

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

Nicky van Vroenhoven

bit.ly/adminpbi





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Typical tasks of an admin

- Tenant settings
- Workspace creation
- Gateways & data sources
- Auditing & monitoring
- Premium capacity
- Desktop software
- (Usage of) Licensing
- Integration w/ 365 apps
- Power Platform integrations
- Power BI Report Server
- Training users
- General branding/theming guidelines
- Fabric Adoption
- Fabric Community/CoE
- ...

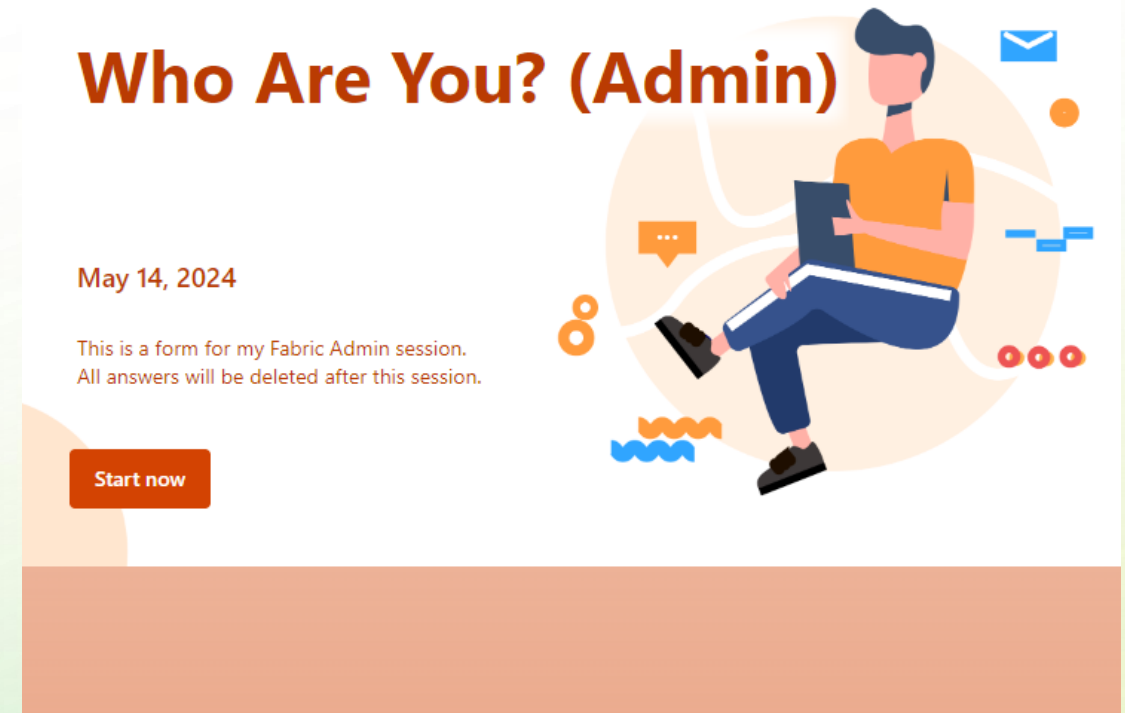
Typical tools of an admin

- Fabric (Admin) Portal
- Power Platform Admin Center
- Microsoft 365 Admin Center
- Security & Compliance Center
- Azure Active Directory Portal
- PowerShell
- REST APIs
- External tools like DaxStudio, ALM Toolkit, Tabular Editor
- ...

Who Are You?



bit.ly/adminpbi



Check out my blog for a how-to:
www.nickyvv.com/2019/12

Nicky van Vroenhoven



Unit Lead Fabric & Power BI



/nicky-van-vroenhoven



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Data Platform MVP



bit.ly/adminpbi

Who Are You?



bit.ly/adminpbi

Who Are You? (Admin)

May 14, 2024

This is a form for my Fabric Admin session.
All answers will be deleted after this session.

Start now



Check out my blog for a how-to:
www.nickyvv.com/2019/12

Topics

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

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



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




 Comprehensive data security¹

 Federated data governance¹

Advanced Govern and secure Fabric data



 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**


 **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
→

 Comprehensive data security¹

←
Advanced Govern and secure Fabric data

 Federated data governance¹

 Risk & compliance posture¹

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

- Business, empowerment < > governance
- Support business users while enforcing the rules
- Part of Center of Excellence



From Power BI to Fabric Admin?

What has (not) changed?!

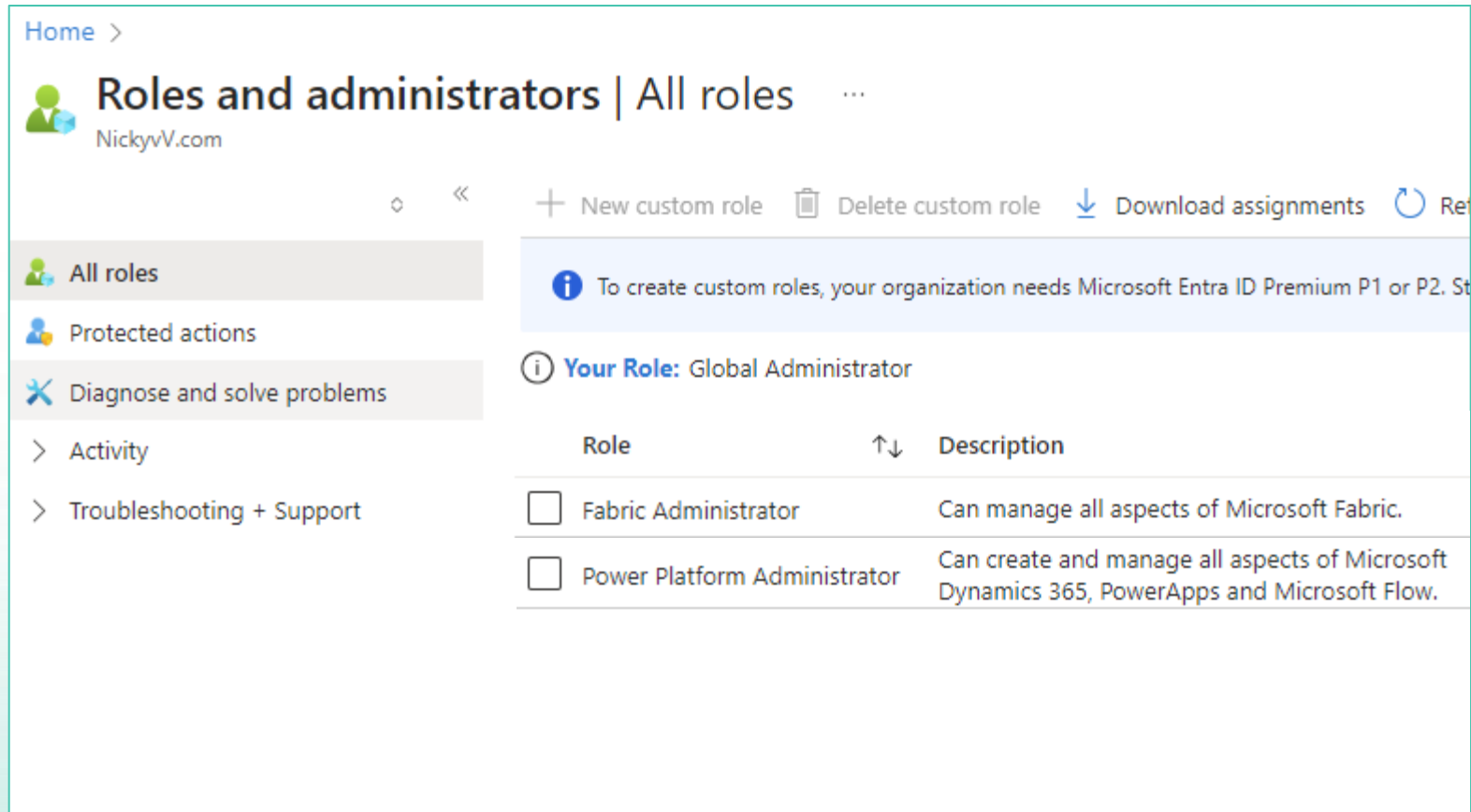
- Fabric is a Unified, SaaS Data Platform > One Lake to rule them all
- Power BI is now part of Fabric (with more workloads)
 - But Power BI itself didn't change (much)
- Core concepts of governance from Power BI are still applicable
 - Tenant
 - Capacities
 - Domains (New)
 - Workspaces
- New Fabric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

What is a Fabric Admin?


Type	Scope
Fabric (Power BI Service) Administrator	Fabric tenant
Fabric Gateway Administrator	Single gateway (cluster)
Fabric Capacity Administrator	Single capacity
Fabric Domain Admin	Single domain
Fabric Workspace Admin	Single workspace
Power Platform Administrator	Power Platform (& Fabric!) tenant

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


 All roles


 Protected actions

 Diagnose and solve problems

> Activity

> Troubleshooting + Support

 To create custom roles, your organization needs Microsoft Entra ID Premium P1 or P2. See [this article](#).

 **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

Home > Roles and administrators | All roles > Fabric Administrator

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

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

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Role permissions

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 top navigation bar is blue with the Microsoft 365 admin center logo and a search bar. The left sidebar contains a menu with icons and labels: Home, Users, Teams & groups, Billing, and Licenses. The main content area displays the 'Licenses' page for Power BI Pro. It includes an 'Export' button and a 'Refresh' button. Below these, there is a table with columns for 'Name', 'Available licenses', and 'Assigned licenses'. The table shows one entry for 'Power BI Pro' with 17 available licenses and 193/210 assigned licenses, represented by a progress bar.

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)

⏏

Users can create Fabric items

Unapplied changes

Users can use production-ready features to create Fabric items. Turning off this setting doesn't impact users' ability to create Power BI items. This setting can be managed at both the tenant and the capacity levels. [Learn More](#)

Enabled

Apply to:

The entire organization

Specific security groups

Enter security groups

Specify at least one security group.

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.

Capacity admins can enable/disable

Apply

Cancel

Tenant Settings

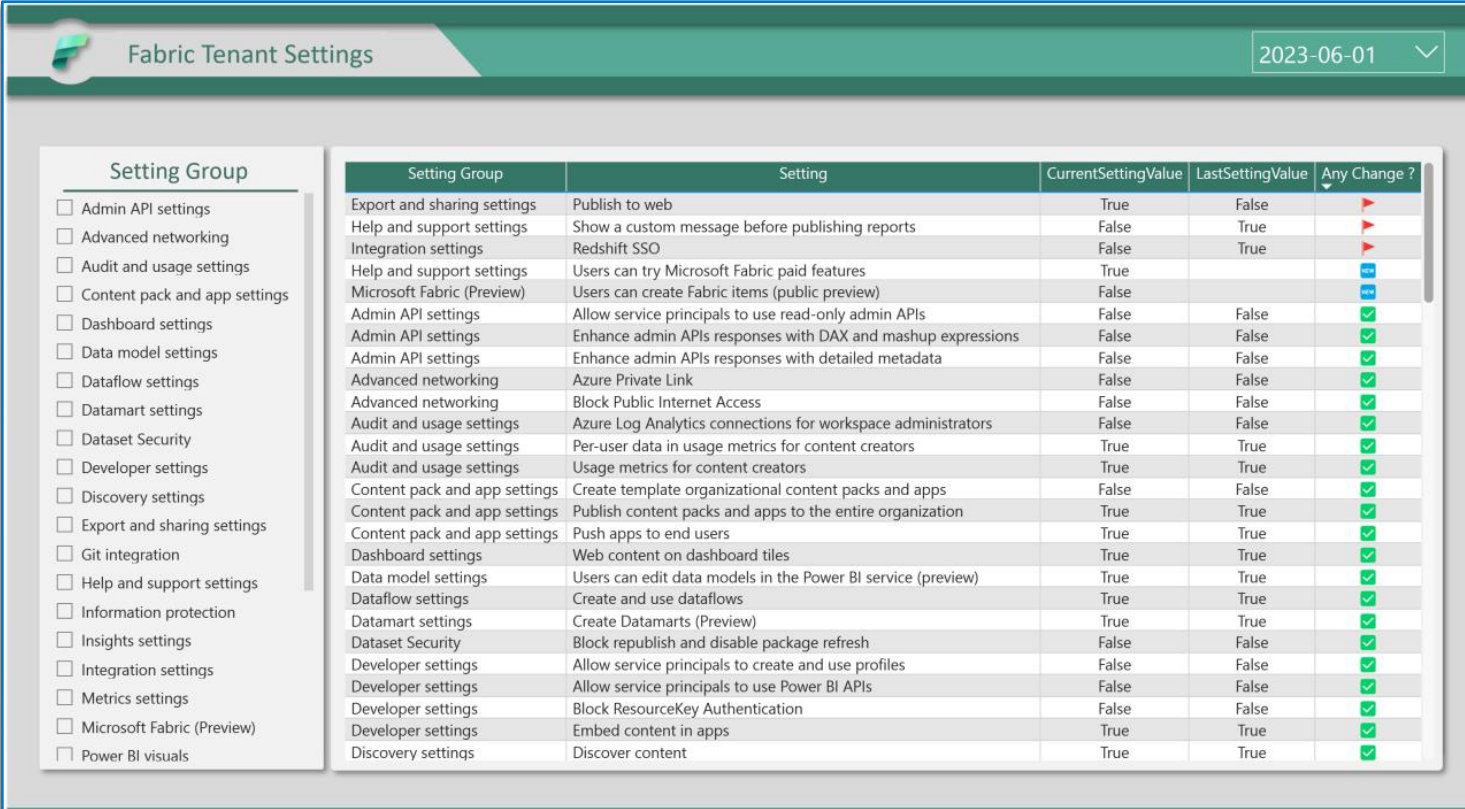
- Document
 - Why, and communicate!
- Manually
- Power Automate Desktop
- **GetTenantSettings API**

	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 er	Disabled for the	✗		
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

By Kurt Buhler

Fabric Tenant Settings APIs

- GetTenantSettings
 - Document settings for audits
 - Tracking changes
 - Share with non-Admin users
- GetTenantSettingOverrides
 - Increased visibility and Security
 - Aids in troubleshooting



The screenshot displays the 'Fabric Tenant Settings' interface. On the left, there is a sidebar with a 'Setting Group' list, including categories like Admin API settings, Advanced networking, Audit and usage settings, and more. The main area on the right contains a table with columns: Setting Group, Setting, CurrentSettingValue, LastSettingValue, and Any Change ?. The table lists various settings such as 'Publish to web', 'Redshift SSO', 'Users can try Microsoft Fabric paid features', and 'Allow service principals to use read-only admin APIs', each with its current and last values and a status indicator (green checkmark for no change, red arrow for change).

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		↔
Microsoft Fabric (Preview)	Users can create Fabric items (public preview)	False		↔
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 Fabrics 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:

- Publish to web
- Create Fabric Items
- OpenAI / Copilot
- Power BI visuals (2 settings)

Topics

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

Collaboration and sharing

- My Workspace
- Domains
- Workspaces
- Apps

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

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

Domains, Workspaces & Apps

- Domains
 - =! Data mesh 😊
- Workspaces
 - Control creation
- Apps
 - Free if backed by Premium (per capacity)
 - Audiences
- Manage *Export and sharing settings*

The screenshot displays the 'Export and sharing settings' page in the Power BI admin center. It is organized into two columns of settings, each with a toggle switch and a status indicator (e.g., 'Enabled for the entire organization' or 'Disabled for the entire organization').

Left Column Settings:

- Allow Azure Active Directory guest users to access Power BI (Enabled for the entire organization)
- Invite external users to your organization (Enabled for the entire organization)
- Allow Azure Active Directory guest users to edit and share content (Disabled for the entire organization)
- Show Azure Active Directory guests in lists of suggestions (Enabled for the entire organization)
- Publish to web (Enabled for the entire organization)
- Copy and paste visuals (Enabled for the entire organization)
- Export to Excel (Enabled for the entire organization)
- Export to .csv (Enabled for the entire organization)
- Download reports (Enabled for the entire organization)
- Users can work with Power BI datasets in Excel using the Power BI Desktop (Enabled for the entire organization)
- Export reports as PowerPoint presentations or PDF documents (Enabled for the entire organization)
- Export reports as MHTML documents (Enabled for the entire organization)
- Export reports as Word documents (Enabled for the entire organization)
- Export reports as XML documents (Enabled for the entire organization)
- Export reports as image files (Disabled for the entire organization)

Right Column Settings:

- Print dashboards and reports (Enabled for the entire organization)
- Certification (Disabled for the entire organization)
- Create email subscriptions (Enabled for the entire organization)
- Allow email subscriptions to be sent to external users (Enabled for the entire organization)
- Featured content (Enabled for the entire organization)
- Allow connections to featured tables (Enabled for the entire organization)
- Allow shareable links to grant access to everyone in your organization (Enabled for the entire organization)
- Enable Microsoft Teams integration in the Power BI service (Enabled for the entire organization)
- Install Power BI app for Microsoft Teams automatically (Enabled for the entire organization)
- Enable Power BI add-in for PowerPoint (Enabled for the entire organization)
- Allow DirectQuery connections to Power BI datasets (Enabled for the entire organization)
- Guest users can work with shared datasets in their own tenants (Disabled for the entire organization)
- Allow specific users to turn on external data sharing (Enabled for the entire organization)

Domains, Workspaces & Apps

- Use M365 groups to manage access
 - [workspace]-[dev/test/prod]-[role]
 - Finance-dev-members
 - Finance-dev-viewers
 - Finance-dev-app/audience
- Finance-dev-read
- Finance-dev-write

Extra points:

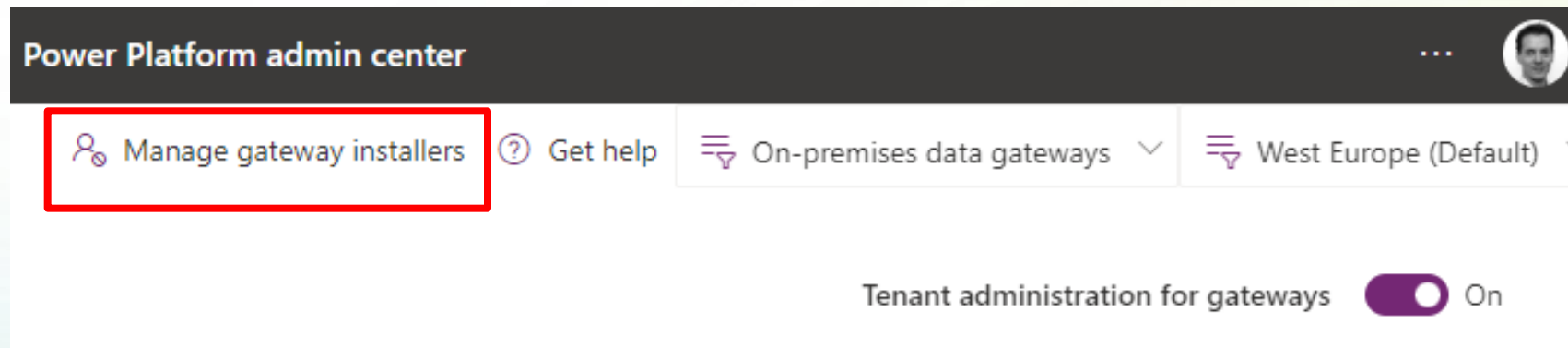
- Tie into your approval process
- Preferably with IAM

Topics

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- Admin portal & Tenant settings
- Collaboration and sharing
- **Power Platform**
- Monitoring & Automation

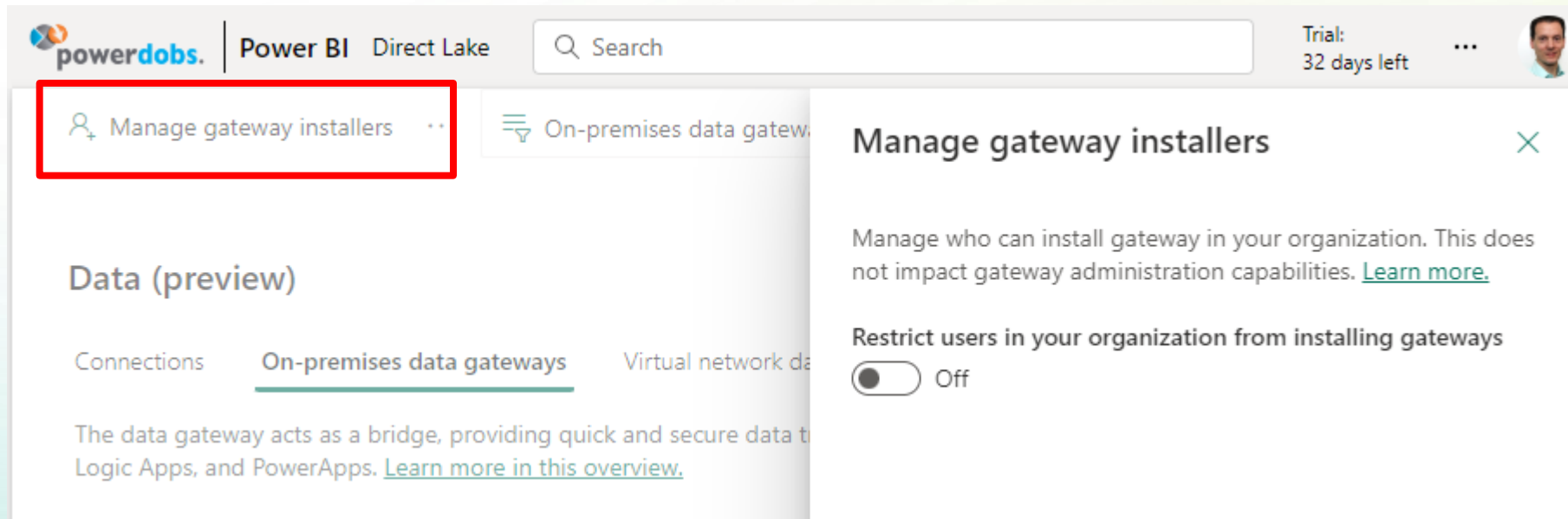
Power Platform Admin Center

- Restricted access for Fabric Admins



Power Platform Admin Center

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



Power Platform Admin Center

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



Topics

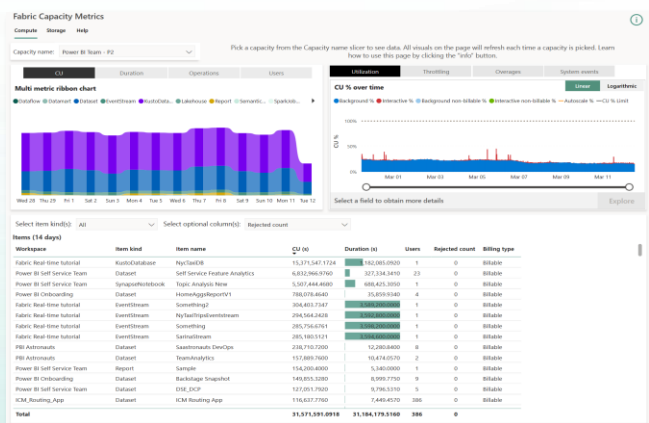
- The ~~Power BI~~ Fabric Admin role
- Admin portal & Tenant settings
- Collaboration and sharing
- Power Platform
- **Monitoring & Automation**

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

Monitoring hub

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

Refresh

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

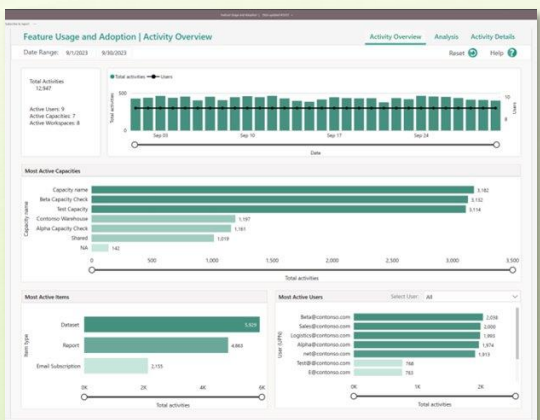
Activity name	Status	Item type	Start time	Submitted by	Location	Duration
NYC_Test manual	Succeeded	Semantic model	2:32 PM, 5/15/24	Nicky van Vioenhoven	Direct Lake	10s
Feature Usage and Adoption	Succeeded	Semantic model	11:08 AM, 5/15/24	Admin Monitoring	Admin monitoring	10m 57s
OnlineSalesDataFlow	Succeeded	Dataflow Gen2	12:00 AM, 5/15/24	Nicky van Vioenhoven	FabricBootcamp...	7m 1s
Fabric Capacity Metrics	Succeeded	Semantic model	12:03 AM, 5/15/24	Nicky van Vioenhoven	Microsoft Fabric...	11m 26s
SalesPipeline	Succeeded	Data pipeline	12:00 AM, 5/15/24	Herman Fourie	FabricBootcamp...	7m 59s
SalesPipeline	Succeeded	Data pipeline	12:00 AM, 5/14/24	Herman Fourie	FabricBootcamp...	7m 59s
SalesPipeline	Succeeded	Data pipeline	12:00 AM, 5/13/24	Herman Fourie	FabricBootcamp...	5m 59s
SalesPipeline	Succeeded	Data pipeline	12:00 AM, 5/12/24	Herman Fourie	FabricBootcamp...	8m 0s
DQ Report to BW	Succeeded	Semantic model	5:16 PM, 5/11/24	Nicky van Vioenhoven	External Tools	Less than 1s
SalesPipeline	Succeeded	Data pipeline	12:00 AM, 5/11/24	Herman Fourie	FabricBootcamp...	7m 59s
Get NYC test data	Succeeded	Data pipeline	1:59 PM, 5/10/24	Nicky van Vioenhoven	Test demo's	3m 48s
Get Azure SQL	Failed	Data pipeline	1:45 PM, 5/10/24	Nicky van Vioenhoven	Test demo's	1m 28s

Fabric Monitoring Hub



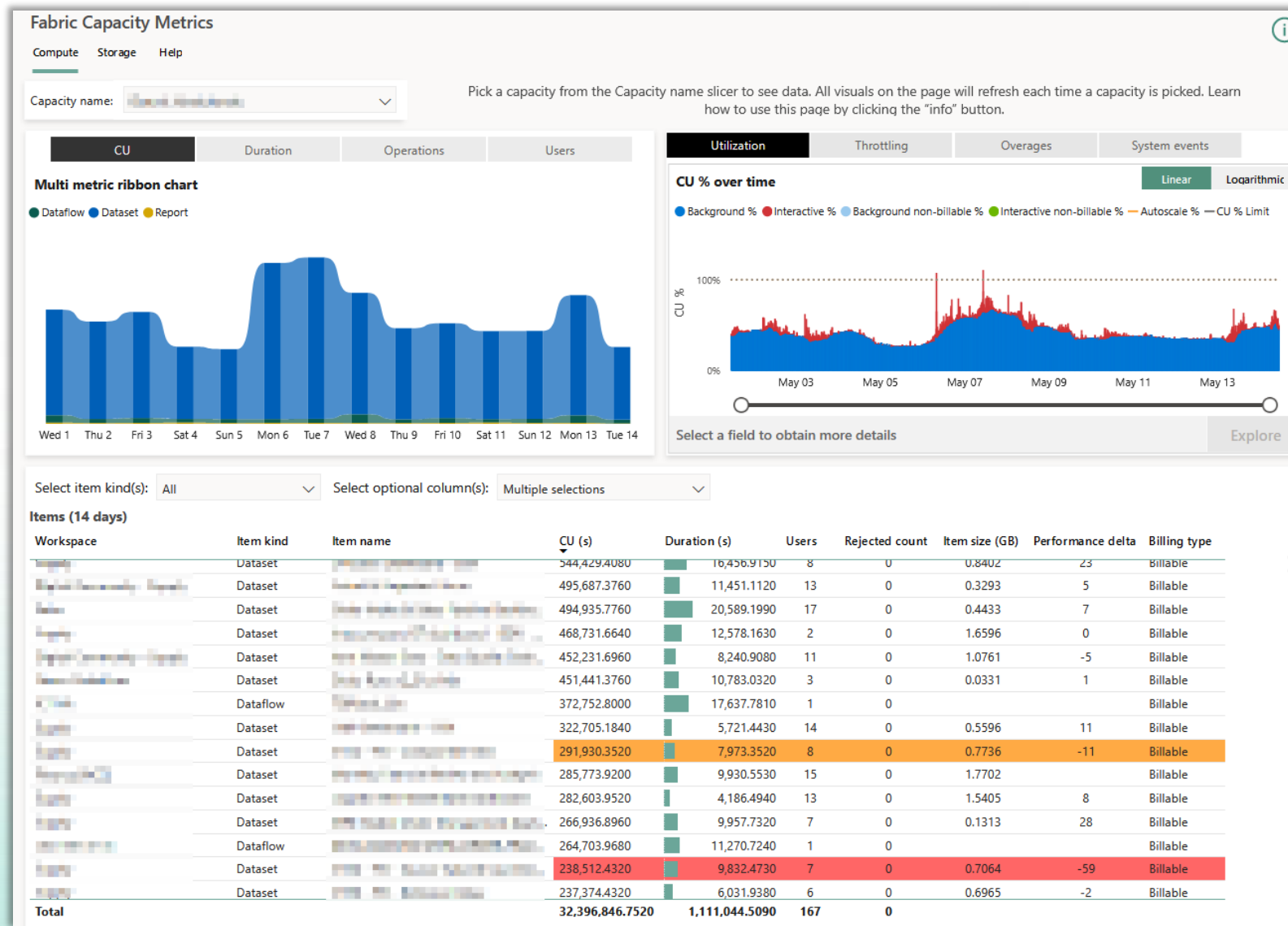
Usage, Adoption & Performance

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

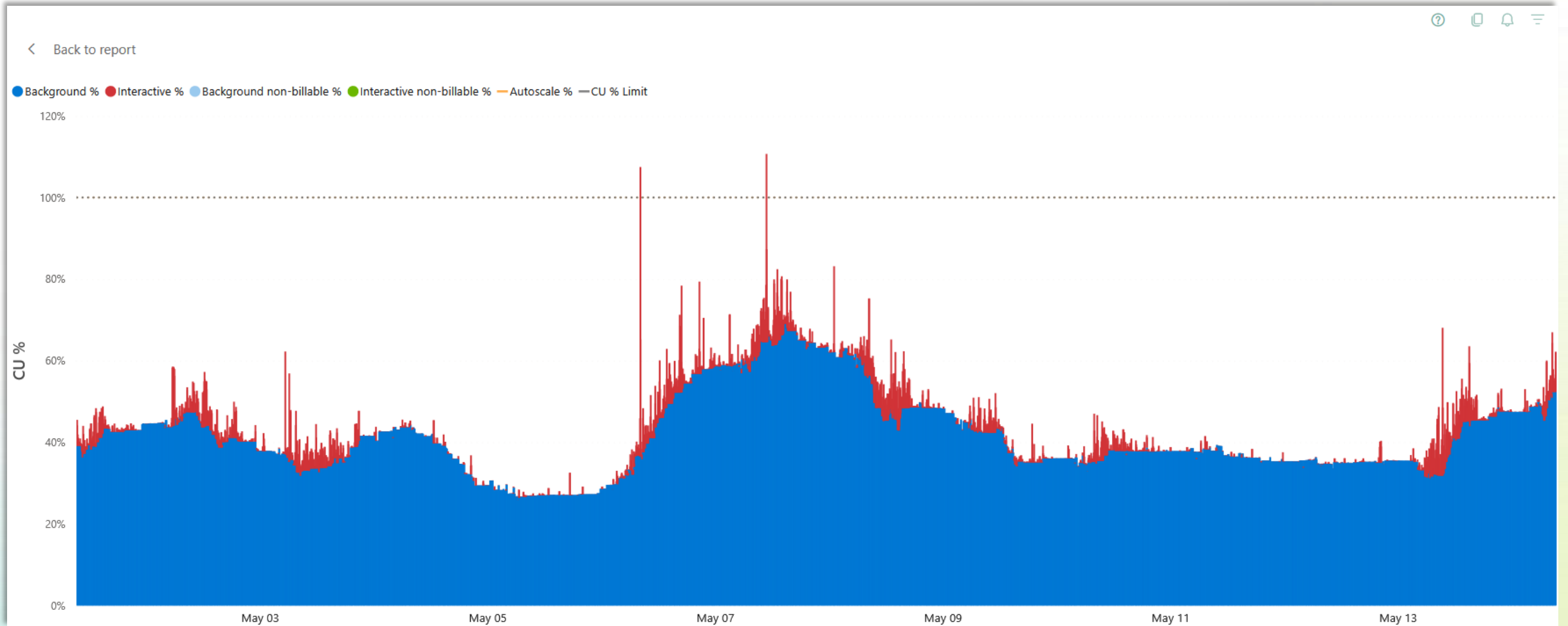


Admin Monitoring

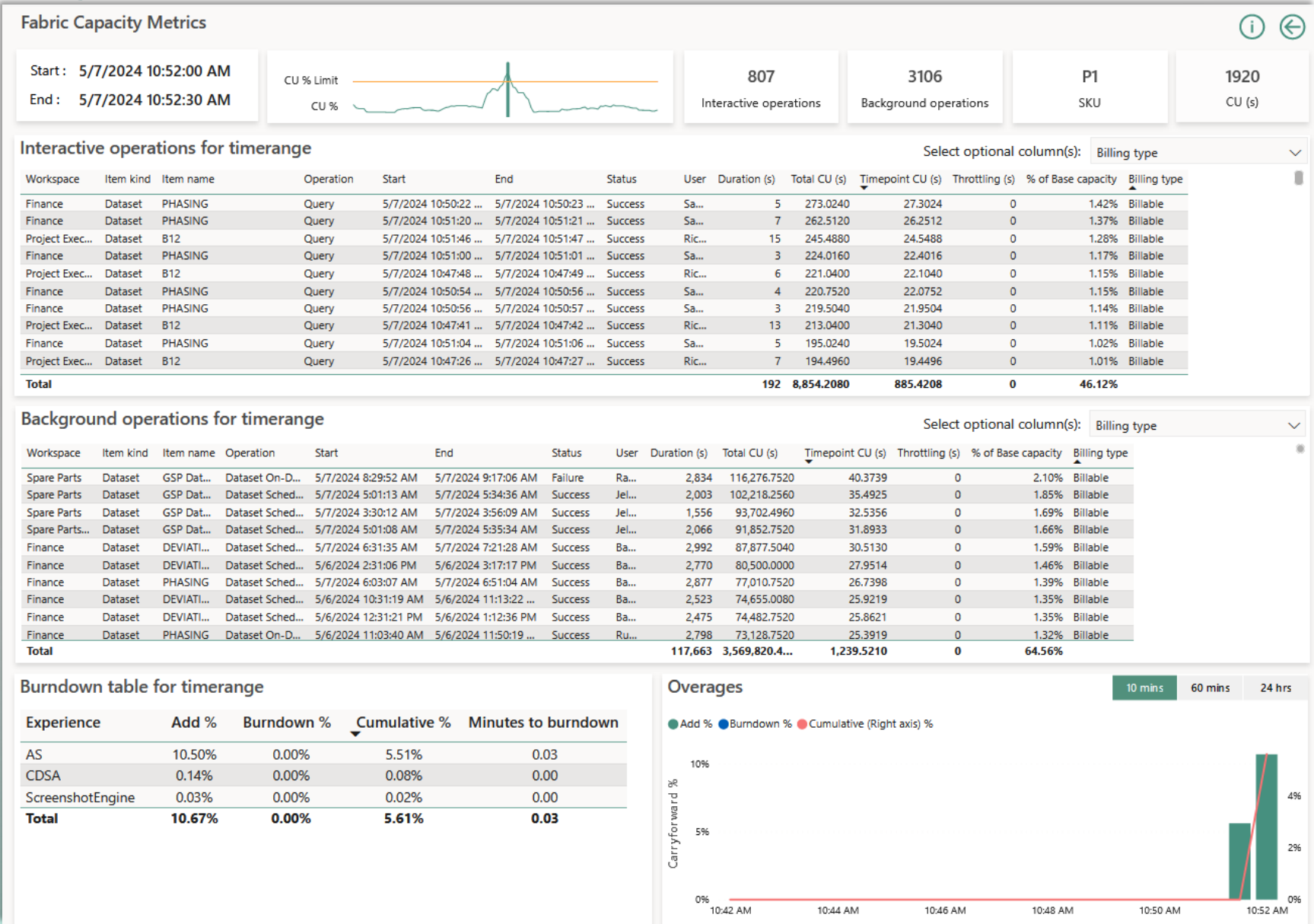
Capacity Metrics App



Capacity Metrics App



Capacity Metrics App



Monitoring & automation

- Monitoring Hub

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.

Filter by keyword

Filter

Activity name	Status	Item type	Start time	Submitted by	Location	Duration	
NYC_Taxi manual	Succeeded	Semantic model	2:32 PM, 5/15/24	Nicky van Vroenhoven	Direct Lake	10s	
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Get Azure SQL	Failed	Data pipeline	1:45 PM, 5/10/24	Nicky van Vroenhoven	Test demo's	1m 28s	N/A

Apply

Clear all

Status

☐ Cancelled

☐ Succeeded

☐ Failed

☐ In progress

☐ Not started

☐ Unknown

Item type

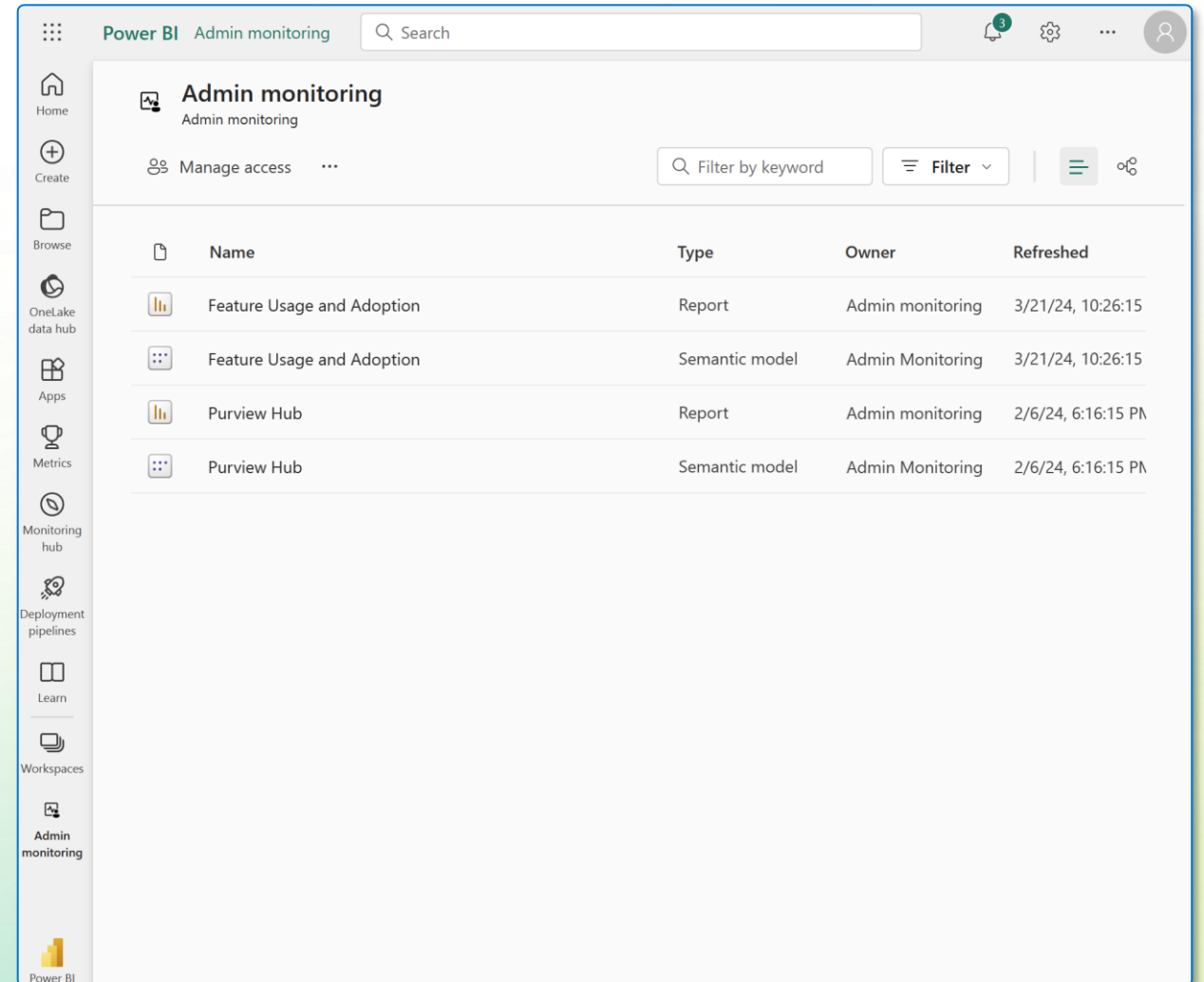
Start time

Submitted by

Location

Admin Monitoring (Preview)

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



The screenshot displays the Power BI Admin Monitoring interface. The left sidebar contains navigation links: Home, Create, Browse, OneLake data hub, Apps, Metrics, Monitoring hub, Deployment pipelines, Learn, Workspaces, Admin monitoring (selected), and Power BI. The main content area is titled 'Admin monitoring' and includes a 'Manage access' link and a search bar. Below this is a table with the following data:

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)

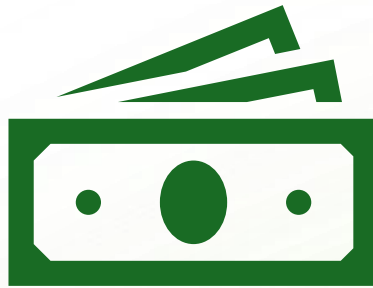
What's Available Now?

- **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?

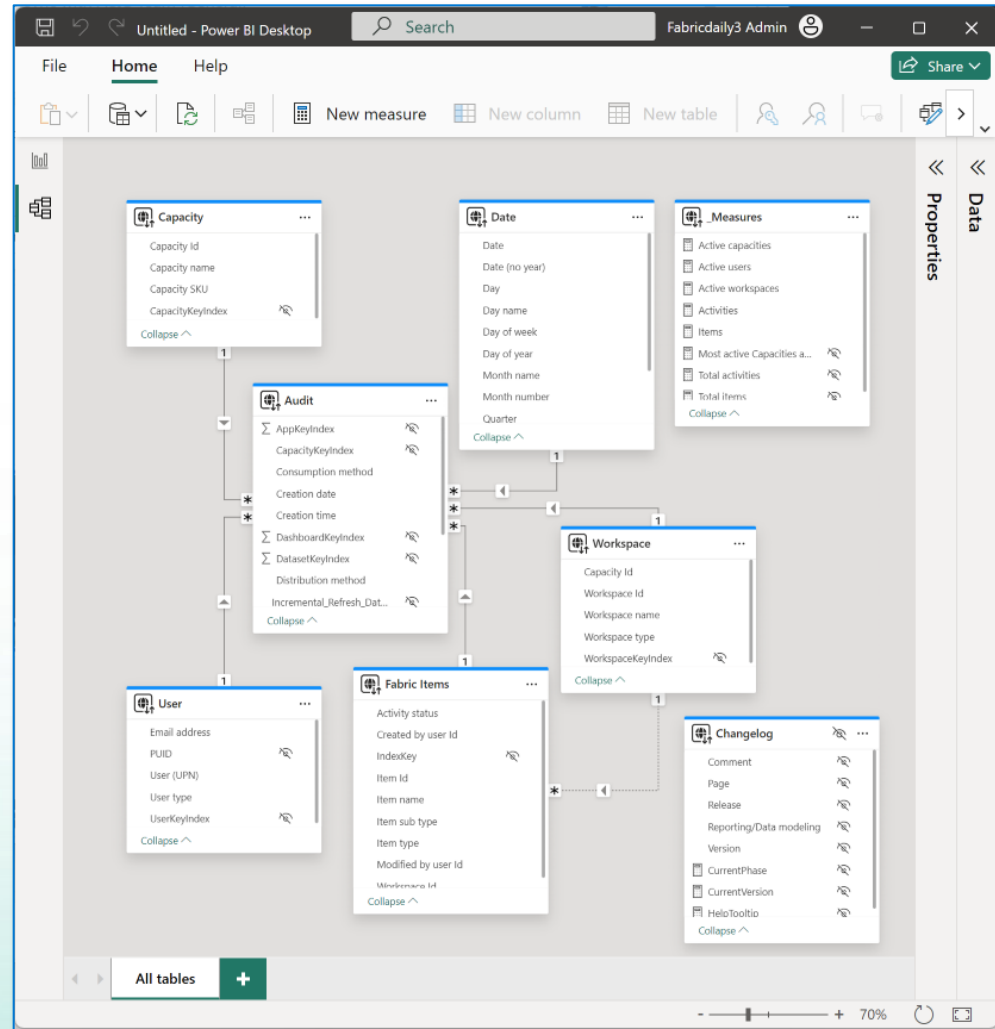
- More Insights
 - ✓ Content sharing insights (private preview soon)
 - ✓ Tenant-level report usage insights
 - ✓ Who has access to what
 - ✓ Item inventory report – size, utilization, job/refresh metrics and data lineage
- Increased Retention
- Capacity metrics in Admin monitoring

Admin Monitoring



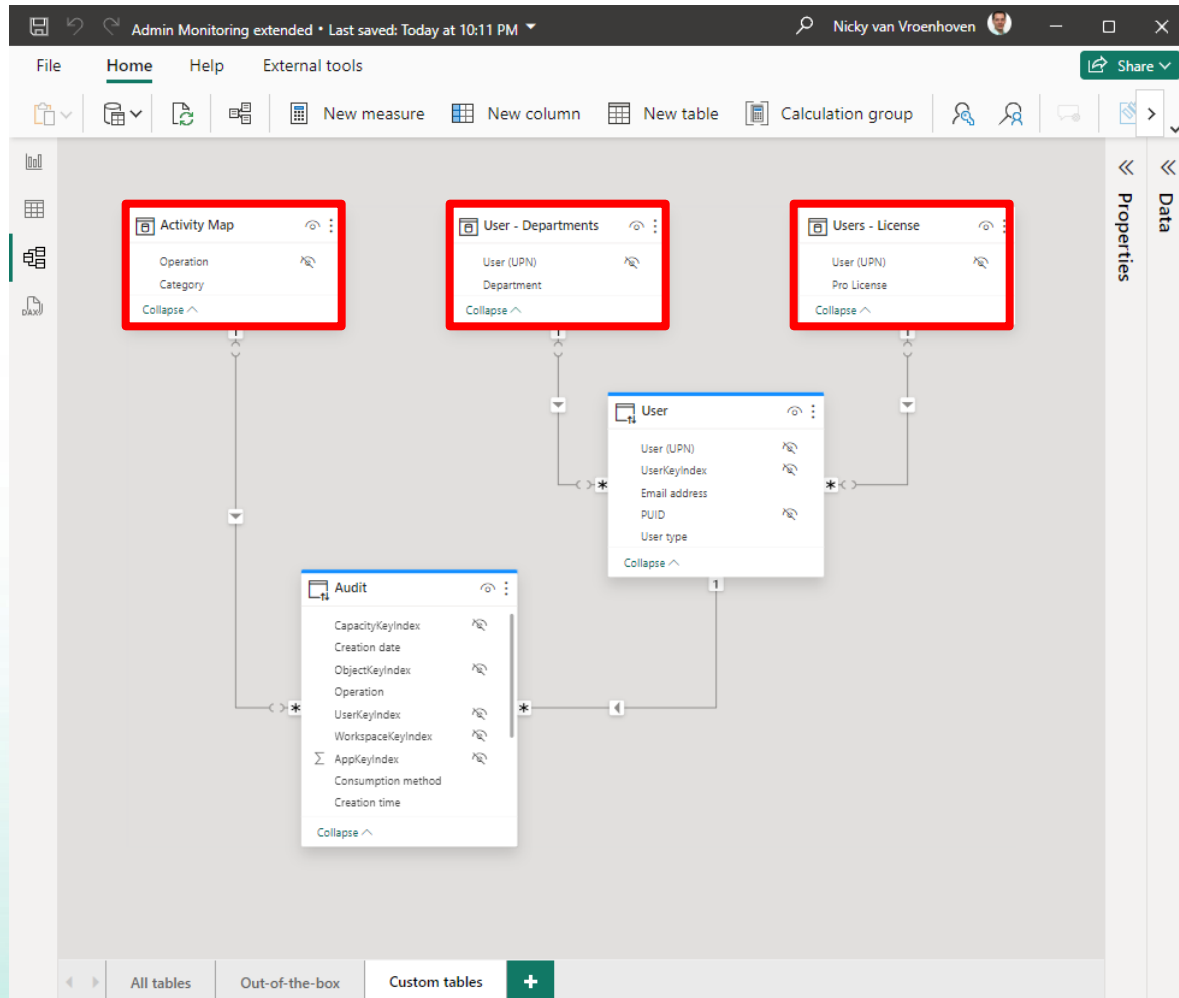
Manage licenses and associated costs

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

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

 Filter by title
Overview
<ul style="list-style-type: none">> Admin> Apps> Available Features> Capacities> Dashboards> Dataflow Storage Accounts> Dataflows> Datasets> Embed Token> Gateways> GoalNotes (Preview)> GoalValues (Preview)> Goals (Preview)> GoalsStatusRules (Preview)> Groups> Imports> Pipelines> Profiles> Push Datasets> Reports> Scorecards (Preview)> Template Apps> Users

REST Operation groups

This table lists the Power BI REST API operation groups.

Note

To manage Power BI Embedded capacities, use the Power BI Embedded Azure

Operation group	Description
Admin	Operations for working with administrative t
Apps	Operations for working with Apps.
Available Features	Operations that return available features.
Capacities	Operations for working with capacities.
Dashboards	Operations for working with dashboards.
Dataflow Storage Accounts	Operations for working with dataflow storag
Dataflows	Operations for working with dataflows.
Datasets	Operations for working with datasets.
Embed Token	Operations for working with embed tokens.
Gateways	Operations for working with gateways.
Groups	Operations for working with groups.
Imports	Operations for working with imports.
Pipelines	Operations for working with deployment pip
Push Datasets	Operations for working with push datasets.

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



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

Expand table

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 [Copy](#)

```
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 [Copy](#)

```
{
  "activityEventEntities": [
    {
      "Id": "8fb974dc-739e-41e4-a219-b5801e28095e",
      "RecordType": 20,
      "CreationTime": "2023-05-23T08:06:47",
      "Operation": "GetSnapshots",
      "OrganizationId": "98c45f19-7cac-4002-8702-97d943a5ccb4",
      "UserType": 0,
      "UserKey": "10033FFF8929F27A",
      "Workload": "PowerBI",
      "UserId": "abc@contoso.onmicrosoft.com",
      "ClientIP": "185.175.34.186",
      "UserAgent": "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/112.0.0.0 Safari/537.36",
      "Activity": "GetSnapshots",
      "IsSuccess": true,
      "RequestId": "ee4b5af1-9aa3-34fe-a163-7b188e865ef1",
      "ActivityId": "cc1db5c9-ca04-484e-a6f2-f21de20bc000",
    }
  ]
}
```

Call To Action

- Go through, export, and document your Tenant settings
- Get started with monitoring your environment
 - ☐ Extract your Power BI Activity log
 - ☐ Setup Gateway monitoring
 - ☐ Check your Capacity Metrics App
 - ☐ Check the Admin Monitoring workspace

Resources

- [Monitoring Your Tenant Settings](#) by Romain Casteres
- [Monitoring solutions](#) on Github by Rui Romano
- Microsoft Learn:
 - [Fabric Admin doc's](#)
 - [Monitoring Workspace](#)
 - [Implementation scenario's](#)
 - [Adoption roadmap](#)

Thank you!



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Data Platform MVP