabular Editor)
- Power Platform Admin Center
- Power Platform automations
- Microsoft 365 Admin Center
- Security & Compliance Center
- Azure Portal

Nicky van Vroenhoven



Unit Lead Fabric & Power BI



[/nicky-van-vroenhoven](https://sessionize.com/nicky-van-vroenhoven)



[/NickyvV](https://www.linkedin.com/in/NickyvV)



nickyvv.com



[/in/nickyvanvroenhoven](https://www.linkedin.com/in/nickyvanvroenhoven)



Data Platform MVP



Topics

- **The Power BI Fabric Admin role**
- Admin portal & Tenant settings
- Collaboration and sharing
- Power Platform
- Monitoring & Automation



Microsoft Fabric

The data platform for the era of AI

Complete Analytics Platform

Everything, unified

SaaS-ified

Secured and governed

Lake Centric and Open

OneLake

One copy

Open at every tier

Empower Every Business User

Familiar and intuitive

Built into Microsoft 365

Insight to action

AI Powered

Copilot accelerated

Gen AI on your data

AI-driven insights

Secure and govern your data in Microsoft Fabric



Manage your data estate

Gain fine-grained control over your tenant, capacity, and workspace settings

Create a logical data mesh with domains to simplify management and increase data usage



Secure, protect & comply

Secure inbound and outbound network connections

Ensure only the right people have access internally

Maintain compliance with the strictest requirements



Encourage data discovery, trust, and use

Manage, catalog, and discover data in a logical, searchable data hub

Endorse and enrich high-quality data to create & promote curated, discoverable sources of truth

View the lineage for data items to identify origin and find other relevant sources



Monitor, uncover insights and act

Track metrics important to admins such as usage, billing, and access

See relevant insights about sensitive data and item endorsement

Give users the ability to closely monitor their Fabric activities

Gain full visibility and control

Governance and security features built into Fabric

Manage your data estate

 Admin portal and APIs

 Metadata scanning

 Capacities

 Domains

 Workspaces

Secure, protect, and comply

 Fabric inbound and outbound security

 Conditional access

 Fine-grained security and access controls

 Workspace & item security

 Purview sensitivity labeling

 Certifications

 Data residency

 Purview Audit

Encourage data discovery, trust, and use

 OneLake data hub

 Endorsement

 Data lineage & impact analysis

 External data sharing

 Metadata curation

Discover & Reuse

Monitor, uncover insights, and act

 Admin monitoring

 Capacity metrics

 Monitoring hub

 Purview Hub

Estate-wide governance and security with Microsoft Purview

Fabric metadata

Advanced Govern and secure Fabric data



Comprehensive data security¹



Federated data governance¹



Risk & compliance posture¹

Gain full visibility and control

Governance and security features built into Fabric

Manage your data estate

 **Admin portal and APIs**

 **Metadata scanning**

 **Capacities**

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Monitor, uncover insights, and act

 **Admin monitoring**

 **Capacity metrics**

 **Monitoring hub**

 Purview Hub

Estate-wide governance and security with Microsoft Purview

Fabric metadata

 Comprehensive data security¹

 Federated data governance¹

 Risk & compliance posture¹

Advanced Govern and secure Fabric data

What is a ~~Power BI~~ Fabric Admin?

- Business, empowerment <> governance
- Support business users while being in compliant with policies
- Part of Center of Excellence

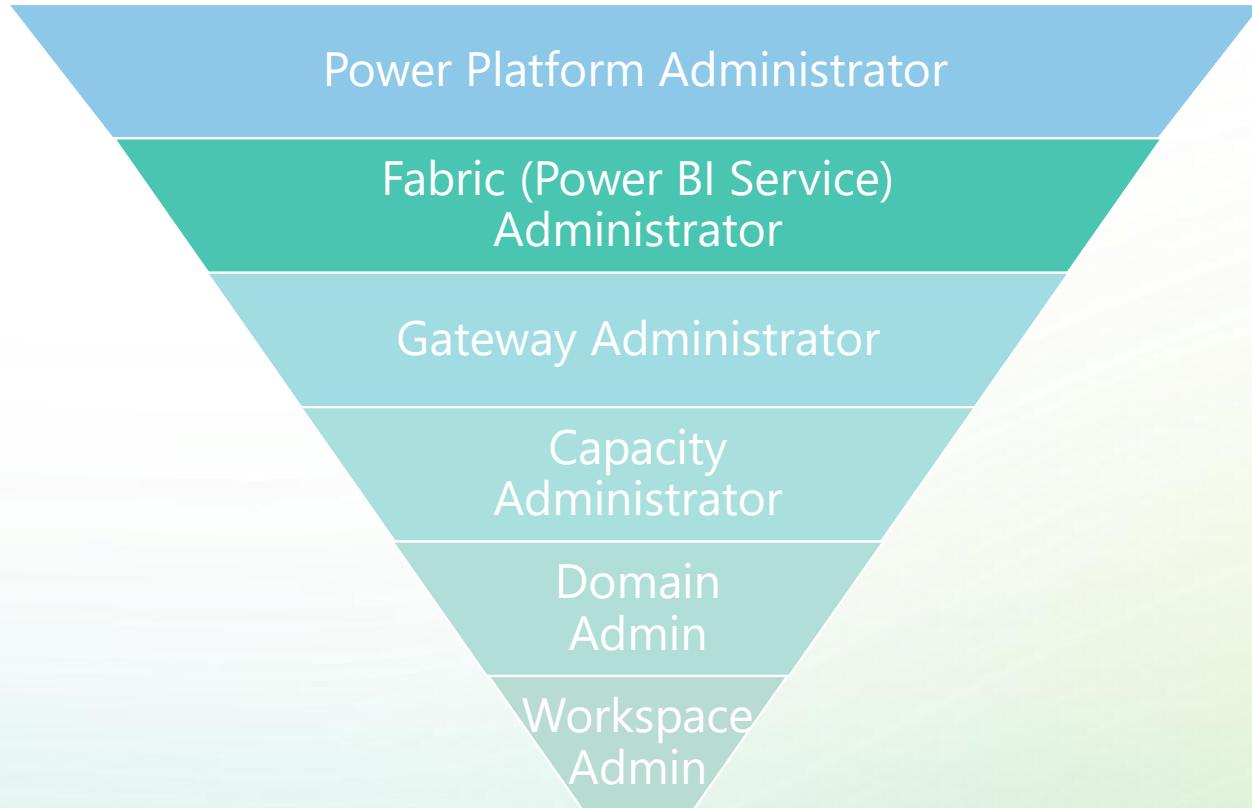


From Power BI to Fabric Admin?

What has (not) changed!?

- Fabric is a Unified, SaaS Data Platform > One Lake to rule them all
- Power BI is now part of Fabric (with more workloads)
 - But Power BI itself didn't change (much)
- Core concepts of governance from Power BI are still applicable
 - Tenant
 - Capacities
 - *Domains (New)*
 - Workspaces
- New Fabric Items always require a capacity

What is a Fabric Admin?



The Fabric Admin Role

→ Azure Active Directory Microsoft Entra ID Role Assignment

Home >

Roles and administrators | All roles

NickyvV.com

◦ « + New custom role ━ Delete custom role ━ Download assignments ━ Refresh

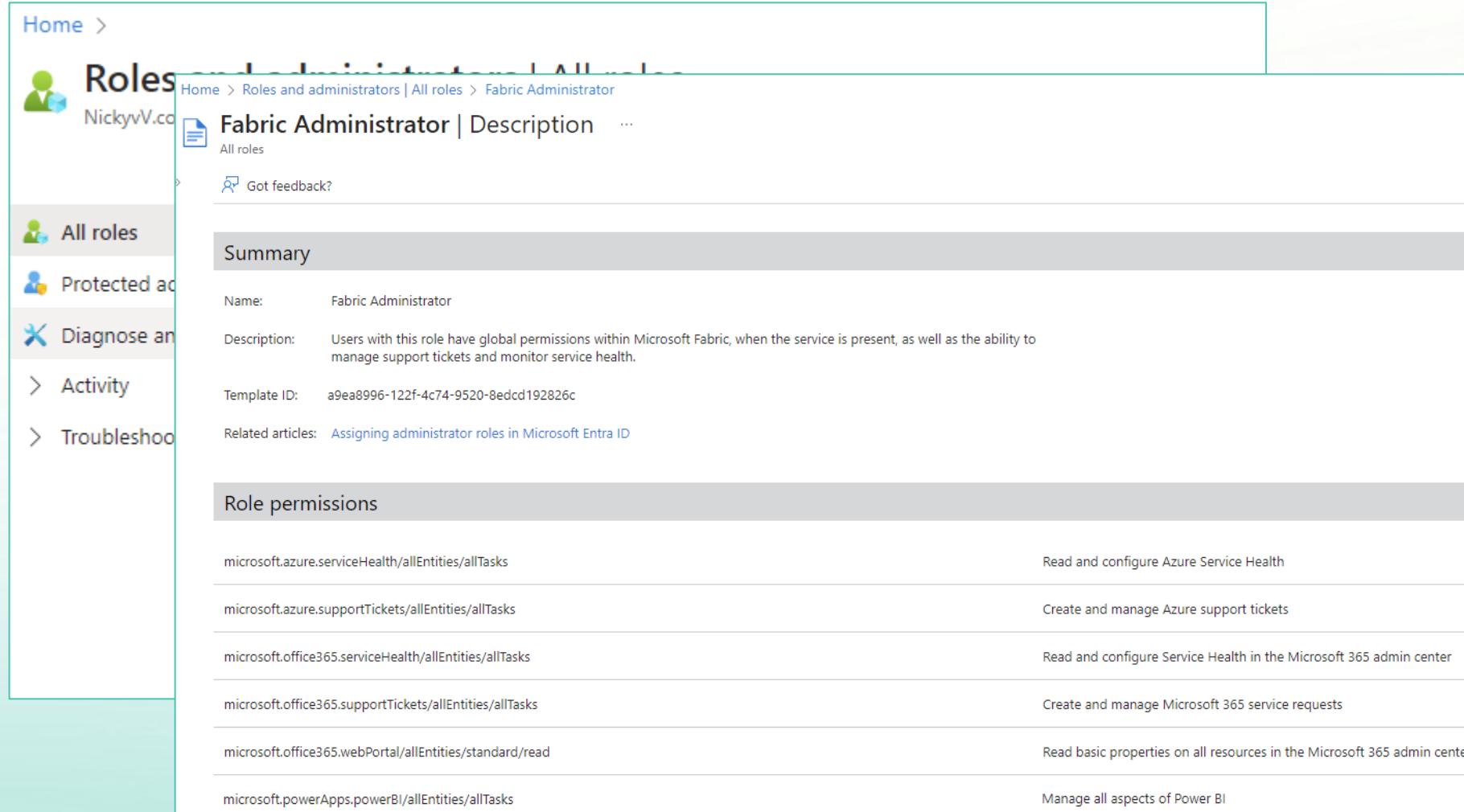
To create custom roles, your organization needs Microsoft Entra ID Premium P1 or P2. Standard roles are included.

ⓘ Your Role: Global Administrator

Role	↑↓	Description
<input type="checkbox"/>	Fabric Administrator	Can manage all aspects of Microsoft Fabric.
<input type="checkbox"/>	Power Platform Administrator	Can create and manage all aspects of Microsoft Dynamics 365, PowerApps and Microsoft Flow.

The Fabric Admin Role

- Azure Active Directory Role Assignment

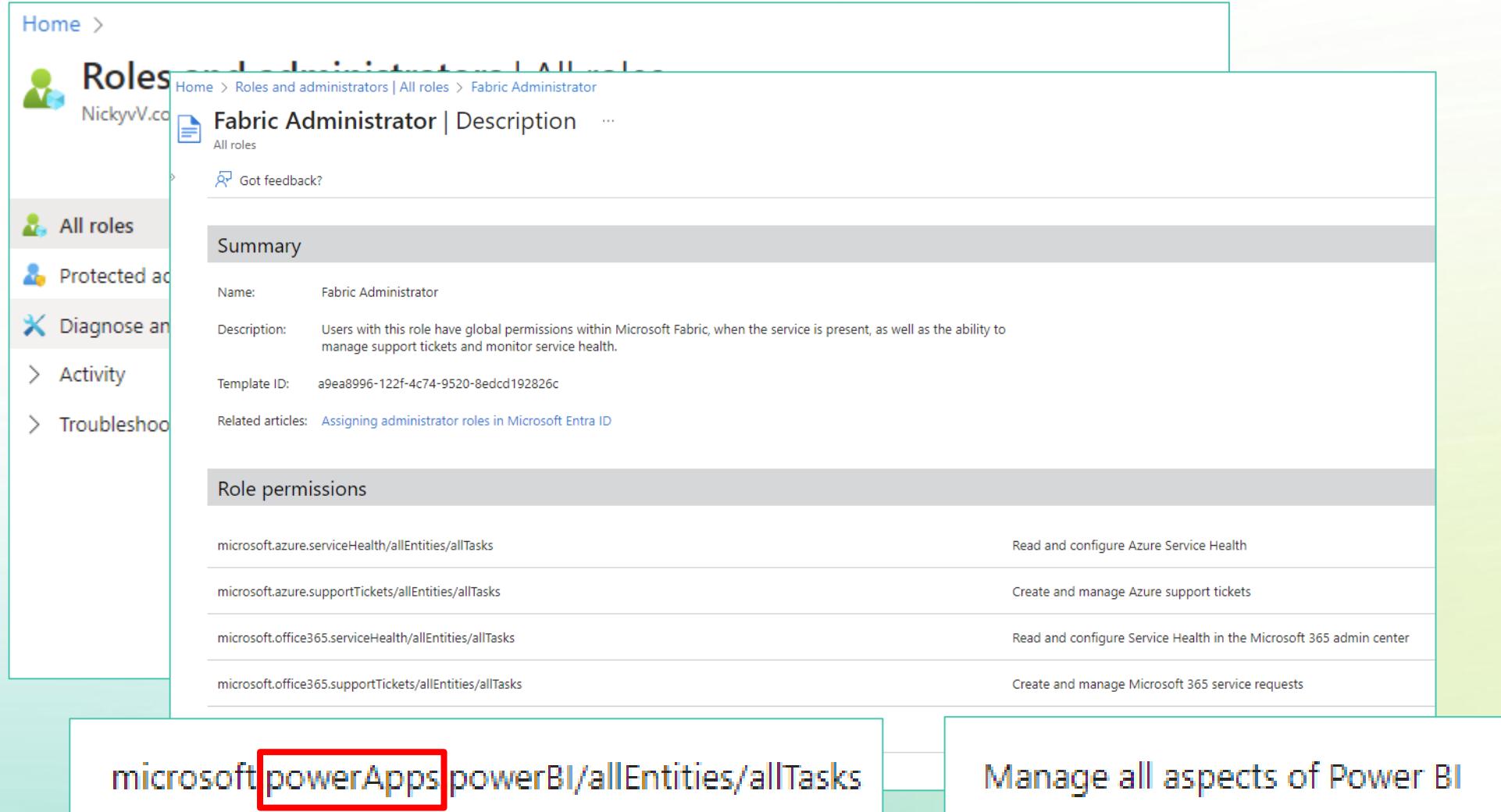


The screenshot shows the Microsoft Azure portal interface for managing roles. The left sidebar is titled 'Roles' and includes 'All roles' (selected), 'Protected access', 'Diagnose and fix', 'Activity', and 'Troubleshooting'. The main content area shows the 'Fabric Administrator' role details. The 'Summary' section includes the role's name (Fabric Administrator), description (Users with this role have global permissions within Microsoft Fabric, when the service is present, as well as the ability to manage support tickets and monitor service health), template ID (a9ea8996-122f-4c74-9520-8edcd192826), and a link to 'Assigning administrator roles in Microsoft Entra ID'. The 'Role permissions' section lists several API permissions with their descriptions:

API Permission	Description
microsoft.azure.serviceHealth/allEntities/allTasks	Read and configure Azure Service Health
microsoft.azure.supportTickets/allEntities/allTasks	Create and manage Azure support tickets
microsoft.office365.serviceHealth/allEntities/allTasks	Read and configure Service Health in the Microsoft 365 admin center
microsoft.office365.supportTickets/allEntities/allTasks	Create and manage Microsoft 365 service requests
microsoft.office365.webPortal/allEntities/standard/read	Read basic properties on all resources in the Microsoft 365 admin center
microsoft.powerApps.powerBI/allEntities/allTasks	Manage all aspects of Power BI

The Fabric Admin Role

- Azure Active Directory Role Assignment



The screenshot shows the 'Fabric Administrator' role details in the Azure portal. The left sidebar shows 'All roles' selected. The main content area displays the role's name, description, template ID, and related articles. The 'Role permissions' section lists four permissions with their descriptions:

Permission	Description
microsoft.azure.serviceHealth/allEntities/allTasks	Read and configure Azure Service Health
microsoft.azure.supportTickets/allEntities/allTasks	Create and manage Azure support tickets
microsoft.office365.serviceHealth/allEntities/allTasks	Read and configure Service Health in the Microsoft 365 admin center
microsoft.office365.supportTickets/allEntities/allTasks	Create and manage Microsoft 365 service requests

At the bottom, a red box highlights the 'powerApps' permission, with the text 'Manage all aspects of Power BI' to its right.

Home > Roles > NickyvV.co > Fabric Administrator | Description

Fabric Administrator | Description

All roles

Got feedback?

Summary

Name: Fabric Administrator

Description: Users with this role have global permissions within Microsoft Fabric, when the service is present, as well as the ability to manage support tickets and monitor service health.

Template ID: a9ea8996-122f-4c74-9520-8edcd192826c

Related articles: [Assigning administrator roles in Microsoft Entra ID](#)

Role permissions

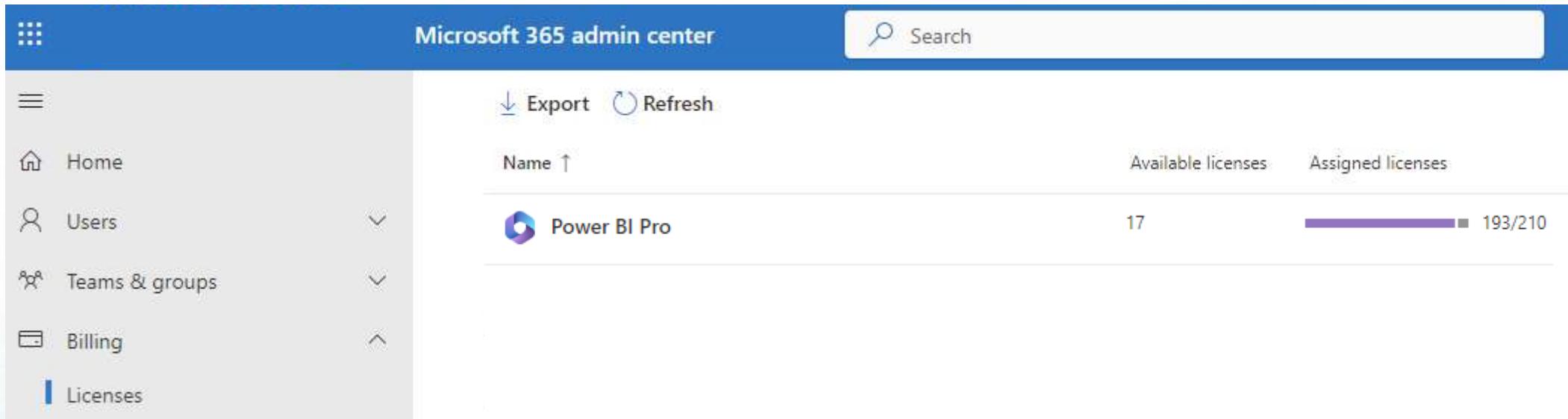
Permission	Description
microsoft.azure.serviceHealth/allEntities/allTasks	Read and configure Azure Service Health
microsoft.azure.supportTickets/allEntities/allTasks	Create and manage Azure support tickets
microsoft.office365.serviceHealth/allEntities/allTasks	Read and configure Service Health in the Microsoft 365 admin center
microsoft.office365.supportTickets/allEntities/allTasks	Create and manage Microsoft 365 service requests

microsoft powerApps powerBI/allEntities/allTasks

Manage all aspects of Power BI

The Fabric Admin Role

- Admins can also **view** license assignments



The screenshot shows the Microsoft 365 admin center interface. The left sidebar has a 'Licenses' item selected. The main area is titled 'Microsoft 365 admin center' and shows a table of license assignments. The table has columns for 'Name' (sorted by name), 'Available licenses', and 'Assigned licenses'. A single row is visible for 'Power BI Pro', showing 17 available licenses and 193 assigned licenses (out of 210).

Name ↑	Available licenses	Assigned licenses
Power BI Pro	17	193/210

Topics

- The Power BI Fabric Admin role
- **Admin portal & Tenant settings**
- Collaboration and sharing
- Power Platform
- Monitoring & Automation

Admin Portal

- Access granted for:
 - Global Admin
 - Power Platform Administrator
 - Fabric Administrator
- Access cannot be delegated

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.

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

Enabled for the entire organization

▷ Sustainability solutions (preview)

Disabled for the entire organization

▷ Retail data solutions (preview)

Disabled for the entire organization

▷ Healthcare data solutions (preview)

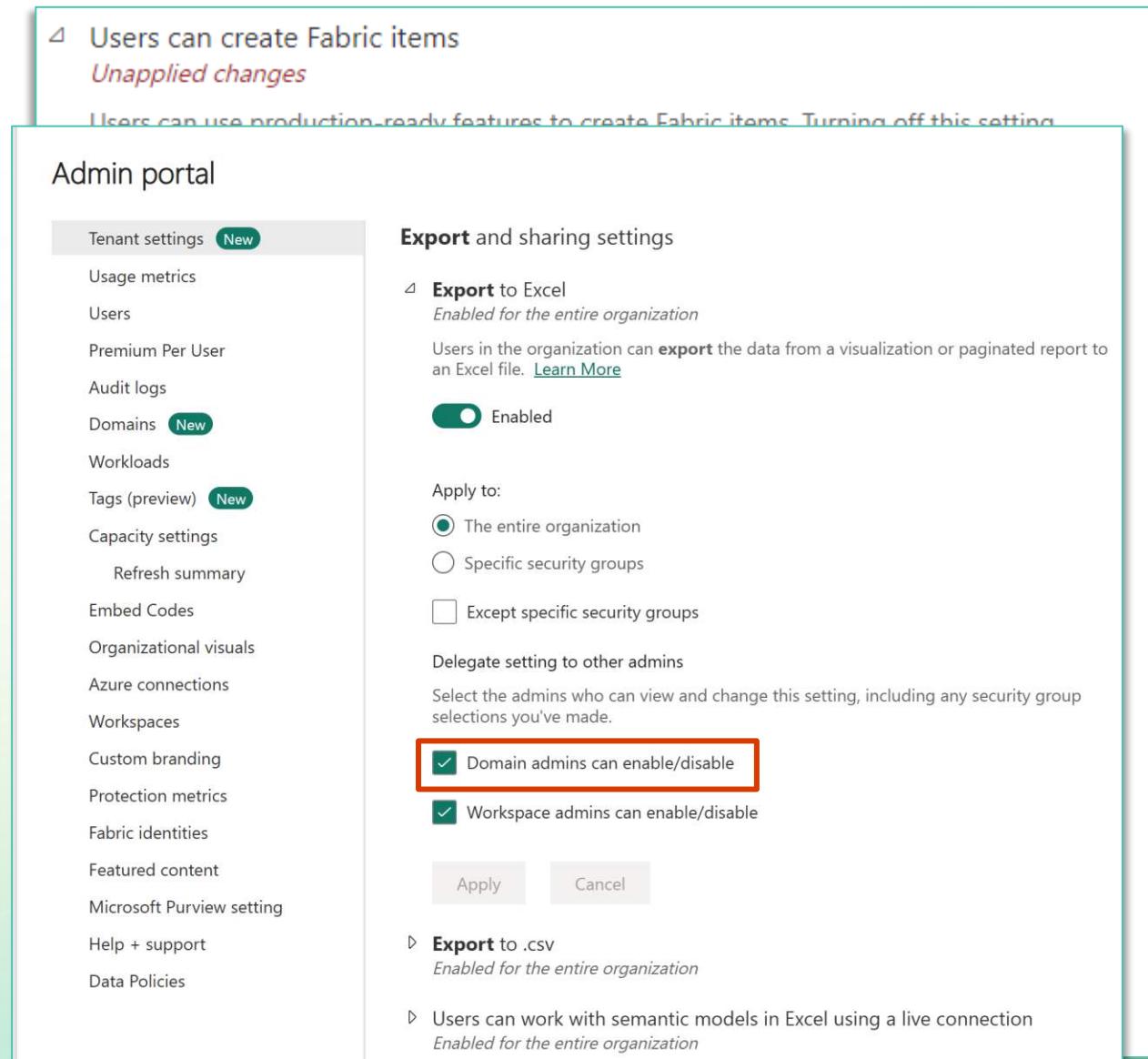
Disabled for the entire organization

▷ Create Eventhouse (preview)

Disabled for the entire organization

Tenant Settings

- Access = Admin Portal
- Controls tenant level operations
- Provides for granular settings
 - Create groups for every setting (you want to customize)



The screenshot shows the 'Admin portal' interface with the 'Tenant settings' tab selected. A callout box highlights the 'Domain admins can enable/disable' and 'Workspace admins can enable/disable' checkboxes, which are both checked and highlighted with a red box. The 'Apply' and 'Cancel' buttons are visible at the bottom of the dialog.

Admin portal

Tenant settings New

- Usage metrics
- Users
- Premium Per User
- Audit logs
- Domains New
- Workloads
- Tags (preview) New
- Capacity settings
- Refresh summary
- Embed Codes
- Organizational visuals
- Azure connections
- Workspaces
- Custom branding
- Protection metrics
- Fabric identities
- Featured content
- Microsoft Purview setting
- Help + support
- Data Policies

Export and sharing settings

Users can create Fabric items
Unapplied changes

Users can use production-ready features to create Fabric items. Turning off this setting

Export to Excel
Enabled for the entire organization

Users in the organization can **export** the data from a visualization or paginated report to an Excel file. [Learn More](#)

Enabled

Apply to:

The entire organization

Specific security groups

Except specific security groups

Delegate setting to other admins

Select the admins who can view and change this setting, including any security group selections you've made.

Domain admins can enable/disable

Workspace admins can enable/disable

Apply Cancel

Export to .csv
Enabled for the entire organization

Users can work with semantic models in Excel using a live connection
Enabled for the entire organization

Tenant Settings

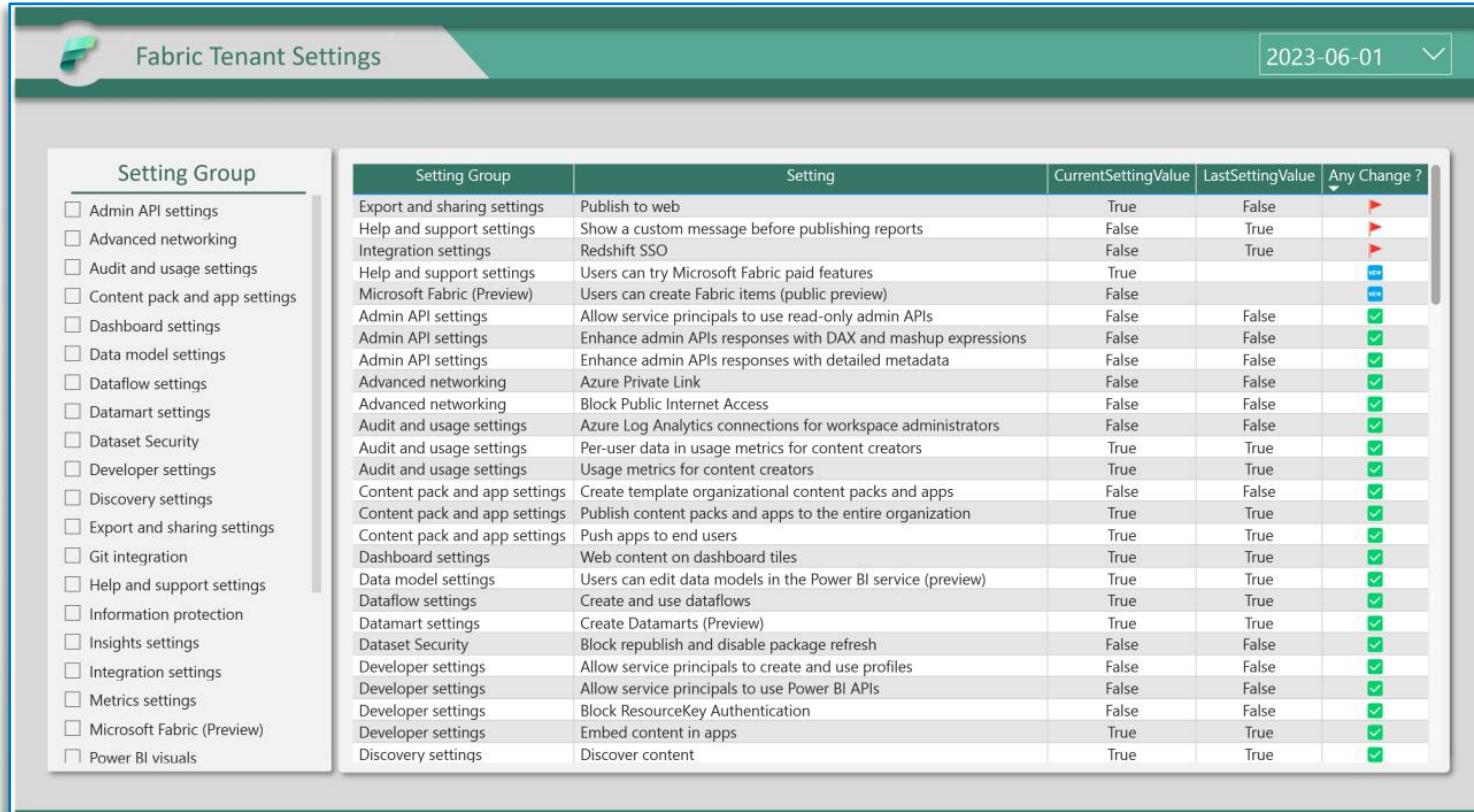
- Document
 - Why, and communicate!
- Manually
- Power Automate Desktop
- **ListTenantSettings API**

	A	B	C	D	E	F
1	Setting Type	Setting	Current Value	Current Value (Icon)		
2	Help and suppo	Publish "G	Disabled for the			
3	Help and suppo	Receive e	Disabled for the			
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

By Kurt Buhler

Fabric Tenant Settings APIs

- **ListTenantSettings**
 - Document settings for audits
 - Tracking changes
 - Share with non-Admin users
- **ListTenantSettingOverrides**
 - Increased visibility and Security
 - Aids in troubleshooting



The screenshot shows a web-based interface titled "Fabric Tenant Settings". At the top right, there is a date field showing "2023-06-01" and a dropdown arrow. The main content area is a table with two columns: "Setting Group" and "Setting". The "Setting Group" column lists various categories such as Admin API settings, Advanced networking, Audit and usage settings, etc. The "Setting" column contains detailed descriptions of each setting. The table also includes columns for "CurrentSettingValue", "LastSettingValue", and "Any Change ?". A vertical scroll bar is visible on the right side of the table.

Setting Group	Setting	CurrentSettingValue	LastSettingValue	Any Change ?
Export and sharing settings	Publish to web	True	False	▶
Help and support settings	Show a custom message before publishing reports	False	True	▶
Integration settings	Redshift SSO	False	True	▶
Help and support settings	Users can try Microsoft Fabric paid features	True		NEW
Microsoft Fabric (Preview)	Users can create Fabric items (public preview)	False		NEW
Admin API settings	Allow service principals to use read-only admin APIs	False	False	✓
Admin API settings	Enhance admin APIs responses with DAX and mashup expressions	False	False	✓
Admin API settings	Enhance admin APIs responses with detailed metadata	False	False	✓
Advanced networking	Azure Private Link	False	False	✓
Advanced networking	Block Public Internet Access	False	False	✓
Audit and usage settings	Azure Log Analytics connections for workspace administrators	False	False	✓
Audit and usage settings	Per-user data in usage metrics for content creators	True	True	✓
Audit and usage settings	Usage metrics for content creators	True	True	✓
Content pack and app settings	Create template organizational content packs and apps	False	False	✓
Content pack and app settings	Publish content packs and apps to the entire organization	True	True	✓
Content pack and app settings	Push apps to end users	True	True	✓
Dashboard settings	Web content on dashboard tiles	True	True	✓
Data model settings	Users can edit data models in the Power BI service (preview)	True	True	✓
Dataflow settings	Create and use dataflows	True	True	✓
Datamart settings	Create Datamarts (Preview)	True	True	✓
Dataset Security	Block republish and disable package refresh	False	False	✓
Developer settings	Allow service principals to create and use profiles	False	False	✓
Developer settings	Allow service principals to use Power BI APIs	False	False	✓
Developer settings	Block ResourceKey Authentication	False	False	✓
Developer settings	Embed content in apps	True	True	✓
Discovery settings	Discover content	True	True	✓

Source: [Microsoft Fabric Monitoring Tenant Settings](#) by [Romain Casteres | LinkedIn](#)

Tenant Settings

- Document
 - Why and communicate!
- Change notification
 - Set up [email alerts](#) when a setting is changed with Defender for Cloud Apps

Tenant Settings

- Document
 - Why and communicate!
- Change notification
 - Set up [email alerts](#) when

Admin notification for new activity policy match

A new match was detected for your 'Power BI - Administrative Activity' policy.

Activity: Update admin feature switch: PowerBI Admin Feature
CertifyDatasets; Parameters: property **Switch State False**
App: Microsoft Power BI
Client IP address: 165.225.13.72
Client location: Belgium
Client device: Windows 10
User: Admin - Van Vroenhoven, N.V. (Nicky)
(adm_vanvroen@)
Alert ID: 62913c328525e3473469c391

[>> Review this alert](#)

Explore more options:

[>> Investigate other activities from this user](#)
[>> Investigate other activities from this IP address](#)

This email was sent to you because a policy was set to alert you when new matches are detected. [Update policy settings](#)

Thanks, Microsoft Defender for Cloud Apps

Tenant Settings

Check the defaults:

- Some are on by default, some are off
- Follow company policy
- *Export and sharing settings*

Export and sharing settings	
▷ Allow Azure Active Directory guest users to access Power BI	<i>Enabled for the entire organization</i>
▷ Invite external users to your organization	<i>Enabled for the entire organization</i>
▷ Allow Azure Active Directory guest users to edit and manage content in the organization	<i>Disabled for the entire organization</i>
▷ Show Azure Active Directory guests in lists of suggested people	<i>Enabled for the entire organization</i>
▷ Publish to web	 <i>Enabled for the entire organization</i>
▷ Copy and paste via	<i>Enabled for the entire organization</i>
▷ Export to Excel	<i>Enabled for the entire organization</i>
▷ Export to .csv	<i>Enabled for the entire organization</i>
▷ Download reports	<i>Enabled for the entire organization</i>
▷ Users can work with	<i>Enabled for the entire organization</i>
▷ Export reports as P	<i>Enabled for the entire organization</i>
▷ Export reports as M	<i>Enabled for the entire organization</i>
▷ Export reports as V	<i>Enabled for the entire organization</i>
▷ Export reports as X	<i>Enabled for the entire organization</i>
▷ Export reports as I	<i>Enabled for the entire organization</i>
▷ Allow shareable links to grant access to everyone in your organization	<i>Enabled for the entire organization</i>
▷ Enable Microsoft Teams integration in the Power BI service	<i>Enabled for the entire organization</i>
▷ Install Power BI app for Microsoft Teams automatically	<i>Enabled for the entire organization</i>
▷ Enable Power BI add-in for PowerPoint	<i>Enabled for the entire organization</i>
▷ Allow DirectQuery connections to Power BI datasets	<i>Enabled for the entire organization</i>
▷ Guest users can work with shared datasets in their own tenants	<i>Disabled for the entire organization</i>
▷ Allow specific users to turn on external data sharing	<i>Enabled for the entire organization</i>

Topics

- The ~~Power BI~~ Fabric Admin role
- Admin portal & Tenant settings
- **Collaboration and sharing**
- Power Platform
- Monitoring & Automation

Collaboration and sharing

- Domains
- Workspaces
 - **My Workspace**
- Apps

It's called **My Workspace** for a reason!

- It's for **personal** use only
 - Rather: create a shared workspace [Nicky's workspace]
- Released in 2023:
 - [My workspace governance improvements](#)
 - Fabric Admins can now add (and remove) themselves as admin of [My workspace]
 - Exposed via Activity Log: **AddAdminPersonalWorkspaceAccess**

Topics

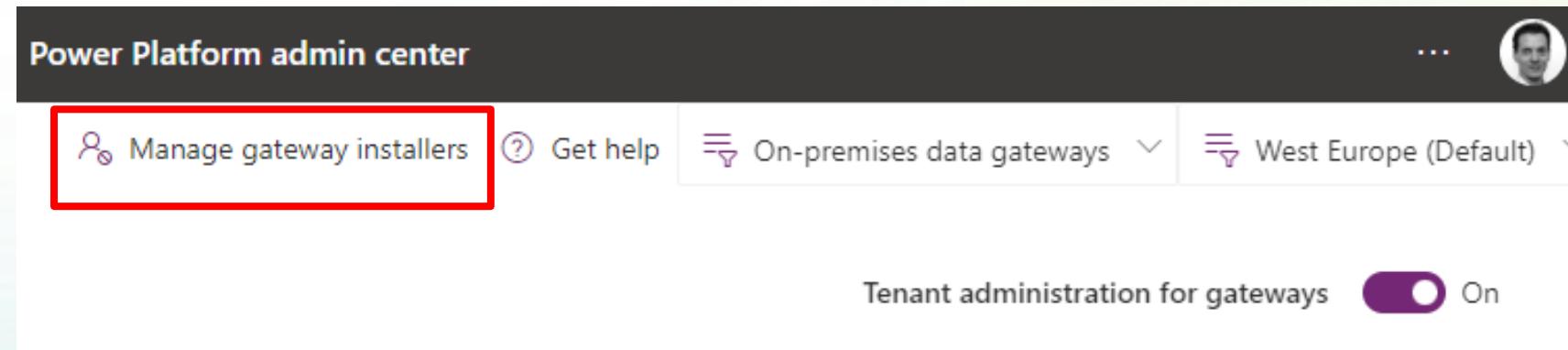
- The ~~Power BI~~ Fabric Admin role
- Admin portal & Tenant settings
- Collaboration and sharing
- **Power Platform**
- Monitoring & Automation

Why Power Platform?

- Power Platform Admin access
- Use cases for automation or integration
 - Write-back in Power BI
 - Start a Flow with a button in Power BI
 - Dataflow refresh completes > Power BI refresh
- Data Loss Prevention Policies

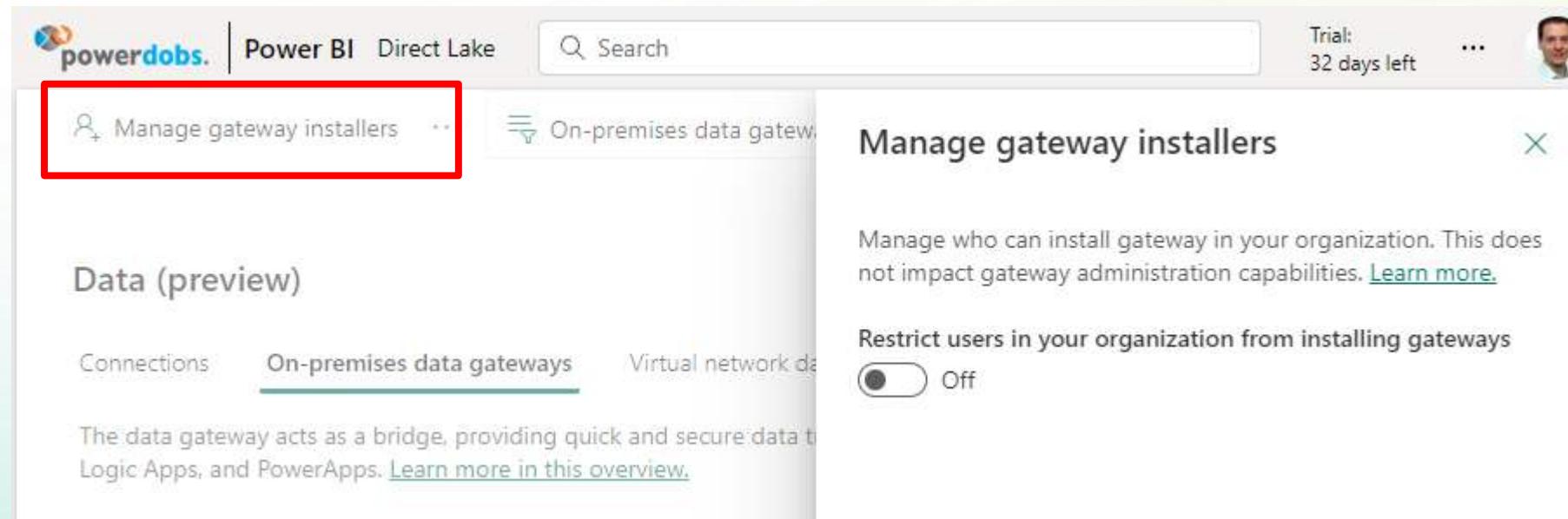
Power Platform Admin Center

- Restricted access for Fabric Admins



Power Platform Admin Center

- Restricted access for Fabric Admins
- Gateway & data source management (now also in Fabric)



The screenshot shows the Power Platform Admin Center interface. At the top, there is a navigation bar with the 'powerdobs.' logo, 'Power BI' and 'Direct Lake' tabs, a search bar, a trial status ('Trial: 32 days left'), and a user profile icon. Below the navigation bar, there are several menu items: 'Connections', 'On-premises data gateways' (which is underlined, indicating it is the active tab), and 'Virtual network data'. A red box highlights the 'Manage gateway installers' button. On the right, a modal window titled 'Manage gateway installers' is open. It contains the text: 'Manage who can install gateway in your organization. This does not impact gateway administration capabilities.' followed by a link 'Learn more.' Below this, there is a section titled 'Restrict users in your organization from installing gateways' with a toggle switch set to 'Off'.

Power Platform Admin Center

- Restricted access for Fabric Admins
- Gateway & data source management (now also in Fabric)
- Data Loss Prevention Policy

Power Platform admin center

DLP Policies > Edit Policy

Policy name
Default DLP Policy

Prebuilt connectors

Custom connectors

Assign connectors ⓘ

Business (54) Non-business (1164) | Default Blocked (0)

Connectors for sensitive data. Connectors in this group can't share data with connectors in other groups.

Topics

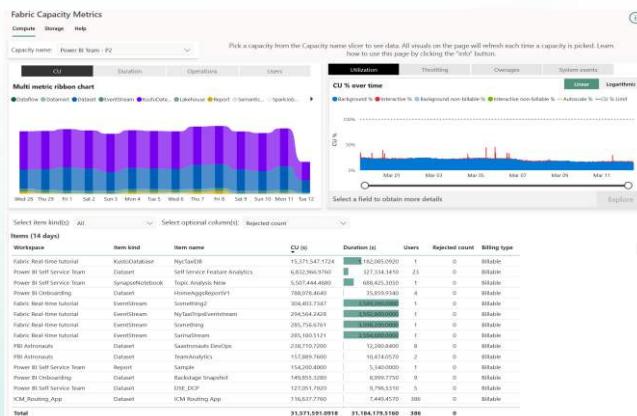
- The ~~Power BI~~ Fabric Admin role
- Admin portal & Tenant settings
- Collaboration and sharing
- Power Platform
- **Monitoring & Automation**

Monitoring scenarios in Fabric (out-of-the-box)



Consumption & Resource Utilization

Monitor capacities and
optimize/allocate consumption

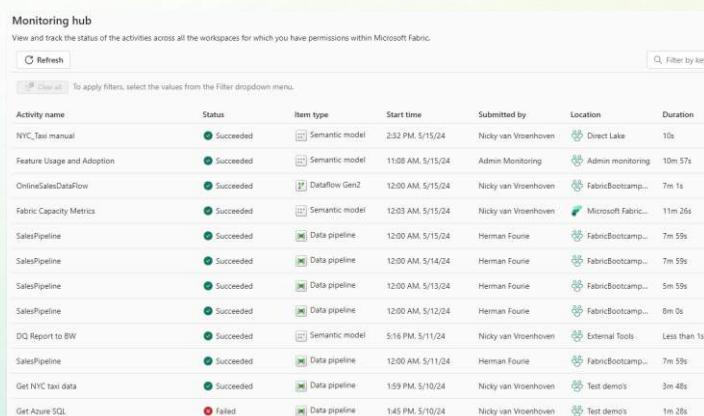


Capacity Metrics App



Jobs Monitoring

Manage jobs across my Fabric artifacts



Fabric Monitoring Hub



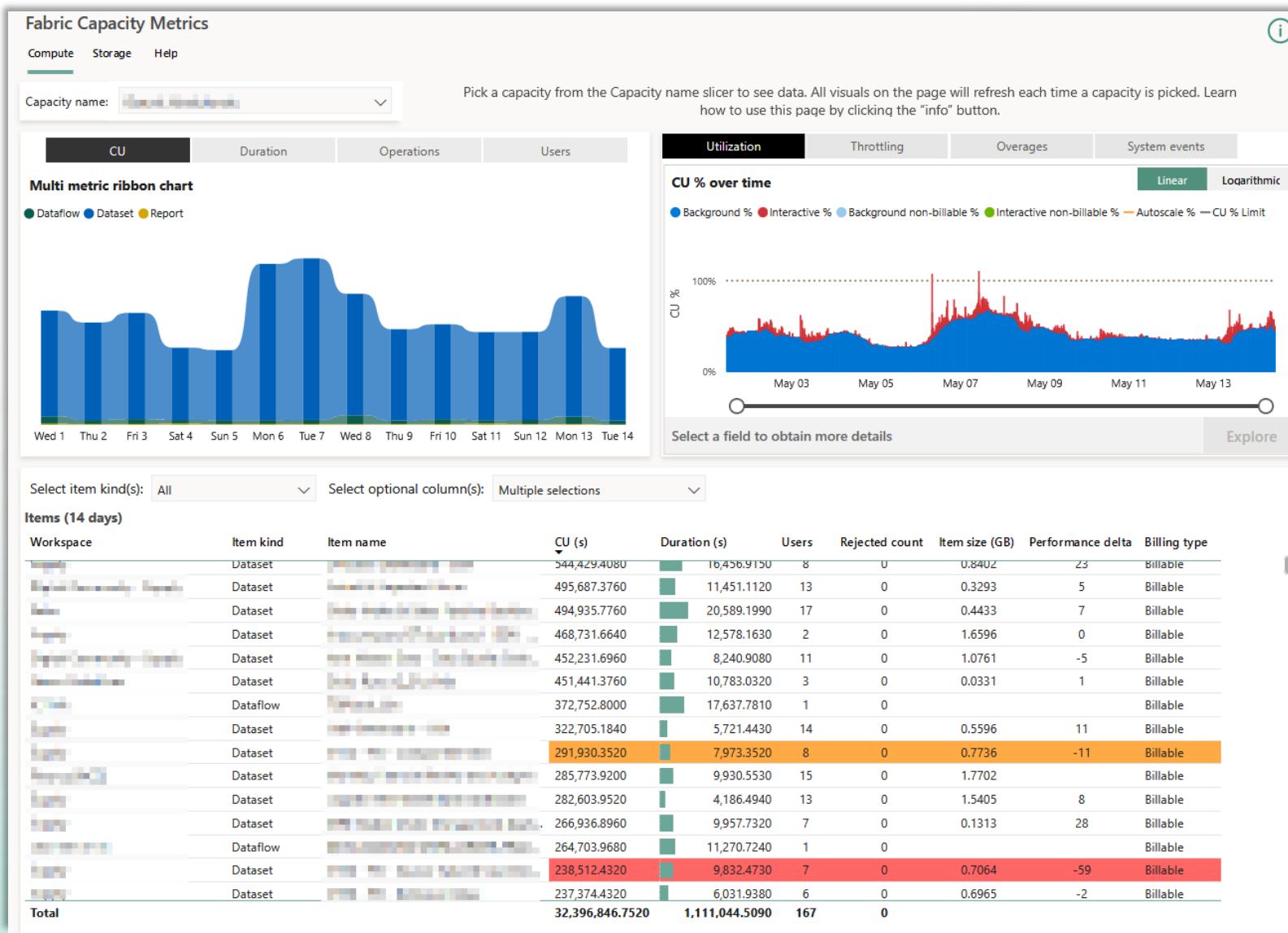
Usage, Adoption & Performance

Monitor overall Fabric health and track performance of data assets across the system

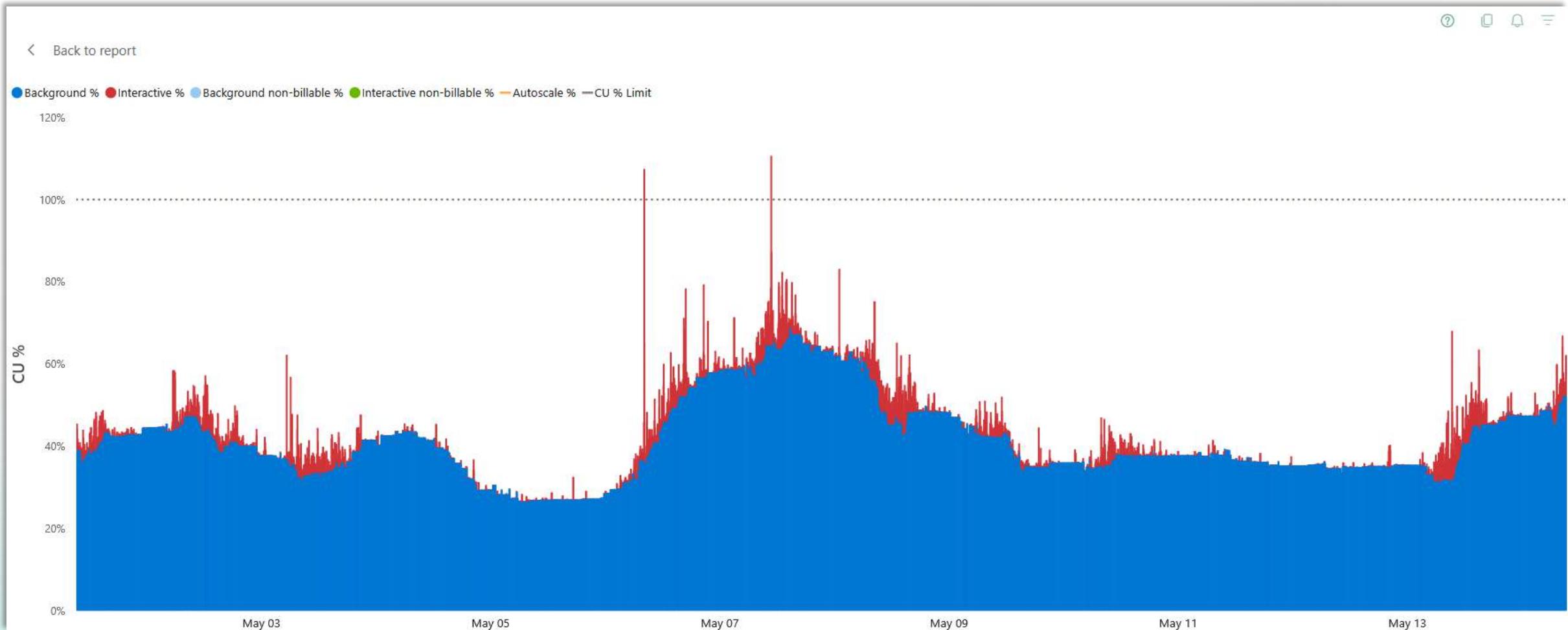


Admin Monitoring

Capacity Metrics App



Capacity Metrics App



Capacity Metrics App

Fabric Capacity Metrics

Start: 5/7/2024 10:52:00 AM End: 5/7/2024 10:52:30 AM

CU % Limit: 

807 Interactive operations, 3106 Background operations, P1 SKU, 1920 CU (s)

Interactive operations for timerange

Workspace	Item kind	Item name	Operation	Start	End	Status	User	Duration (s)	Total CU (s)	Timepoint CU (s)	Throttling (s)	% of Base capacity	Billing type
Finance	Dataset	PHASING	Query	5/7/2024 10:50:22 ...	5/7/2024 10:50:23 ...	Success	Sa...	5	273.0240	27.3024	0	1.42%	Billable
Finance	Dataset	PHASING	Query	5/7/2024 10:51:20 ...	5/7/2024 10:51:21 ...	Success	Sa...	7	262.5120	26.2512	0	1.37%	Billable
Project Exec...	Dataset	B12	Query	5/7/2024 10:51:46 ...	5/7/2024 10:51:47 ...	Success	Ric...	15	245.4880	24.5488	0	1.28%	Billable
Finance	Dataset	PHASING	Query	5/7/2024 10:51:00 ...	5/7/2024 10:51:01 ...	Success	Sa...	3	224.0160	22.4016	0	1.17%	Billable
Project Exec...	Dataset	B12	Query	5/7/2024 10:47:48 ...	5/7/2024 10:47:49 ...	Success	Ric...	6	221.0400	22.1040	0	1.15%	Billable
Finance	Dataset	PHASING	Query	5/7/2024 10:50:54 ...	5/7/2024 10:50:56 ...	Success	Sa...	4	220.7520	22.0752	0	1.15%	Billable
Finance	Dataset	PHASING	Query	5/7/2024 10:50:56 ...	5/7/2024 10:50:57 ...	Success	Sa...	3	219.5040	21.9504	0	1.14%	Billable
Project Exec...	Dataset	B12	Query	5/7/2024 10:47:41 ...	5/7/2024 10:47:42 ...	Success	Ric...	13	213.0400	21.3040	0	1.11%	Billable
Finance	Dataset	PHASING	Query	5/7/2024 10:51:04 ...	5/7/2024 10:51:06 ...	Success	Sa...	5	195.0240	19.5024	0	1.02%	Billable
Project Exec...	Dataset	B12	Query	5/7/2024 10:47:26 ...	5/7/2024 10:47:27 ...	Success	Ric...	7	194.4960	19.4496	0	1.01%	Billable
Total								192	8,854.2080	885.4208	0	46.12%	

Background operations for timerange

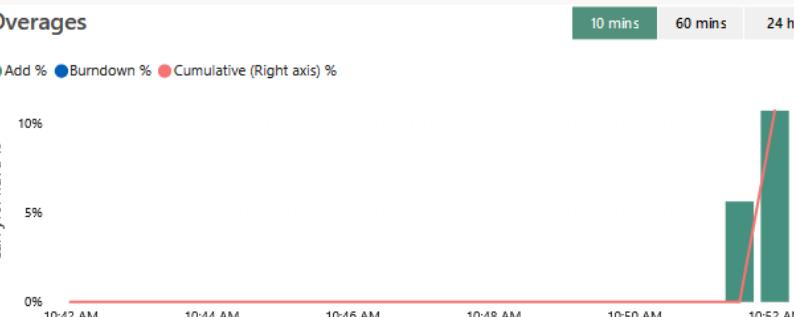
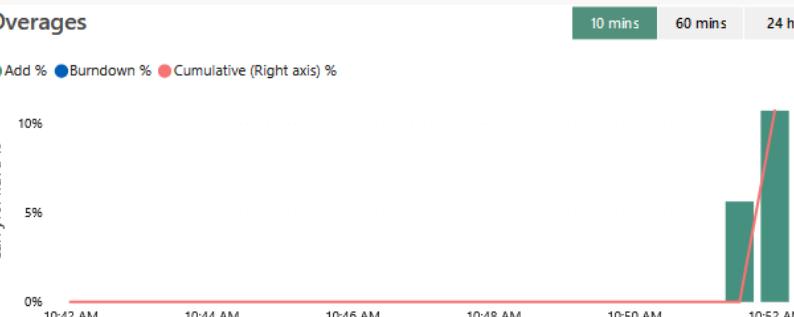
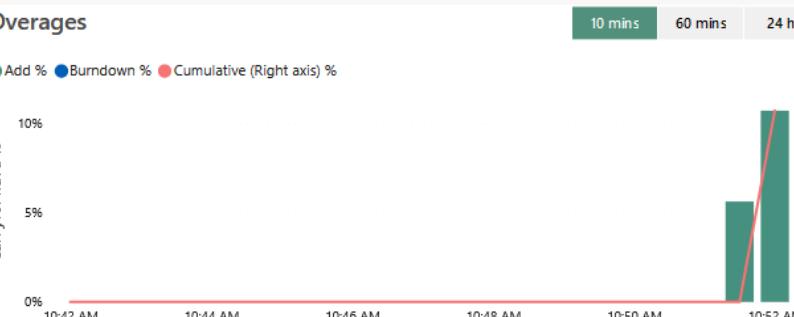
Workspace	Item kind	Item name	Operation	Start	End	Status	User	Duration (s)	Total CU (s)	Timepoint CU (s)	Throttling (s)	% of Base capacity	Billing type
Spare Parts	Dataset	GSP Dat...	Dataset On-D...	5/7/2024 8:29:52 AM	5/7/2024 9:17:06 AM	Failure	Ra...	2,834	116,276.7520	40.3739	0	2.10%	Billable
Spare Parts	Dataset	GSP Dat...	Dataset Sched...	5/7/2024 5:01:13 AM	5/7/2024 5:34:36 AM	Success	Jel...	2,003	102,218.2560	35.4925	0	1.85%	Billable
Spare Parts	Dataset	GSP Dat...	Dataset Sched...	5/7/2024 3:30:12 AM	5/7/2024 3:56:09 AM	Success	Jel...	1,556	93,702.4960	32.5356	0	1.69%	Billable
Spare Parts...	Dataset	GSP Dat...	Dataset Sched...	5/7/2024 5:01:08 AM	5/7/2024 5:35:34 AM	Success	Jel...	2,066	91,852.7520	31.8933	0	1.66%	Billable
Finance	Dataset	DEVIATI...	Dataset Sched...	5/7/2024 6:31:35 AM	5/7/2024 7:21:28 AM	Success	Ba...	2,992	87,877.5040	30.5130	0	1.59%	Billable
Finance	Dataset	DEVIATI...	Dataset Sched...	5/6/2024 2:31:06 PM	5/6/2024 3:17:17 PM	Success	Ba...	2,770	80,500.0000	27.9514	0	1.46%	Billable
Finance	Dataset	PHASING	Dataset Sched...	5/7/2024 6:03:07 AM	5/7/2024 6:51:04 AM	Success	Ba...	2,877	77,010.7520	26.7398	0	1.39%	Billable
Finance	Dataset	DEVIATI...	Dataset Sched...	5/6/2024 10:31:19 AM	5/6/2024 11:13:22 ...	Success	Ba...	2,523	74,655.0080	25.9219	0	1.35%	Billable
Finance	Dataset	DEVIATI...	Dataset Sched...	5/6/2024 12:31:21 PM	5/6/2024 1:12:36 PM	Success	Ba...	2,475	74,482.7520	25.8621	0	1.35%	Billable
Finance	Dataset	PHASING	Dataset On-D...	5/6/2024 11:03:40 AM	5/6/2024 11:50:19 ...	Success	Ru...	2,798	73,128.7520	25.3919	0	1.32%	Billable
Total								117,663	3,569,820.4...	1,239.5210	0	64.56%	

Burndown table for timerange

Experience	Add %	Burndown %	Cumulative %	Minutes to burndown
AS	10.50%	0.00%	5.51%	0.03
CDSA	0.14%	0.00%	0.08%	0.00
ScreenshotEngine	0.03%	0.00%	0.02%	0.00
Total	10.67%	0.00%	5.61%	0.03

Oversages

10 mins, 60 mins, 24 hrs

Add %:  Burndown %:  Cumulative (Right axis) %: 

powerdobs
NickyV.com

Monitoring & automation

- Monitoring

Monitoring hub

View and track the status of the activities across all the workspaces for which you have permissions within Microsoft Fabric.

Refresh Clear all To apply filters, select the values from the Filter dropdown menu.

Activity name	Status	Item type	Start time	Submitted by	Location	Duration	Filter
NYC_Taxi manual	✓ Succeeded	⋮ Semantic model	2:32 PM, 5/15/24	Nicky van Vroenhoven	👤 Direct Lake	10s	<input type="checkbox"/> Cancelled
Feature Usage and Adoption	✓ Succeeded	⋮ Semantic model	11:08 AM, 5/15/24	Admin Monitoring	👤 Admin monitoring	10m 57s	<input type="checkbox"/> Succeeded
OnlineSalesDataFlow	✓ Succeeded	>Dataflow Gen2	12:00 AM, 5/15/24	Nicky van Vroenhoven	👤 FabricBootcamp...	7m 1s	<input type="checkbox"/> Failed
Fabric Capacity Metrics	✓ Succeeded	⋮ Semantic model	12:03 AM, 5/15/24	Nicky van Vroenhoven	👤 Microsoft Fabric...	11m 26s	<input type="checkbox"/> In progress
SalesPipeline	✓ Succeeded	>Data pipeline	12:00 AM, 5/15/24	Herman Fourie	👤 FabricBootcamp...	7m 59s	<input type="checkbox"/> Not started
SalesPipeline	✓ Succeeded	>Data pipeline	12:00 AM, 5/14/24	Herman Fourie	👤 FabricBootcamp...	7m 59s	<input type="checkbox"/> Unknown
SalesPipeline	✓ Succeeded	>Data pipeline	12:00 AM, 5/13/24	Herman Fourie	👤 FabricBootcamp...	5m 59s	<input type="checkbox"/> Item type
SalesPipeline	✓ Succeeded	>Data pipeline	12:00 AM, 5/12/24	Herman Fourie	👤 FabricBootcamp...	8m 0s	<input type="checkbox"/> Start time
DQ Report to BW	✓ Succeeded	⋮ Semantic model	5:16 PM, 5/11/24	Nicky van Vroenhoven	👤 External Tools	Less than 1s	<input type="checkbox"/> Submitted by
SalesPipeline	✓ Succeeded	>Data pipeline	12:00 AM, 5/11/24	Herman Fourie	👤 FabricBootcamp...	7m 59s	<input type="checkbox"/> Location
Get NYC taxi data	✓ Succeeded	>Data pipeline	1:59 PM, 5/10/24	Nicky van Vroenhoven	👤 Test demo's	3m 48s	<input type="checkbox"/> N/A
Get Azure SQL	✗ Failed	>Data pipeline	1:45 PM, 5/10/24	Nicky van Vroenhoven	👤 Test demo's	1m 28s	<input type="checkbox"/> N/A

Filter by keyword

Apply Clear all

Status

- Cancelled
- Succeeded
- Failed
- In progress
- Not started
- Unknown

Item type

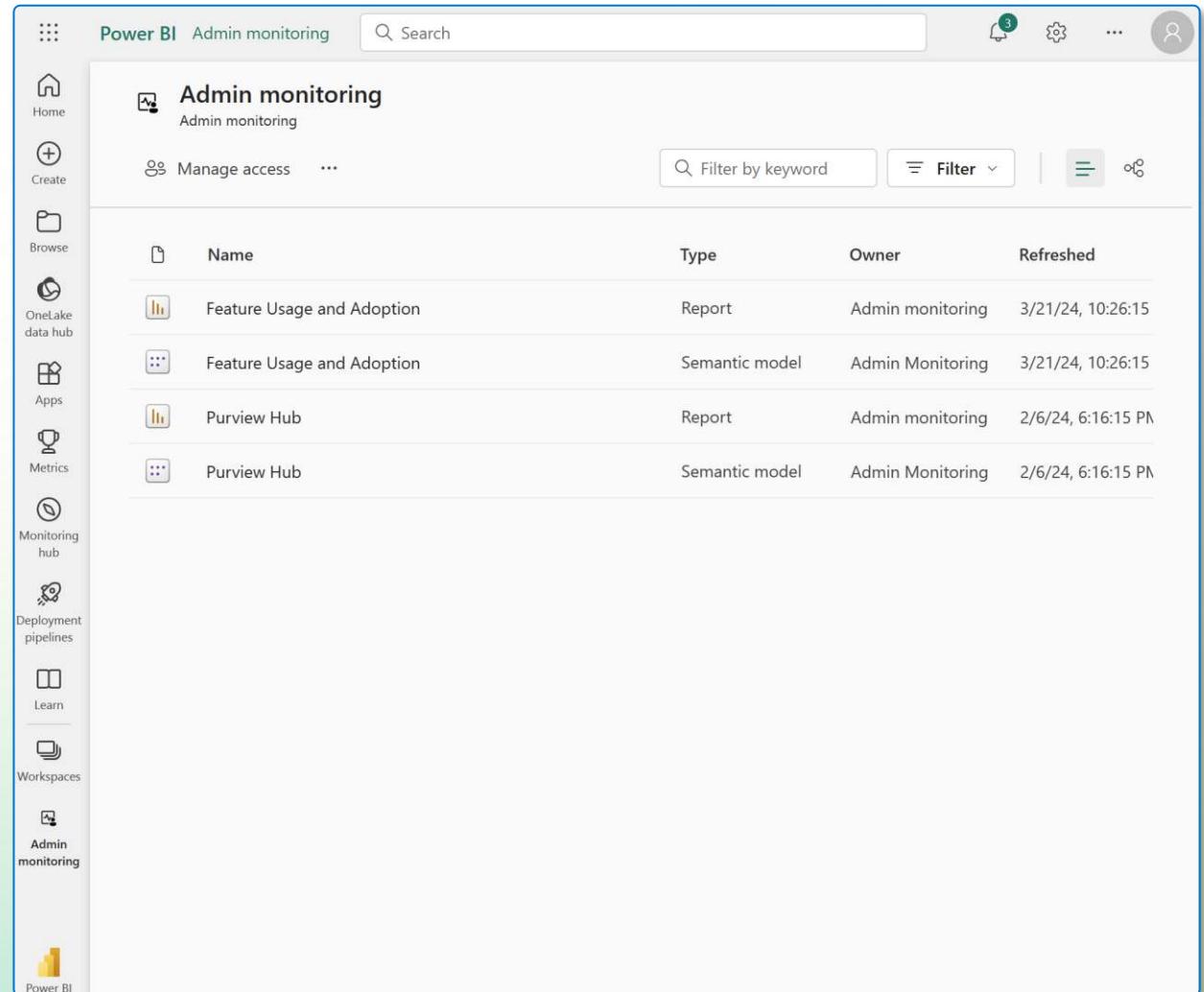
Start time

Submitted by

Location

Admin Monitoring (Preview)

Out-of-the box insights for Fabric admins for effective governance



The screenshot shows the Power BI Admin monitoring interface. The left sidebar includes links for Home, Create, Browse, OneLake data hub, Apps, Metrics, Monitoring hub, Deployment pipelines, Learn, Workspaces, Admin monitoring, and Power BI. The main content area is titled "Admin monitoring" and shows a list of items with columns for Name, Type, Owner, and Refreshed. The items listed are:

Name	Type	Owner	Refreshed
Feature Usage and Adoption	Report	Admin monitoring	3/21/24, 10:26:15
Feature Usage and Adoption	Semantic model	Admin Monitoring	3/21/24, 10:26:15
Purview Hub	Report	Admin monitoring	2/6/24, 6:16:15 PM
Purview Hub	Semantic model	Admin Monitoring	2/6/24, 6:16:15 PM

Admin Monitoring (Preview)

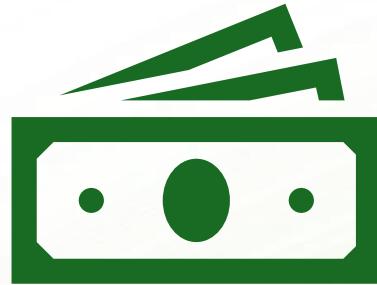
What's Available Now?

- **Feature usage & adoption report** - Target governance & compliance:
 - ✓ Top-down 28-day snapshot view
 - ✓ Fabric adoption trends
- **Purview hub report** - Track endorsement & sensitivity labels in Fabric
 - ✓ Drive adoption for information protection & endorsement certifications
- **Semantic model** - Optimized for reuse and flexibility
 - ✓ Metadata Dimensions
 - ✓ Fact tables
 - ✓ Ability to bring in additional data

What's next?

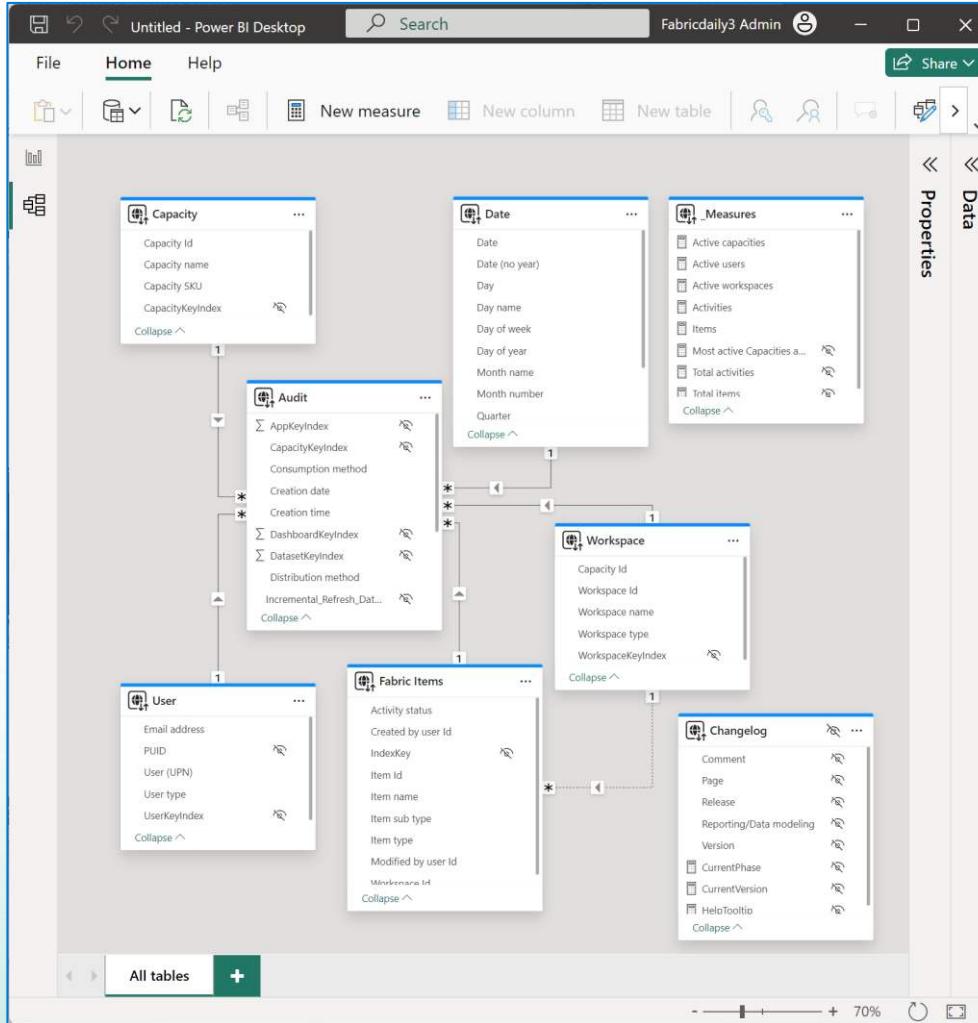
- More Insights
 - ✓ Content sharing insights (private preview)
 - ✓ Tenant-level report usage insights
 - ✓ Who has access to what
 - ✓ Item inventory report – size, utilization, job/refresh metrics and data lineage
- Increased Retention
- Capacity metrics in Admin monitoring

Admin Monitoring



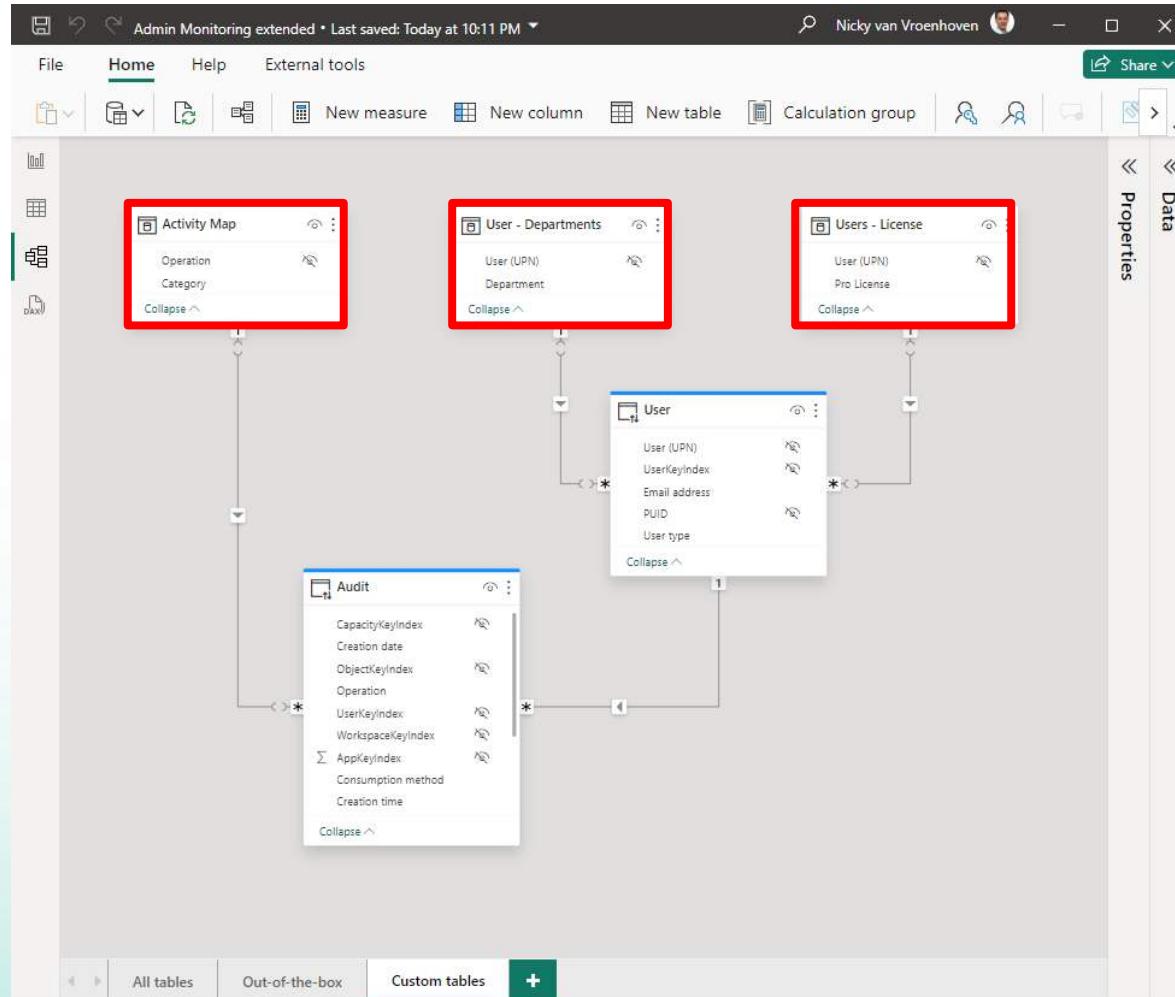
Manage licenses and associated costs

Default semantic model



Data model is reusable and extendable for custom reporting

Custom semantic model



Custom tables:

- Activity Map
- Departments
- Licenses

Monitoring & automation - manual

REST API's

- Power BI & Fabric
- Enhanced visibility into user access and permission levels
- Retrieve user and permission information for most Fabric assets

CLI

- Fabric Command Line Interface

See usage examples:

- [Managing Capacities](#)
- [Managing Connections](#)
- [Managing Gateways](#)
- [Managing Domains](#)
- [Managing Workspaces](#)
- [Managing External Data Shares](#)
- [Managing Managed Identities](#)
- [Managing Managed Private Endpoints](#)
- [Managing Spark Pools](#)
- [Managing Items](#)
- [Managing OneLake Files and Folders](#)
- [Managing Shortcuts](#)

fab acl

Manage permissions.

```
$ fab acl [subcommand] <path> [flags]
```

Manual monitoring - GetActivityEvents API

Designed for Fabric Admins to track user activities for governance and management purposes.

Main use cases are:

- ✓ Audit and compliance tracking
- ✓ Security Monitoring
- ✓ Usage and Adoption Insights
- ✓ Optimization and Cost Management

Retention is 30 days:

so start collecting your data!

Filter by title

Overview

Admin

- Overview
- Add Power BI Encryption Key
- Apps GetAppUsersAsAdmin
- Apps GetAppsAsAdmin
- Capacities AssignWorkspacesToCapacity
- Capacities GetCapacityUsersAsAdmin
- Capacities
- UnassignWorkspacesFromCapacity
- Dashboards
- GetDashboardSubscriptionsAsAdmin
- Dashboards
- GetDashboardUsersAsAdmin
- Dashboards GetDashboardsAsAdmin
- Dashboards
- GetDashboardsInGroupAsAdmin
- Dashboards GetTilesAsAdmin
- Dataflows ExportDataflowAsAdmin
- Dataflows
- GetDataflowDatasourcesAsAdmin
- Dataflows GetDataflowUsersAsAdmin
- Dataflows GetDataflowsAsAdmin
- Dataflows
- GetDataflowsInGroupAsAdmin
- Dataflows
- GetUpstreamDataflowsInGroupAsAdmin
- Datasets
- GetDatasetToDataflowsLinksInGroupAsAdmin
- Datasets GetDatasetUsersAsAdmin
- Datasets GetDatasetsAsAdmin

Download PDF

earn.microsoft.com/en-us/rest/.../get-activity-eve...

Get audit activity events within a time window and for a specific activity type and user ID example

Get audit activity events within a time window and for a specific activity type example

Get audit activity events within a time window and for a specific user ID example

Get audit activity events within a time window example

Get the next set of audit activity events by sending the continuation token to the API example

Get audit activity events within a time window and for a specific activity type and user ID example

Sample Request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/activityevents?startDateTime='2019-08-13T07:55:00.000Z'&endDateTime='2019-08-13T08:55:00.000Z'&$filter=Activity eq 'viewreport' and UserId eq 'john@contoso.com'
```

Sample Response

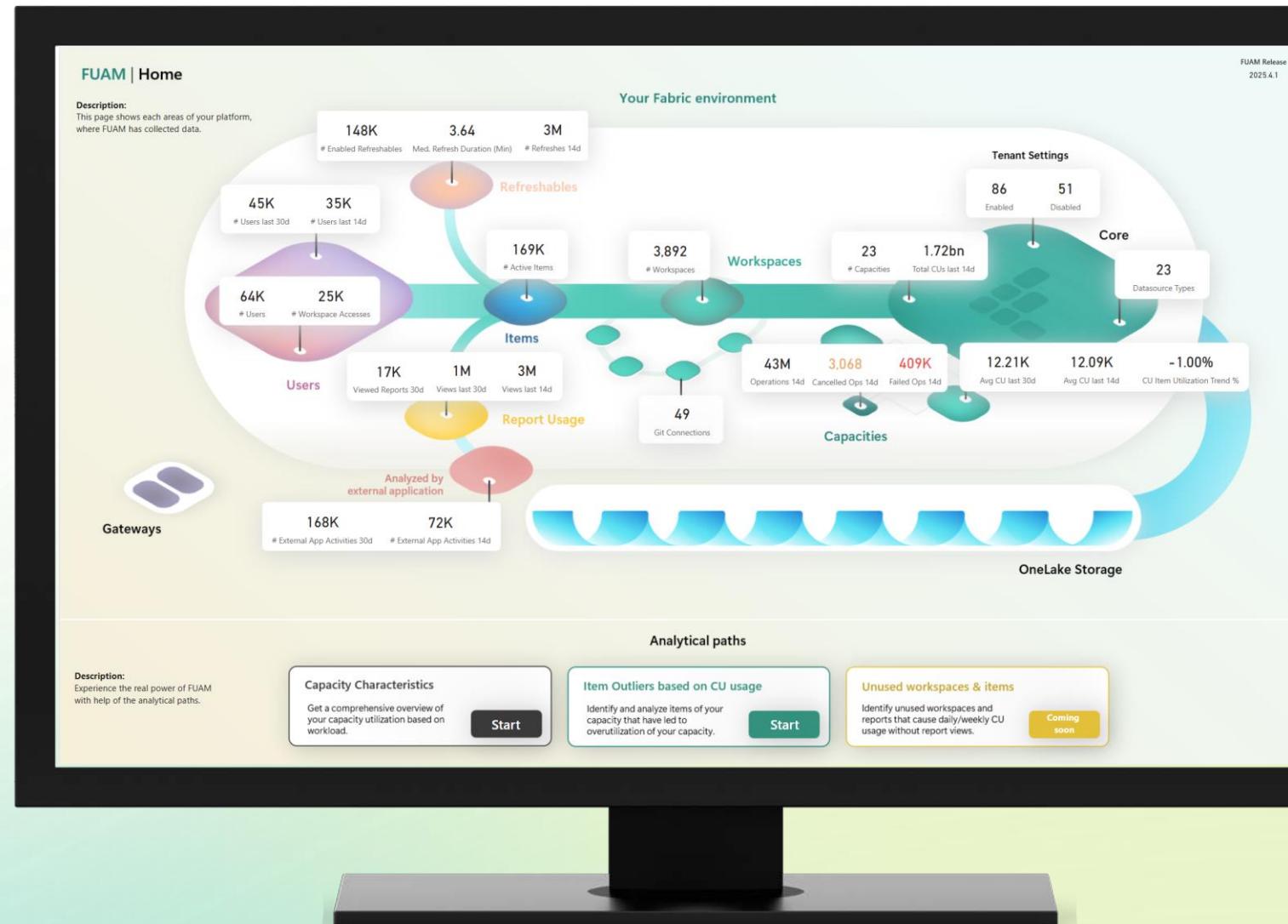
Status code: 200

JSON

```
{
  "activityEventEntities": [
    {
      "Id": "8fb974dc-739e-41e4-a219-b5801e28095e",
      "RecordType": 20,
      "CreationTime": "2023-05-23T08:06:47",
      "Operation": "GetSnapshots",
      "OrganizationId": "98c45f19-7cac-4002-8702-97d943a5ccb4",
      "UserId": "abc@contoso.onmicrosoft.com",
      "UserKey": "10033FFF8929F27A",
      "Workload": "PowerBI",
      "ClientIP": "185.175.34.186",
      "UserAgent": "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/103.0.5062.126 Safari/537.36",
      "Activity": "GetSnapshots",
      "IsSuccess": true,
      "RequestId": "ee4ab5af1-9aa3-34fe-a163-7b188e865ef1",
      "ActivityId": "cc1db5c9-ca04-484e-a6f2-f21de20bc000"
    }
  ]
}
```

Manual monitoring - Scanner APIs

- Read-only APIs used to scan full metadata including item identity, owner, workspace, sensitivity label, endorsement, lineage, etc.
- Robust enterprise capabilities like authentication using **service principal** and **incremental scans**
- Main use cases:
 - ✓ **Inventory Management:** Discover and catalog workspaces and items
 - ✓ **Security and Compliance Auditing:** Scan and analyze access permissions, sharing settings, and compliance status
 - ✓ **External Integration:** Used for 1st party and 3rd party governance tool integration



[FUAM on GitHub](#)

Manual monitoring - FUAM

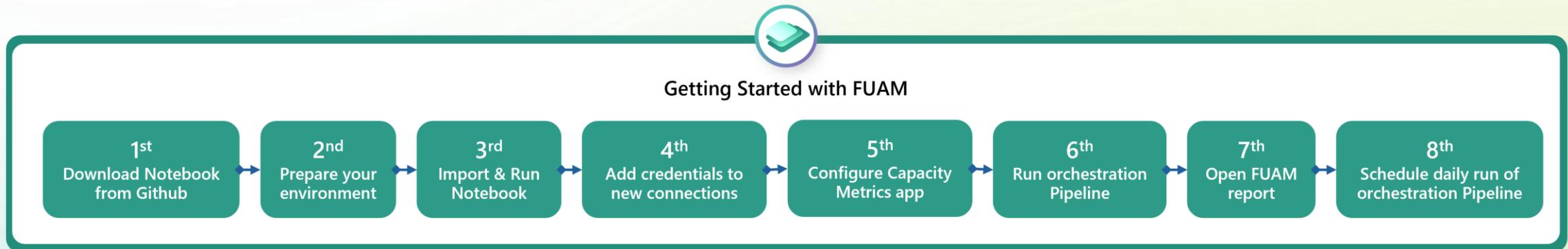


- **Fabric Unified Admin Monitoring**
- Solution accelerator for Fabric platform admin monitoring
- Integrates and extends existing monitoring items
- Build with pipelines and notebooks

Manual monitoring - FUAM

Getting started:

- Fabric Administrator rights
- Service Principal
- [How to deploy FUAM](#)



Call To Action

- Go through, export, and document your Tenant settings
- Get started with monitoring your environment
 - Extract your Activity log
 - Check your Capacity Metrics App
 - Check the Admin Monitoring workspace
 - With Fabric: Setup FUAM

Thank you!



Unit Lead Fabric & Power BI



/nicky-van-vroenhoven



/NickyvV



nickyvv.com



/in/nickyvanvroenhoven



Data Platform MVP