

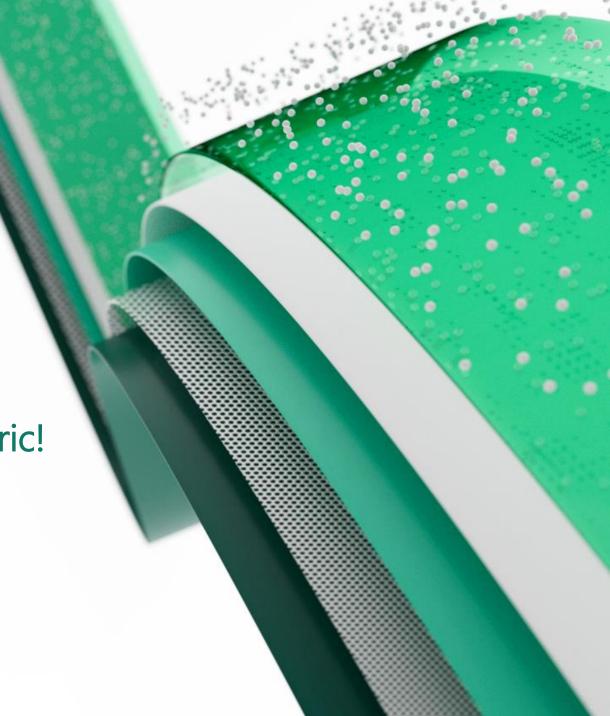
You're a Power BI Admin?

Let's get your threads aligned for Fabric!

Benni De Jagere Senior Program Manager Fabric Customer Advisory Team



Slides



Benni De Jagere

Senior Program Manager | Fabric Customer Advisory Team (FabricCAT)







@BenniDeJagere



/bennidejagere



sessionize /bennidejagere



/bennidejagere

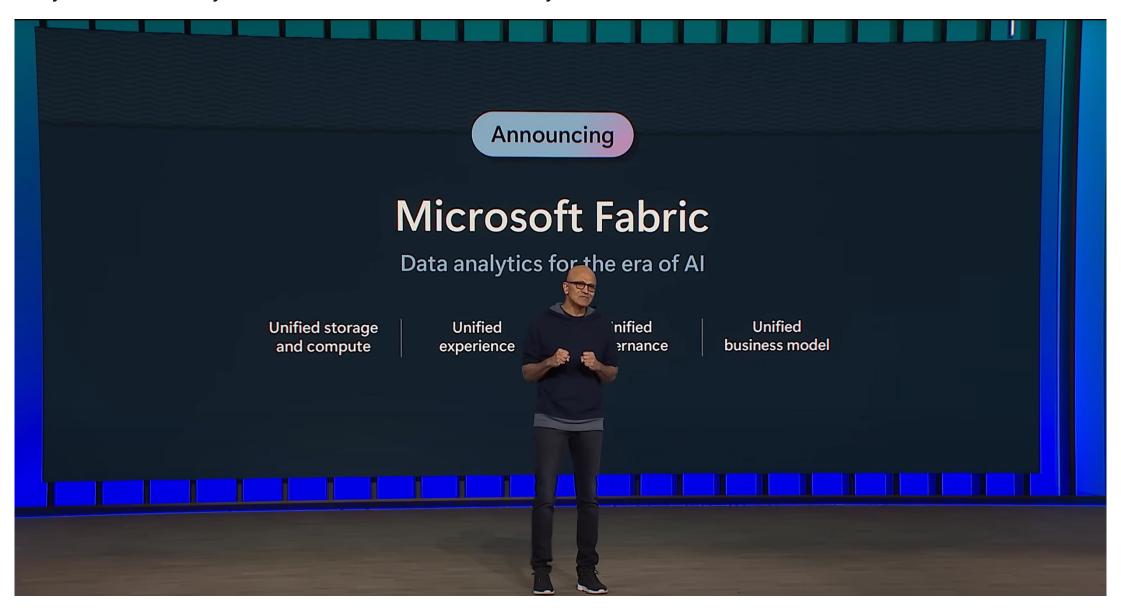


#SayNoToPieCharts



Before we go..

"It is the perhaps the biggest launch of a Data Product for Microsoft since SQL Server" Satya Nadella – May 23rd 2023 @ Microsoft Build Keynote



Full Keynote | Satya Nadella at Microsoft Build 2023 - YouTube

ALWAYS keep this in mind

It is okay to feel overwhelmed with all the new information about Microsoft Fabric. Product development has never been moving at a faster pace.

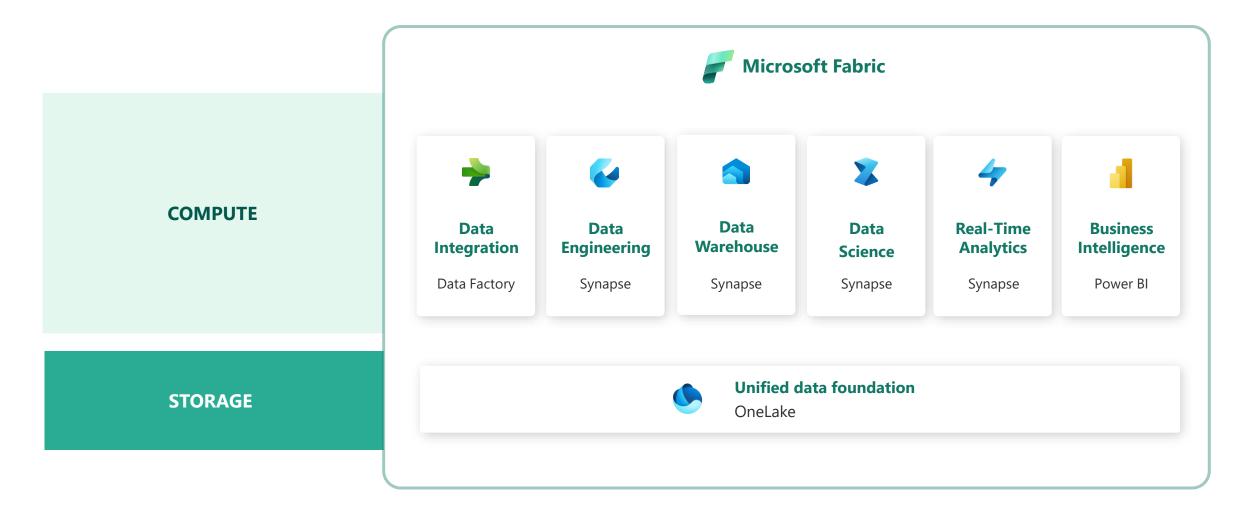


Take it one chunk at a time and focus on what is most important (for you).

That random guy on a stage in Copenhagen – September 2023



Introducing Microsoft Fabric



Introducing Microsoft Fabric and Copilot in Microsoft Power BI | Microsoft Power BI Blog | Microsoft Power BI



What is actually changing (or not)?

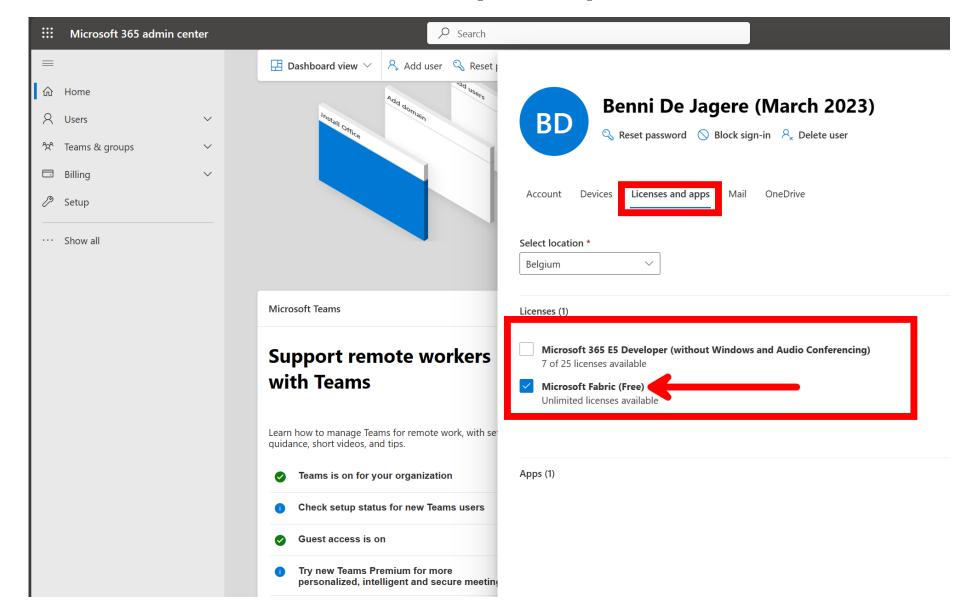
aka "It's not that bad"

- "SaaSification" of the Data Platform
 - Data Analytics driven from the Business, governed by IT
- Power BI is now a part of Fabric
- Fabric Items <u>always</u> require a capacity
- Core concepts of the Power BI Service still apply
 - Tenant
 - Capacities
 - Workspaces
- Admins do not need to be an expert on all workloads
 - Key skill will be interpreting the Capacity Metrics App
- Most significant change will be culture, not technology
 - Send that gift basket to your friendly neighbourhood M365 Admin

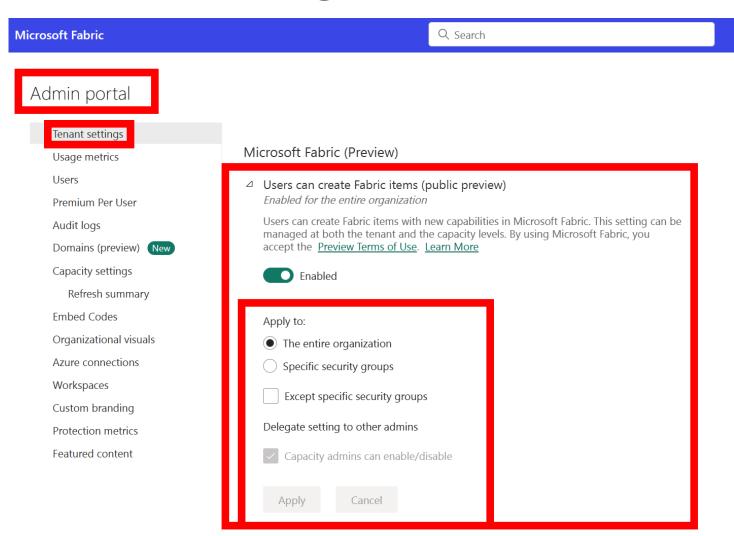
How to govern creation of Fabric items

- Creation of Fabric Items relies on:
 - "Microsoft Fabric (Free)" license (Former: Power BI (Free))
 - "Users can create Fabric items" (public preview)
 - "Users can try Microsoft Fabric paid features"
 - Capacity override option (cannot be disabled)
- Monitor the Activity Log for "Create .." activities

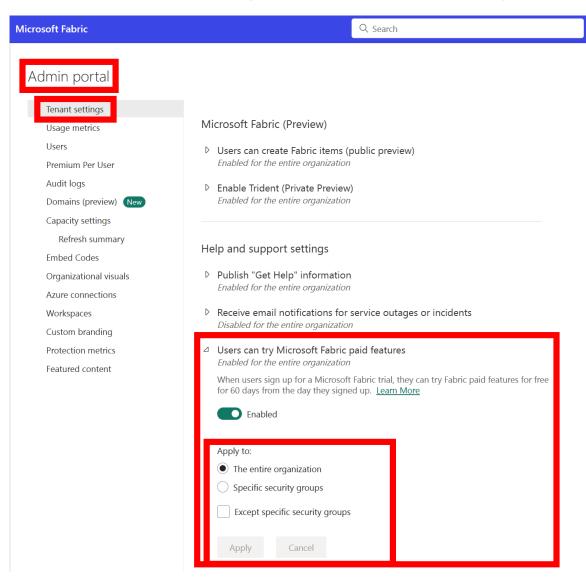
"Microsoft Fabric (Free) License"



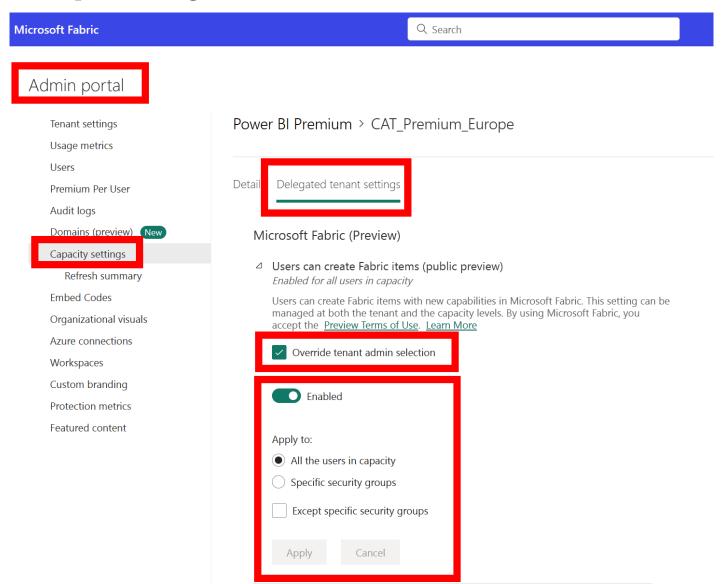
Tenant Setting: "Users can create Fabric items"



Tenant Setting: "Users can try Microsoft Fabric paid features"



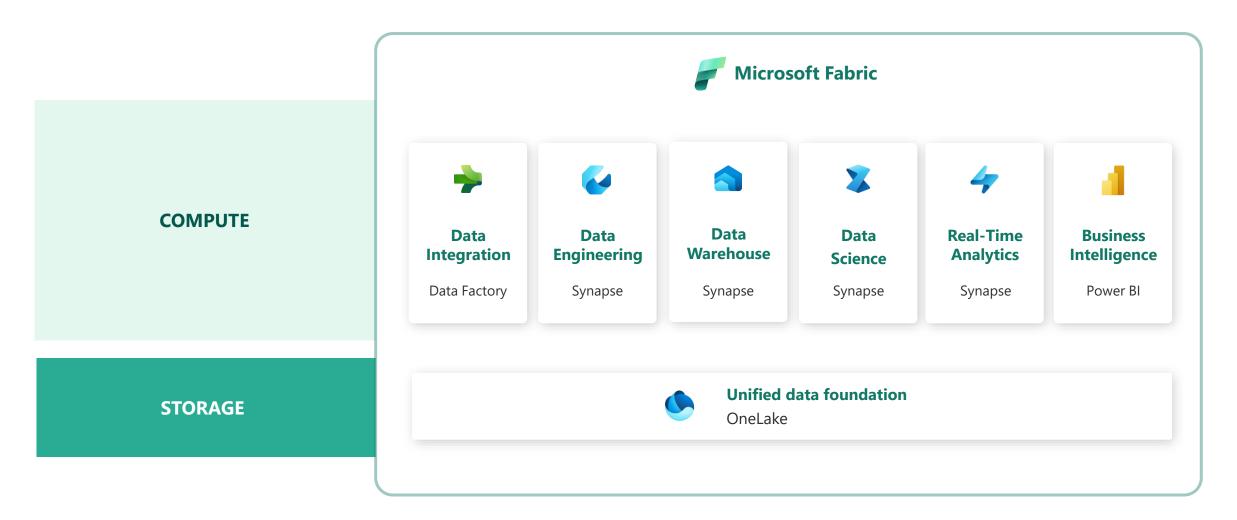
Capacity Override



What is the cost?

- During preview, Fabric is free! (Until it's not)
- Preview workloads are not drawing consumption (Capacity Units)
 - This will start on October 1st 2023
- Capacity Metrics App shows consumption for a few new workloads
- Azure F SKU still needs to be paid
- For free testing use:
 - A trial capacity (FT1)
 - An existing Premium (P) SKU

Understanding cost



Capacity Options

P SKU	F SKU	FT SKU	? SKU (TBA)	
Power BI Premium	Fabric	Fabric Trial	Reserved Instance	
Montly/Yearly commitment	Pay as you Go	No payment method needed	1 or 3 year commitment	
Office (M365) Billing	Azure Billing	No Billing	Azure Billing	
Full range of Fabric options	Full range of Fabric options	Full range of Fabric options	Full range of Fabric options	
Free PBI read-only consumption	Free PBI read-only consumption (Starting at F64)	No free PBI read-only consumption	Free PBI read-only consumption (Starting at P1 equivalent)	

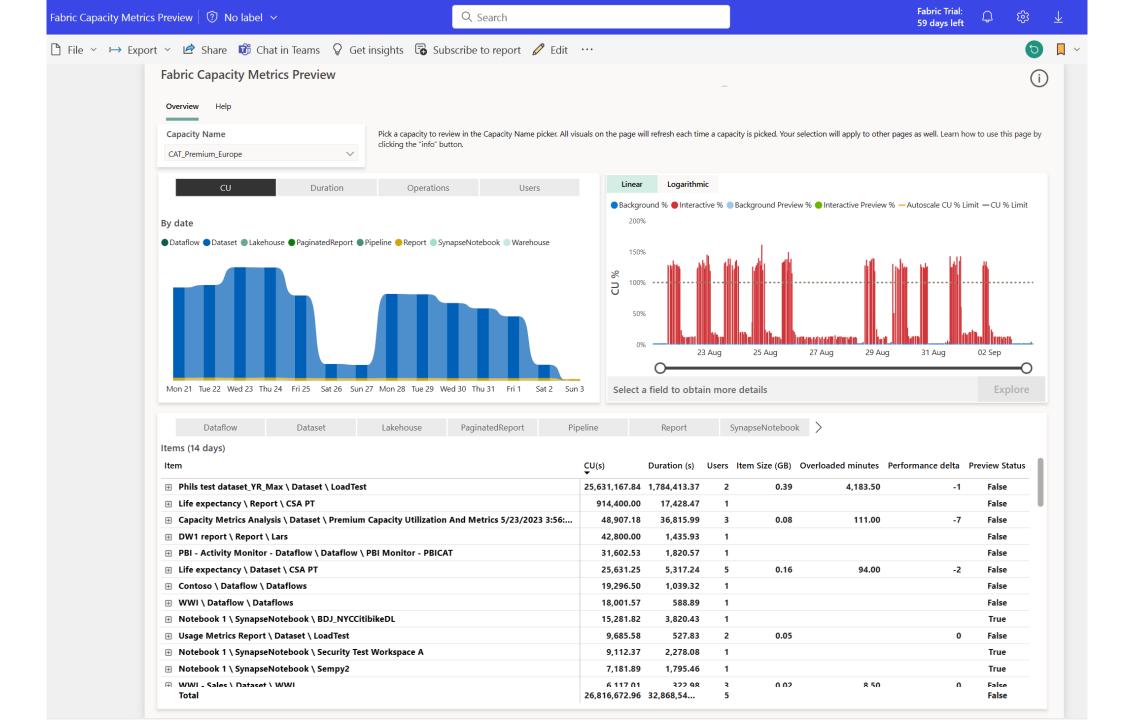
FT SKUs will automagically extend until GA, then counts down to 60 days (if kept active) A/EM SKUs do not offer Fabric capabilities

https://learn.microsoft.com/en-us/fabric/enterprise/licenses https://learn.microsoft.com/en-us/fabric/get-started/fabric-trial#end-a-fabric-preview-trial https://data-witches.com/2023/01/24/m365-developer-license-fabric/

Fabric Capacity Metrics App

- New experience, drastically simplified
 - Found in the AppSource (Get Apps)
- Shows a clear indication of which consumptions are preview
 - More workloads to show up by October 1st
- Which operations are background/interactive?
 - Stay tuned (or interpret the Metrics App)
- Interpreting this is key to understanding Fabric consumption (and cost)

What is the utilization and metrics app? - Microsoft Fabric | Microsoft Learn
Understand the metrics app overview page - Microsoft Fabric | Microsoft Learn
Understand the metrics app timepoint page - Microsoft Fabric | Microsoft Learn
Power BI Premium capacity load, overload, and autoscale - Power BI | Microsoft Learn
Power BI Premium CPU smoothing. - Power BI | Microsoft Learn
Interactive and background operations in Power BI - Power BI | Microsoft Learn





Workspace Management & Access Control

- Creation of Workspaces is bound to Tenant Settings
 - "Create workspaces (new workspace experience)"
- New Fabric items **require** a capacity (P, FT, or F)
 - For Power BI items, Shared Capacity is still an option
 - Region of the capacity determines where the data will reside
- Workspace roles still apply
 - Anything above viewer permissions make configured data security obsolete
 - A viewer role adds the implicit ReadAll to all items
 - Consider using Apps, and only providing permissions that what's needed to consume a report

Introducing Domains

- Mesh inspired mechanism to logically group workspaces
 - Group by whatever makes sense for your organisation
 - 1 workspace can be assigned to 0 .. 1 domains
- OneLake Data Hub allows you to refine search to a Domain
- Introducing Tenant Setting Delegation
 - Currently only for Certification
- Over time, we'll see interesting new options appear...

Admin portal

Tenant settings

Usage metrics

Users

Premium Per User

Audit logs

Domains (preview) New



Capacity settings

Refresh summary

Embed Codes

Organizational visuals

Azure connections

Workspaces

Custom branding

Domains

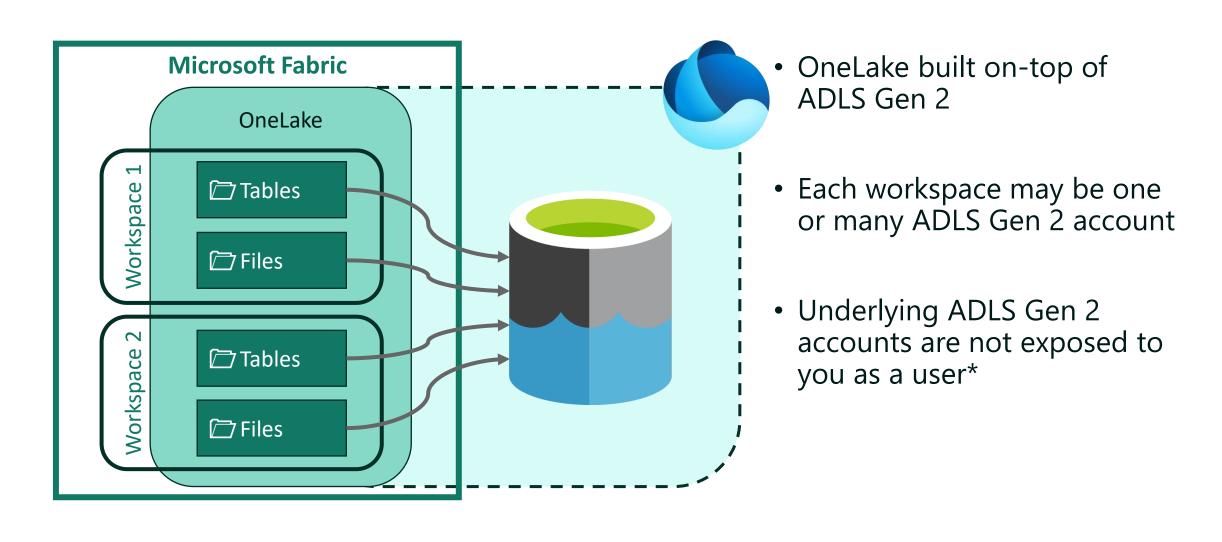
Create domains that match your org's key business segments and assign relevant workspaces. Learn more

+ Create new domain

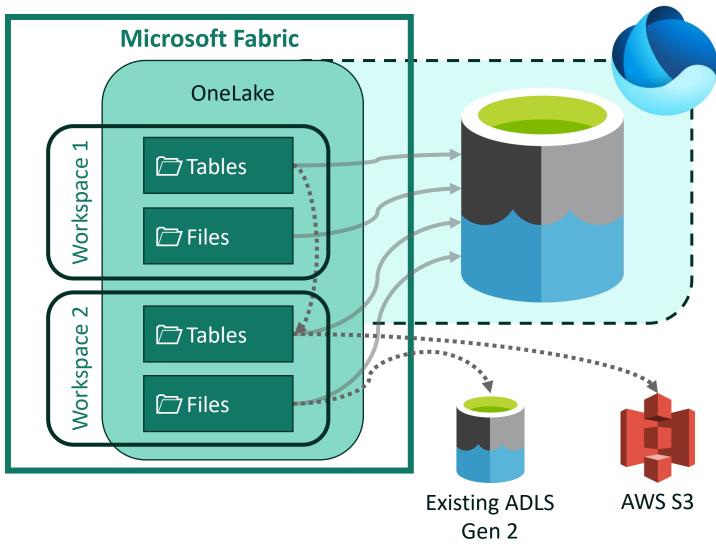
Name	Description	Domain admins
Domain CAT1	-	Lars Andersen
Retail Sale	This domain contains data for retail sale function.	-
Benni's Demo	-	Benni De Jagere



OneLake Structure and Architecture

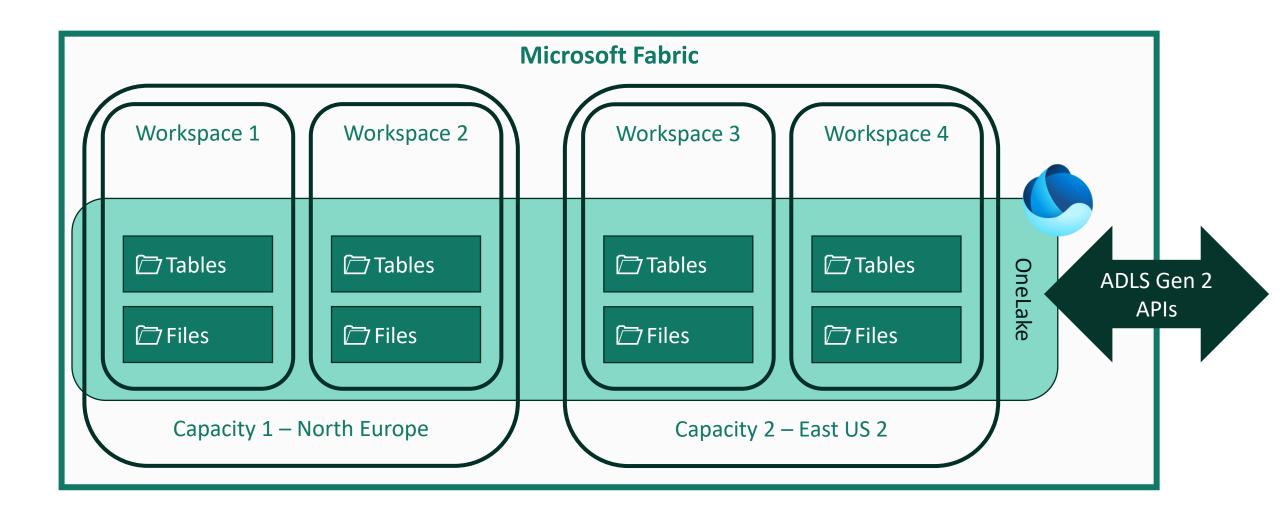


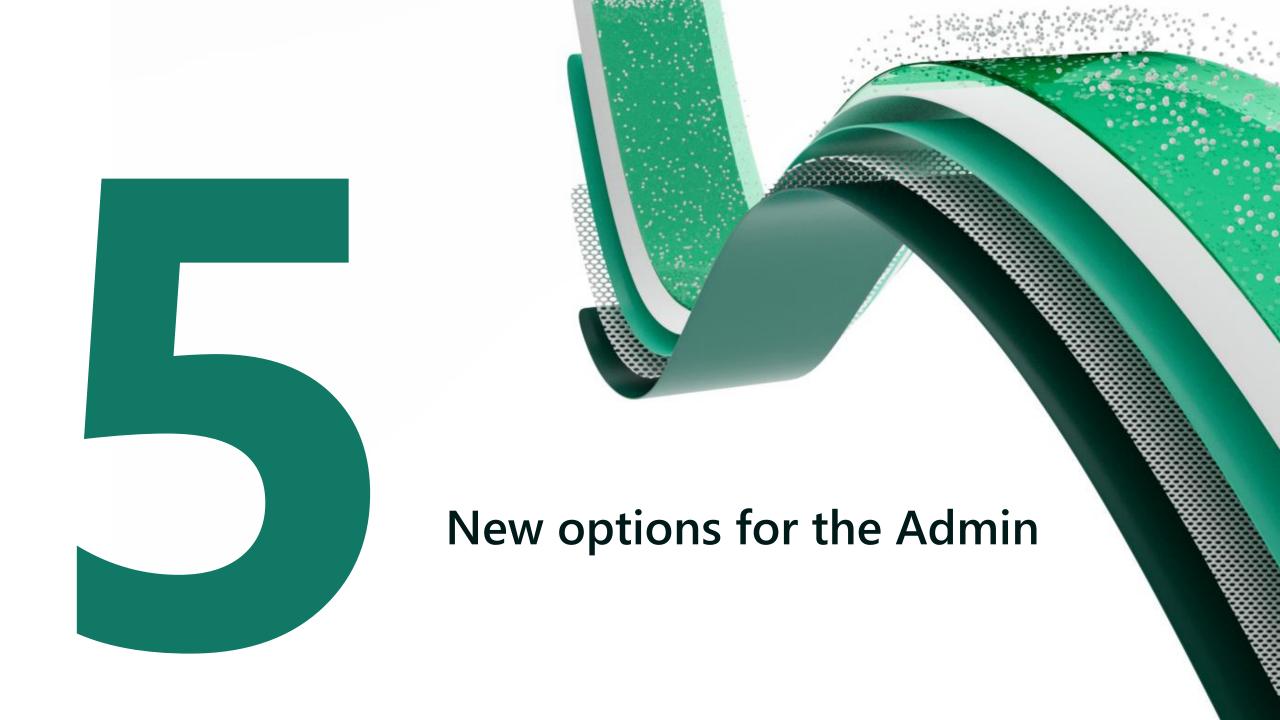
OneLake Shortcuts



- Creates a virtual connection (Windows Shortcut, Unix Symlink)
- Shortcuts can be created to other Workspaces
- Shortcuts can be created to ADLS Gen 2 and AWS S3 accounts (& GCP soon)
- Shortcuts can work at the Files or Table level.

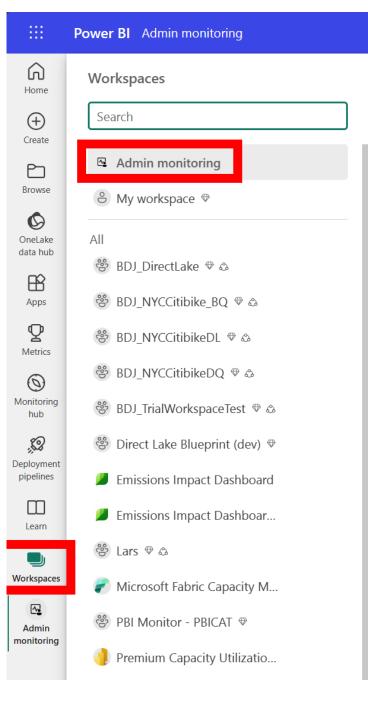
OneLake Overview





Admin Monitoring Workspace

- One stop Shop for Admin needs
 - Read-only workspace
 - Only accessible with Admin permissions + Power BI Pro subscription
 - First user to open will configure the scheduled refresh
 - Be careful with temporary accounts
- Feature Usage and Adoption
 - Activity Log data with 30 days retention
- Purview Hub
 - Data about certification, endorsement, MIP, ...



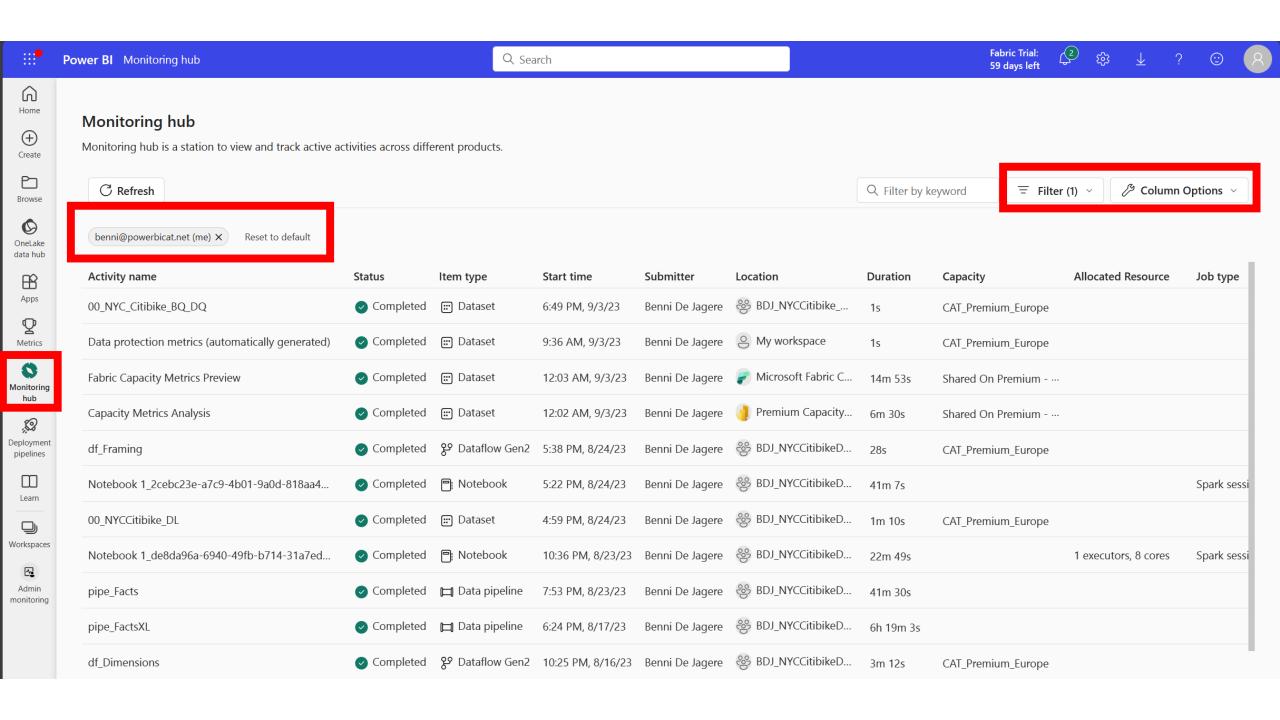
№	Admin monitoring		
	Admin monitoring		

 $\ensuremath{\mathfrak{S}}$ Manage access $\ensuremath{\mathfrak{S}}$ Workspace settings

	Name	Туре	Owner	Refreshed
000	Feature Usage and Adoption	Report	Admin monitoring	8/22/23, 2:21:57 PM
:::	Feature Usage and Adoption	Dataset	Admin Monitoring	8/22/23, 2:21:57 PM
000	Purview Hub	Report	Admin monitoring	8/22/23, 2:21:45 PM
:::	Purview Hub	Dataset	Admin Monitoring	8/22/23, 2:21:45 PM

Monitoring Hub

- Target audience is business users, but it can help admins
- Operational overview of refreshes for different item types
- Will only show items you have Read permissions to
- A LOT of useful information
 - Use "Filters" and "Column Options"
- But does it export to Excel? ☺



Get Tenant Settings API

- Documented API to extract tenant setting configurations
- Well suited to document Tenant Setting configurations
- Advised to do this regularly, and compare changes
 - Activity Log contains entries for a changed setting to know who changed something (and when)
 - Or set up Alerts (link)

Response Code: 200

Headers

```
HTTP

cache-control: no-store, must-revalidate, no-cache content-length: 4133 content-type: application/json; charset=utf-8 pragma: no-cache requestid: 03229615-d71b-4779-83a2-dd6706f629f3
```

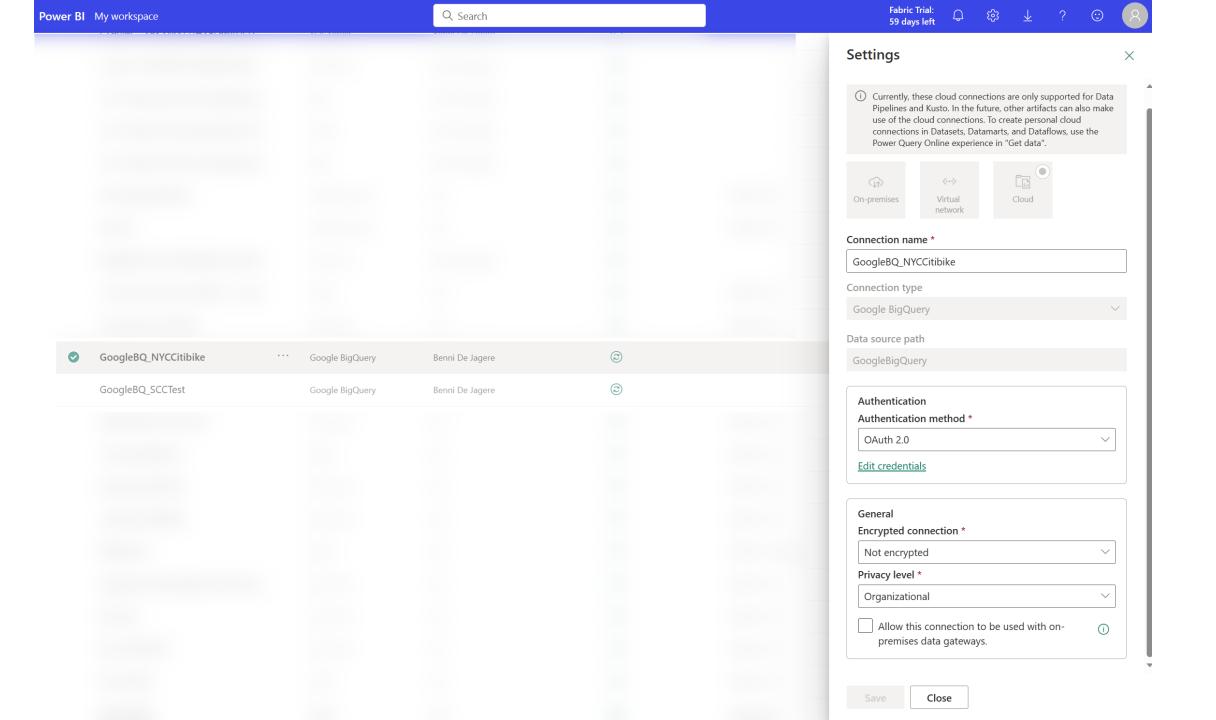
Body

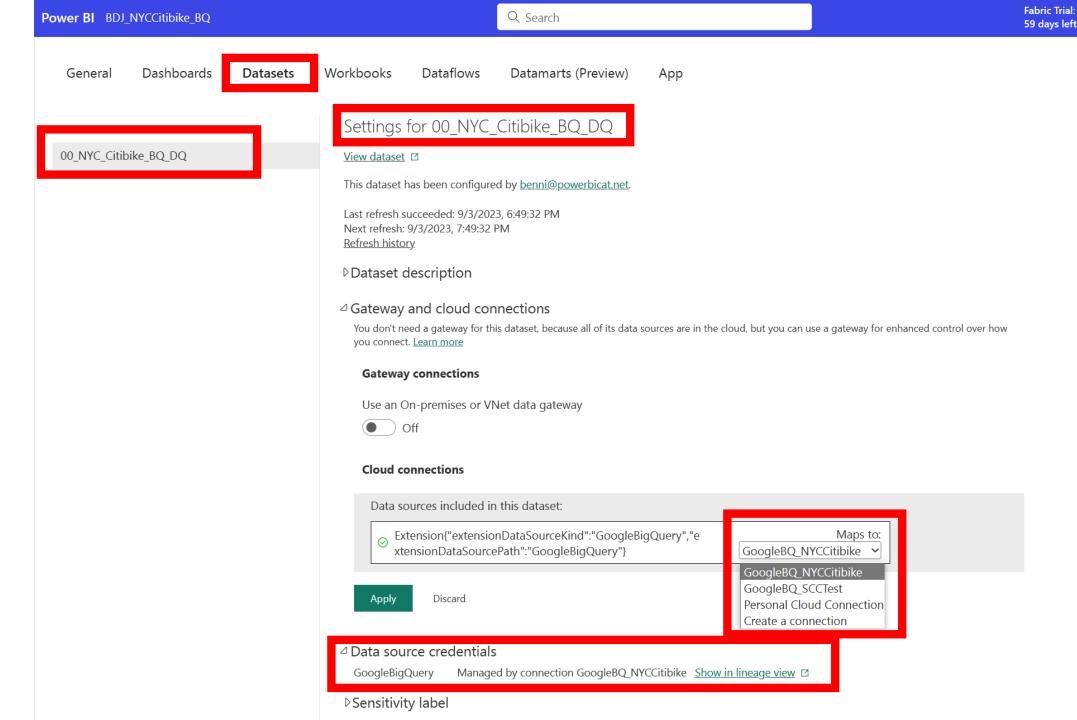
```
Copy
JSON
  "tenantSettings": [
      "settingName": "AllowServicePrincipalsUseReadAdminAPIs",
      "enabled": true,
      "canSpecifySecurityGroups": true,
      "enabledSecurityGroups": [
          "graphId": "04065eb6-2039-4495-a553-df184bb9ec4d",
          "name": "PBISettings-ServicePrincipalsAdmin"
          "graphId": "88b098b1-1af6-4875-967d-348d9a774c75",
          "name": "dbrowne_sp_group"
      "tenantSettingGroup": "Admin API settings"
      "settingName": "AdminApisIncludeDetailedMetadata",
      "title": "Enhance admin APIs responses with detailed metadata",
      "enabled": true,
      "canSpecifySecurityGroups": true,
      "tenantSettingGroup": "Admin API settings"
      "settingName": "AdminApisIncludeExpressions",
      "title": "Enhance admin APIs responses with DAX and mashup expressions",
      "enabled": true,
      "canSpecifySecurityGroups": true,
      "tenantSettingGroup": "Admin API settings"
```

Before you go

Introducing Shareable Cloud Connections

- Released on September 1st 2023
- Support multiple connections to the same data source
 - Set up different connection strings with the same user!
- Centrally configure and manage data sources
- Share connections with other users
- Lower the overhead of maintaing data connections and credentials





Power BI Adoption planning framework

- "Power BI", yet **very applicable** to Microsoft Fabric as a whole
- Covers a lot of core concepts about governance (not just the admin stuff)
- When planning a serious implementation, this helps you through preparation

Slides can be found at:

https://github.com/BenniDeJagere/Presentations/{Year}/{Date}_{Event}

