

Your ultimate guide to consuming content in Power BI & Fabric

Maya Shenhav & Lars Andersen

A big thank you to our amazing partners



Welcome!





Maya Shenhav, Group product manager Power BI, Microsoft



Lars Andersen, Program manager Fabric CAT, Microsoft

Warm up: aka.ms/fabricconsume

What are your expectations from this session? How are your users consuming

Power BI/Fabric today?

Agenda

- \cdot Self-service Consumption
- Content Distribution
- · Contextual Experiences
- Before we start... what we will not cover and why this is important

What we will not cover

- \cdot Creating content
- External sharing (however, some concepts also works in external sharing)
- \cdot Creating users and groups
- \cdot Creating workspaces
- · Licensing
- \cdot Embedding
- Exporting (we don't consider exporting a good practice of consuming content)
- Tenant administration
- · Governance

Syntax in this presentation

- \cdot We focus on Fabric in general
- \cdot Most of the end user consumption in Fabric is still Power BI related
- \cdot We will label the slides with the following *syntax*:
 - Relevant for both Power BI and Fabric
 - Relevant for Fabric items (non-Power BI)
 - Relevant for Power BI







Drive a data culture

everyone | every decision | at any scale

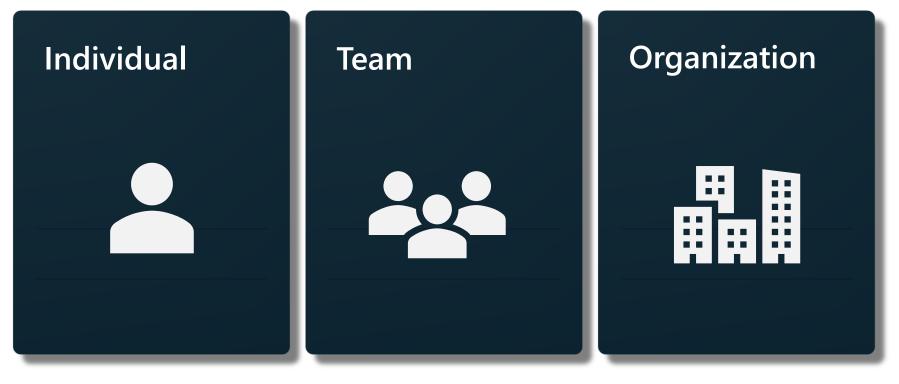




Microsoft Fabric

Drive a data culture

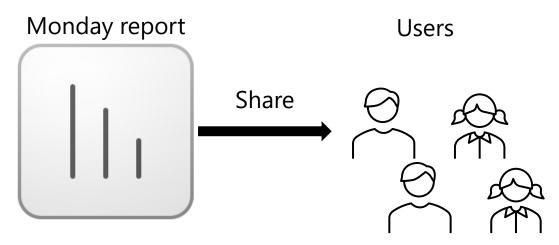
Empowering everyone to do more with data and insights







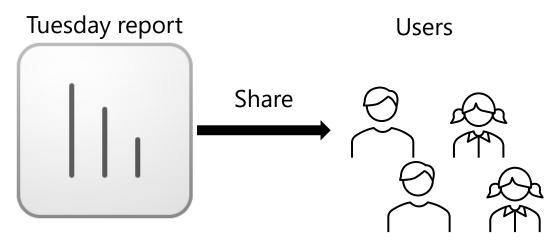
Share with users







Share with users

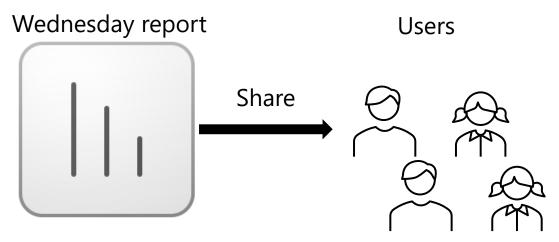






Create new report

Share with users



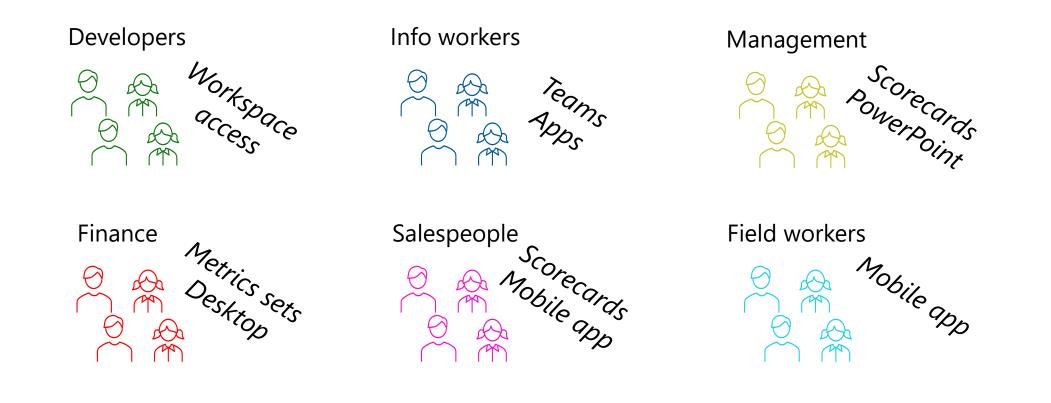






Have you considered different personas

 \cdot Not all users need the same experience/access





Have you considered different personas

- \cdot Not all users need the same experience/access
- Make users happier and more productive by tailor the experience to the use scenarios









Making data more accessible to a wider range of people within an organization, by breaking down barriers that prevent people from accessing, analyzing, and utilizing data effectively.

Part one Self-service Consumption

- OneLake Catalog
- Metrics Hub
- Copilot



Domains and subdomains

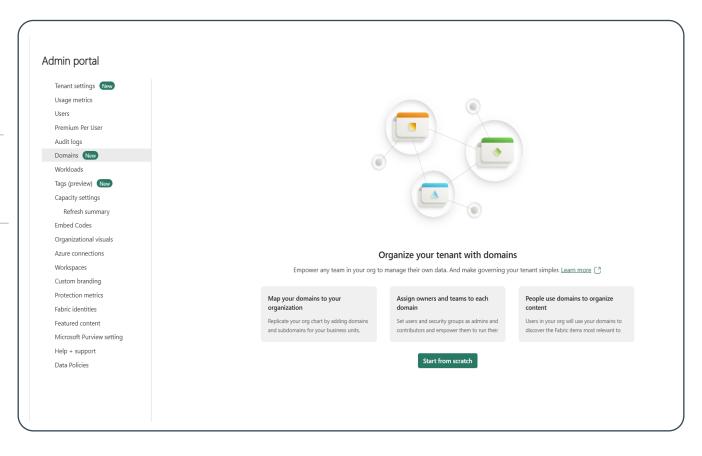
Structure data per business needs, allowing granular control, optimized consumption

Implement a **data mesh** pattern by **logically grouping** data relevant to a particular area (e.g. Sales, Finance) in **domains** & **subdomains**

Optimize consumption & find relevant data faster by filtering / finding content by domains

Gain granular control per business needs by delegating setting to domain-level

Domains Management enabled also via Admin REST APIs, and traceable via domain Audit log activities





Tags (Public Preview)

Enhance data governance and **consistency** by allowing Tenant Admins to define **tags** relevant to their organization

Enhance item **curation** & **discoverability** by allowing **Data Owners** to apply relevant tags to their items

Optimize consumption & find relevant data faster by filtering / finding content by tags

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OneLake catalog

Complete catalog for data discovery, governance & insights in Fabric

Unified view of org-wide data estate to

streamline cross-teams collaboration on data, processes, insights, and Al.

Easily **explore your data** and manage inplace.

Effectively govern data at scale by gaining insights on data, recommended actions, and available tooling.

Integrated directly into Microsoft 365, Microsoft Copilot Studio, and Azure Ibiza experiences.

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OneLake catalog Catalog (+) / Discover, use, and manage data from your organization, and beyond. Learn more about the OneLake catalog 🖸								
(+) Create	Discover, use, and manage data	All items by	Tags (preview)				Q Filter by keyword	
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OneLake catalog demo



Metrics hub

• The home for Metric sets (preview) and Scorecards

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Scorecard demo

Metric set demo





A whole new way to work

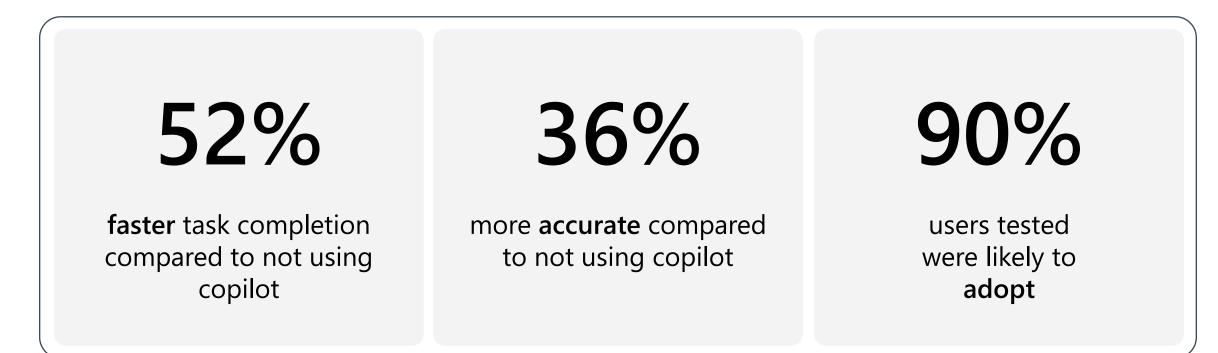


Copilot enhances consumer productivity by addressing creator bottlenecks, helping to better interpret data to answer "What" and "Why" questions



Why Copilot

Unlock the full potential of your data



SOURCE: Based upon n=209 randomized control study conducted by Microsoft Corporation in October 2024 that measured four common metrics associated with the consumption experience of Power BI in Microsoft Fabric and compared it to users that did not use copilot. Qualitative sentiment gathered upon task completion. Actual results may vary.



Copilot

- · Fabric provides context specific Copilots, including
 - · Copilot for Data Factory
 - · Copilot for Data Science and Data Engineering
 - · Copilot for Data Warehouse
 - · Copilot for Real-Time Intelligence
 - · Copilot for SQL database
- \cdot We will focus on Copilot for Power BI

Copilot for Power BI

"Developer" experiences

- · DAX Query View Copilot
- \cdot Copilot to create measure descriptions
- Copilot to generate synonyms
- · Create report Copilot

"Consumer" experiences

- Copilot powered narrative visual
- \cdot Copilot to summarize and answer questions about report/semantic model

Copilot for Power BI

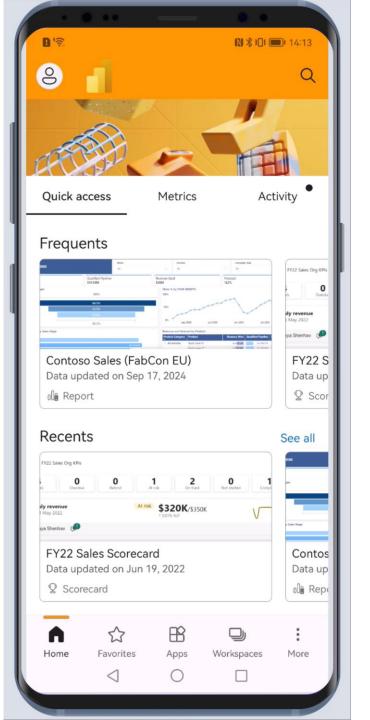
"Developer" experiences

- DAX Query View Copilot
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- ← Copilot to generate synonyms
- · Create report Copilot

"Consumer" experiences

- Copilot powered narrative visual
- · Copilot to summarize and answer questions about report/semantic model

Copilot for Power BI demo



Part two Content Distribution

- Workspace access
- Apps and org apps
- Subscriptions & alerting
- Sharing
- Secure URL embed/SharePoint Online



Workspace access

- \cdot There are four roles on workspaces
 - \cdot Admin
 - \cdot Member
 - \cdot Contributor
 - \cdot Viewer



Workspace access

- \cdot There are four roles on workspaces
 - Admin
 - Member
 - Contributor
 - · Viewer



Workspace access

Viewer role, Fabric (non-Power BI) items

- View and read content of data pipelines, notebooks, Spark job definitions, ML models and experiments, and eventstreams
- **View** and **read** content of KQL databases, KQL query-sets, and realtime dashboards
- **Connect** to SQL analytics endpoint of Lakehouse or the Warehouse
- Read Lakehouse and Warehouse data and shortcuts with T-SQL through TDS endpoint
- **View** execution output of data pipelines, notebooks, ML models and experiments



Workspace access Viewer role, Power BI items

- \cdot View and interact with an item
- \cdot **Read** data that's stored in workspace dataflows
- Create subscriptions to reports
- \cdot Can receive subscriptions created by others



Apps and org apps

• The best way to organize and distribute content for consumers

Feature 👃	Apps	Org apps			
Status	GA	Public Preview			
Туре	Power BI items	Power BI & Fabric items			
# of apps	1	Multiple			
# of audiences	25	Coming			
Content	Power BI reports, Paginated reports, and links	Power BI reports, Notebooks, Real-Time Dashboards, and links			
Customization	Limited options, e.g. 22 colors	More options, including custom colors			
Access propagation	Works for items in app workspace	Works across workspaces, also include automatically revocation (semantic models)			
Share options	Creators can share	Creators can share, and consumers can reshare (<i>if allowed</i>)			

Org apps demo

Subscriptions

- \cdot Get email with Power BI/Paginated report (or dashboard)
- Setup delivery frequence once a day (after refresh), hourly, daily, weekly, monthly
- \cdot Send to one or more emails, also external emails
- · Attach report
 - Power BI report in PDF or PowerPoint
 - · Paginated repot in XML, csv, PDF, Excel, Word, or PowerPoint
- Optionally, create dynamic subscriptions with personalized report to each recipient



Configure alerts in Power BI reports

- \cdot Utilize Activator which is part of Real-Time Intelligence
- · Create alerts on individual visualizations
- \cdot Specify rules, e.g. alert me when sales become greater than 80% of target
- Act by sending Teams message, Email, invoke Power Automate flow, or execute Fabric item
- Ability to create advanced rules, like only alert me when number of customers has been below 50 for 2 hours



Sharing – Fabric and Power BI items

- \cdot Fabric items for consumers
 - $\cdot\,$ E.g. Notebooks and Real-time dashboards, Org apps, Metric set
- \cdot Most Fabric items can be shared, but are "backend" items
 - E.g. Lakehouse, Warehouse, Data pipeline
- \cdot Power BI
 - E.g. Reports & Semantic models



Sharing – general options to read content

Sharing option	Meaning		
People in your organization	Everyone in the organization will have access to the item. Does not work for external or guest users		
People with existing access	Generate a link to people who already has access to the item. No permissions is granted		
Specific people	Allow to specify who to share item with		
You can also share Power Bi content in mobile app			

Sharing, additional permissions – a few examples

- \cdot Notebook
 - · Share (reshare)
 - Edit
 - · Run
- \cdot Power BI report
 - · Share (reshare)
 - \cdot Build permission
- \cdot Semantic model
 - \cdot Modify (write)
 - · Share (reshare)
 - \cdot Build permission

Secure URL embed/SharePoint Online

 Options to share reports without requiring consumers to go to Power BI Service

Secure URL embed

- Works with Power BI reports and Paginated reports
- \cdot Link directly to report or embed to webpage using HTML

Securely embed this report in a website or portal

Here's a link you can use to embed this content.

https://app.powerbi.com/reportEmbed?reportId=27c6bf73-c606-417d-8a16-4c0a8d6213ec{

HTML you can paste into a website

<iframe title="DW1 report" width="1140" height="541.25" src="https://app.powerbi.com/r

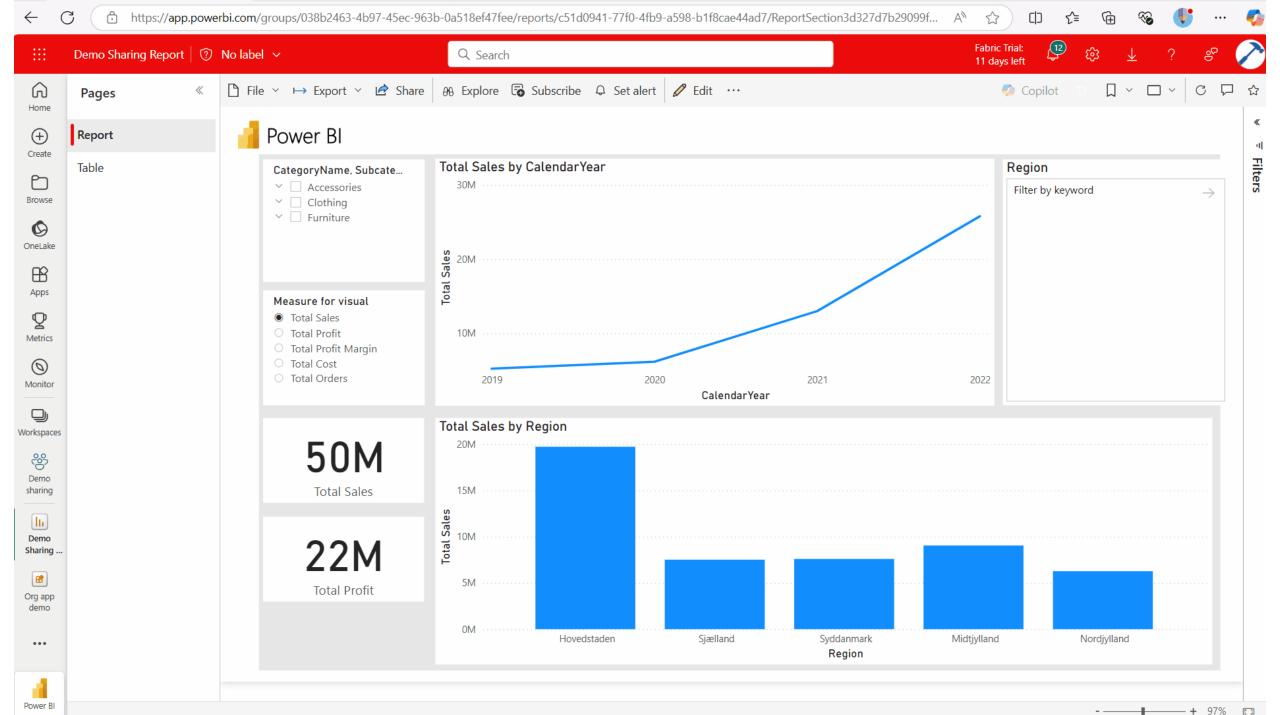
Explore more embedding options in our Power BI embedded analytics playground



X

Secure URL embed

- \cdot Works with Power BI reports and Paginated reports
- \cdot Link directly to report or embed to webpage using HTML
- \cdot Customize URL to set filters and/or page name
- \cdot Consumers need view permission to the reports



— + 97% 🖸

- -----



SharePoint Online

- \cdot Works with Power BI reports
- Power BI web part for SharePoint Online modern pages

Embed link for SharePoint

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Use the link below to securely embed this report in a SharePoint page. Learn more

https://app.powerbi.com/reportEmbed?reportId=44a04e38-cb04-400c-a5d1-3c6ca17079d9

Close

SharePoint Online

- \cdot Works with Power BI reports
- · Power BI web part for SharePoint Online modern page
- \cdot Consumers need view permission to the reports

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Part three Contextual Experiences

- Power BI Mobile apps
- Power BI in PowerPoint
- Power BI in Teams
- Power BI in Excel



Power BI Mobile apps

Drive a data culture

Apple[™] App Store 4.7

4.7 Google[™] Play

>reviews than all 50 others combined

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Power BI Mobile apps

Drive a data culture

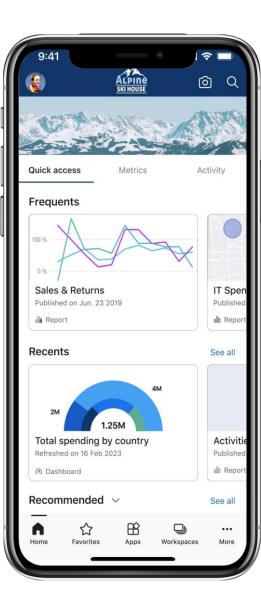


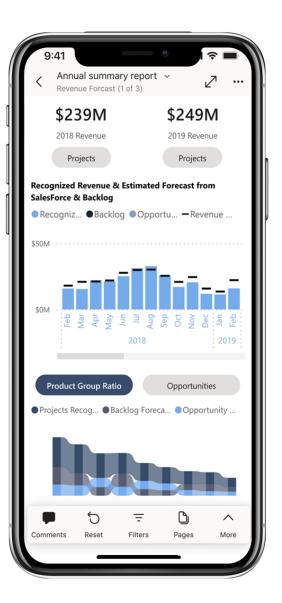
Decision makers

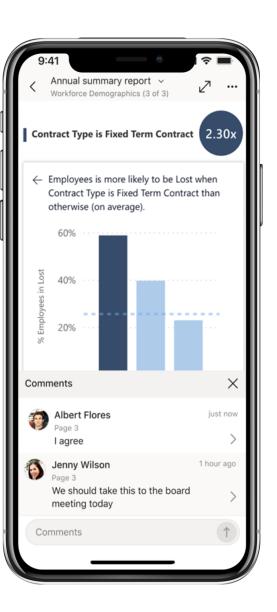
On the go

Beyond the office boundaries

Mobile optimized experiences

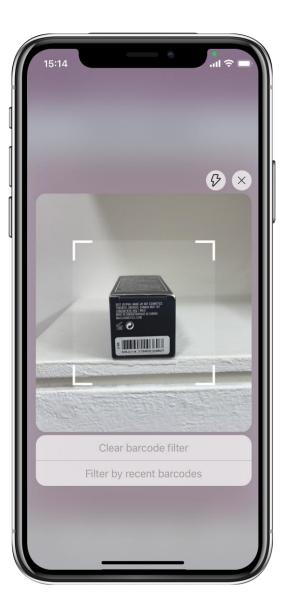






Mobile first experiences

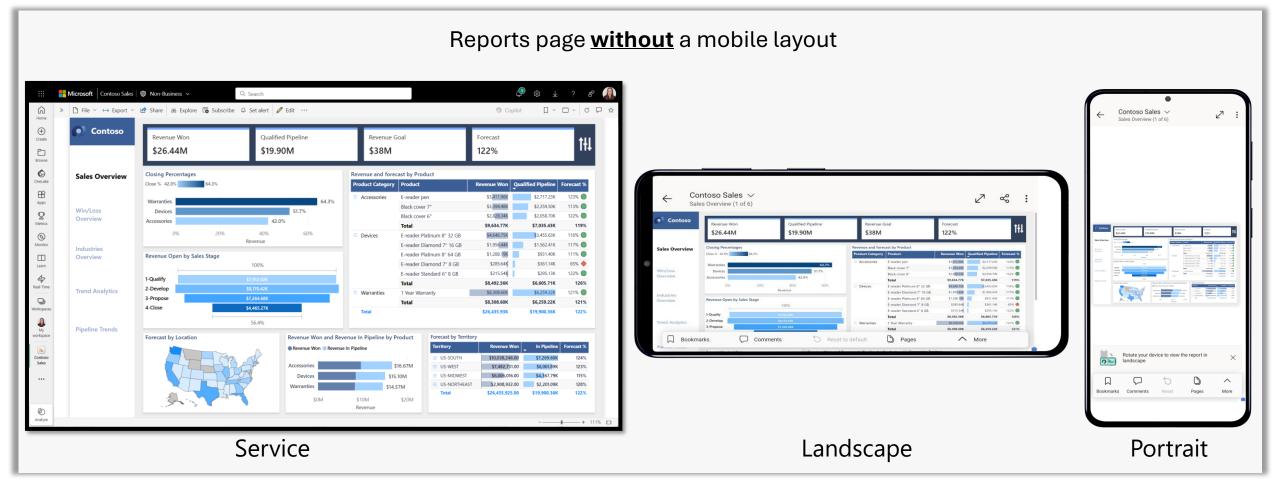






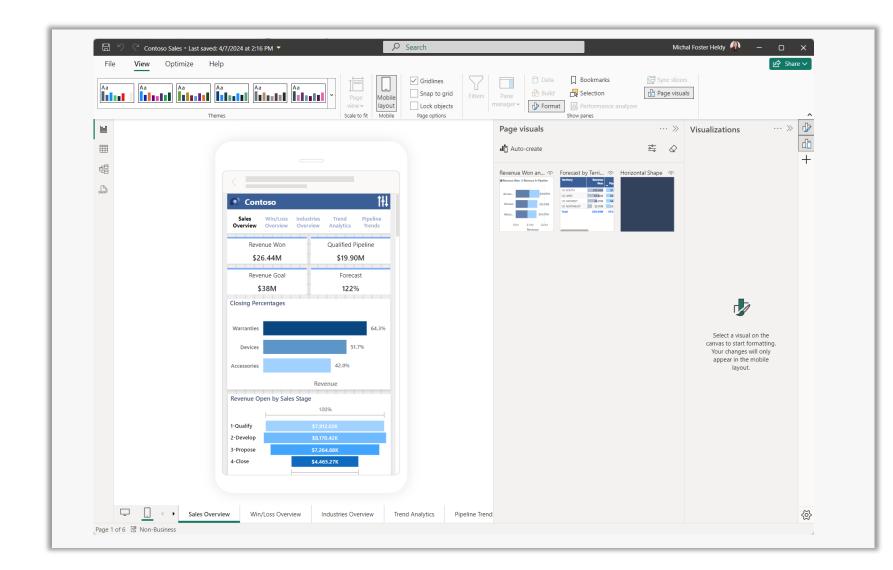
Mobile Layout – Quick Overview

Creating mobile layout for report is **optional**.

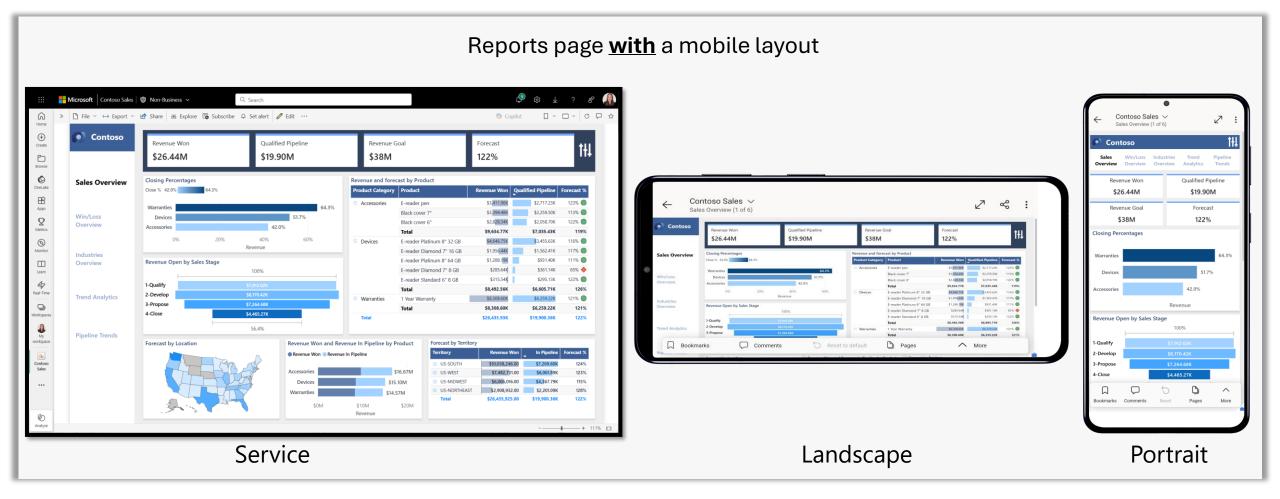


Mobile Layout – Quick Overview

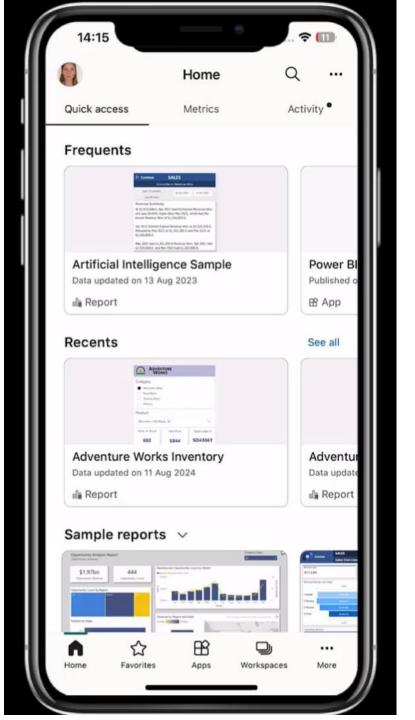
Creators can create a mobile layout for any report they build.



Mobile Layout – Quick Overview



Mobile app demo



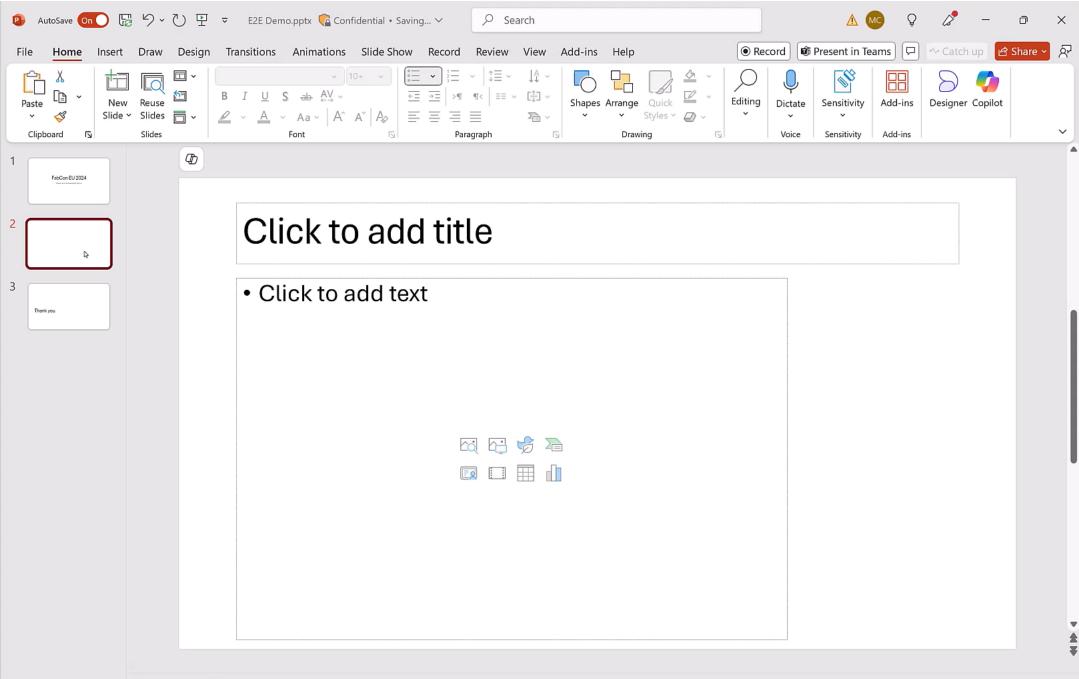
The Power couple



Enhance your PowerPoint presentations by integrating them with Power BI to create dynamic, data-rich slides.

This effective combination enables you to engage your audience with real-time data insights and visually appealing visualizations, ensuring your presentations are both informative and captivating.

PowerPoint demo 1



Click to add notes

Power Bl in PowerPoint



The data is live and up-to-date, boosting your productivity when you need to prepare to a recurring meeting.

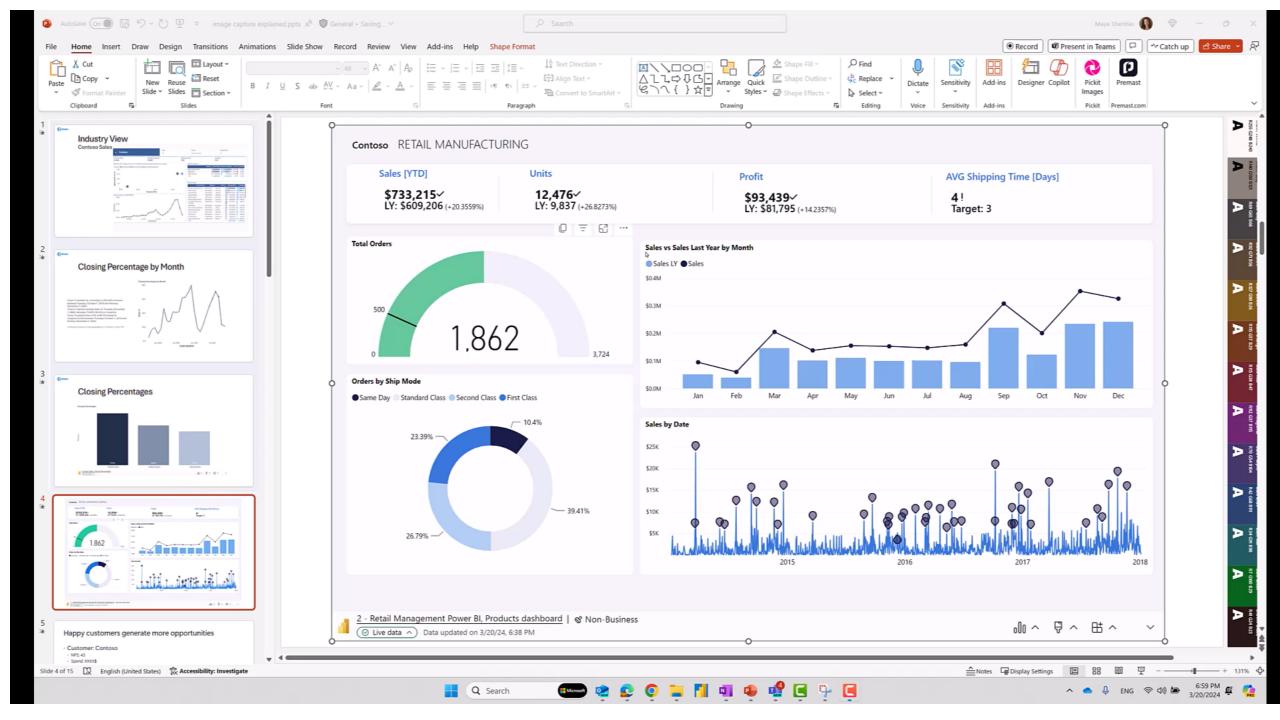


The data is interactive, enabling you to react instantly and address questions raised while you are presenting.



The presentation becomes a central hub where you can curate set of Power BI content from various workspaces and apps.

PowerPoint demo 2



Power BI in PowerPoint and Continuous slideshow



A continuous PowerPoint slideshow loops slides until stopped, perfect for audiences arriving at different times.



Used in Kiosk mode for public displays.



Integrate Power BI with PowerPoint to monitor KPIs and display them centrally, boosting transparency and shared priorities.

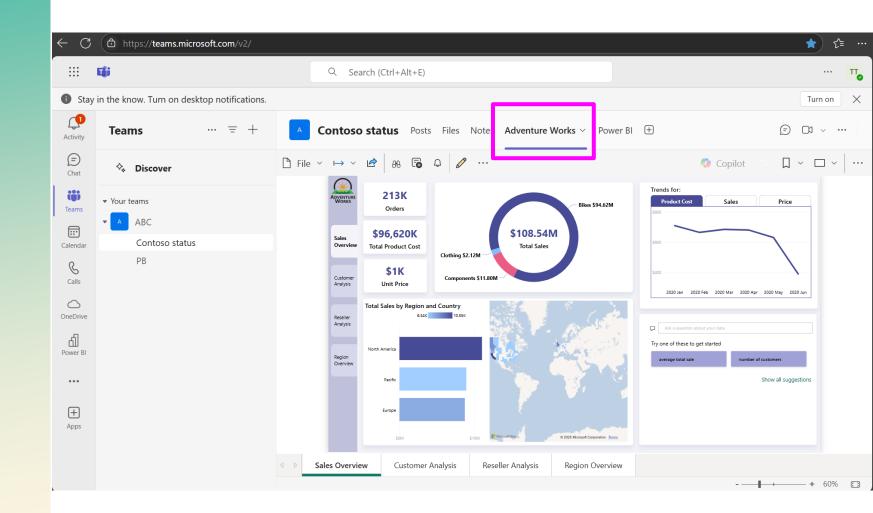
Power BI in Teams | Overview

Power BI is integrated in Teams in multiple experiences, allowing users to apply insights from Power BI to their teamwork and communication

Power BI in Tabs

Add a Power BI item (report, app etc.) to a chat or channel as a tab.

Incorporate data into your daily collaboration to ensure it is easily accessible and contextually appropriate.

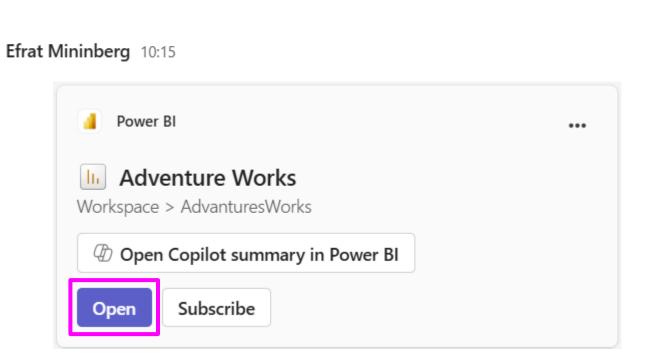


Power BI link preview

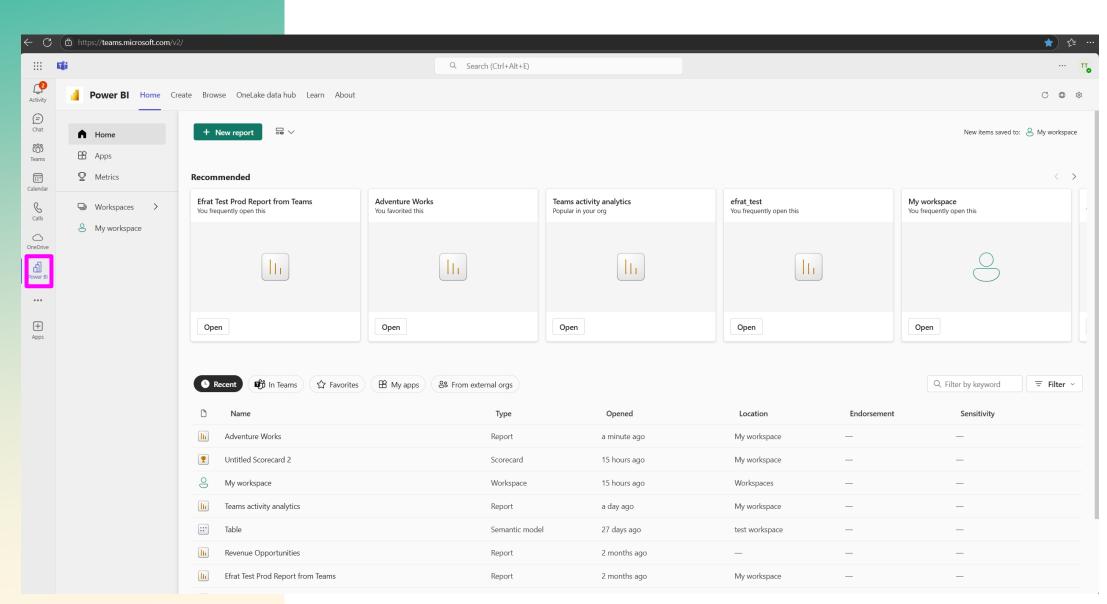
Send a Power BI link via chat/channel in Teams.

Access Power BI items easily through a link preview card with specific shortcut buttons.

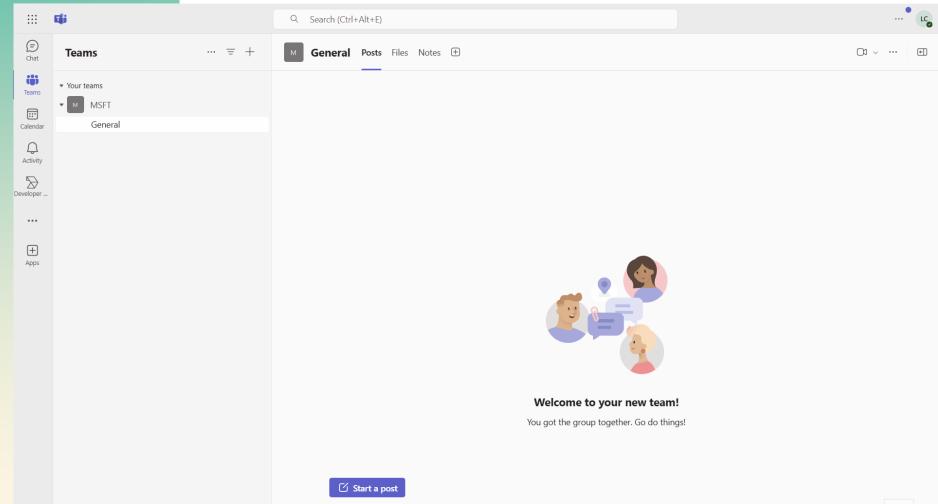
Users can access Power BI items without leaving their primary work environment.



Power BI app

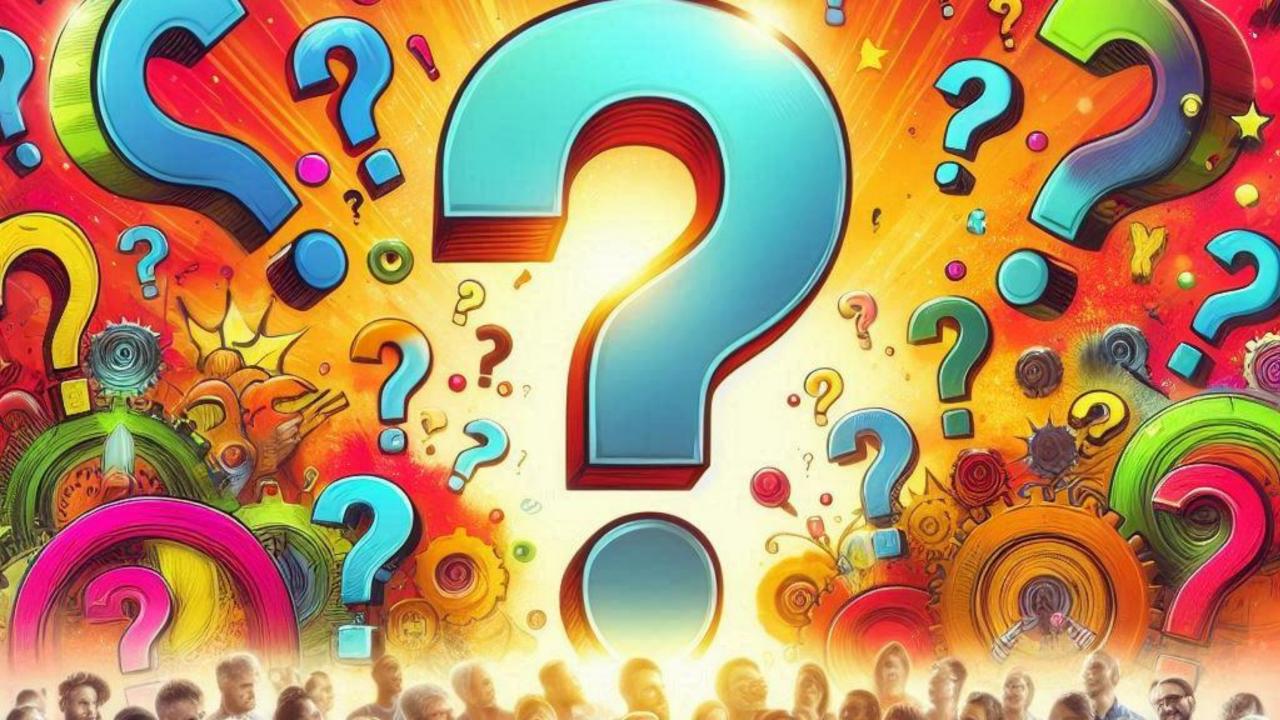


Report in meeting invite



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Session Feedback



Event Feedback

