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WHEN EVERYONE IS A POWER BI "OWNER": NAVIGATING THROUGH CHAOS OF ENTERPRISE SELF-SERVICE BI



“INSIGHTS FROM IN-HOUSE ENTERPRISE”

Roman Tesolkin
Power BI administrator & Data Engineer
Allianz Global Investors

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WHERE MOST GOVERNANCE FRAMEWORKS DON‘T WORK



CONSULTING

IN-HOUSE IMPLEMENTATATION



Roman Tesolkin

he/him

Power BI Administrator

Allianz Global Investors

Data Adventurer, MS Fabric & Databricks Engineer,
Data Enthusiast and Workshop Trainer
originally from Ukraine

MS Fabric, Power BI, Data Engineering, Databricks,
Data Governance, Big Data Analytics

Hands-On Hobbies: Drone building & 3D Printing

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Frankfurt am Main, Germany

Agenda



- From Consultant to In-House: A New Perspective on Data Governance
- Turning the Governance Model Upside Down
- Empowering Teams Without Losing Control
- Lessons Learned: What Worked and What Didn’t
- Practical Takeaways for Modern Data Governance

The Difference Between Consulting and In-House



- Scope and Context
- Governance Approach
- Feedback & Iteration
- Ownership & Impact

Initial Challenges in Large Enterprises





Technical Challenges



Organizational Challenges



Cultural Challenges



Procedural Challenges

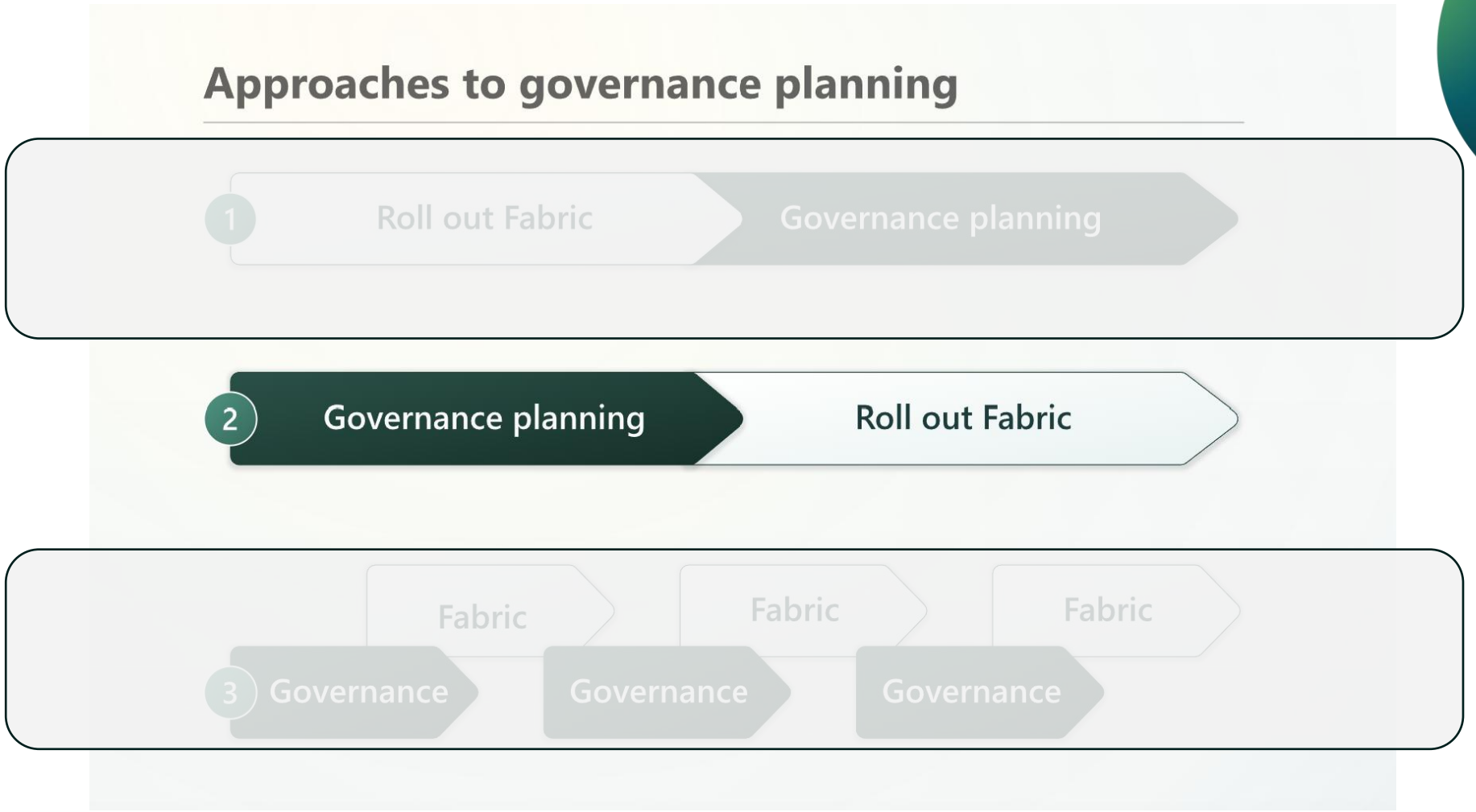
“87% of data access requests are delayed by centralized approvals” Gartner



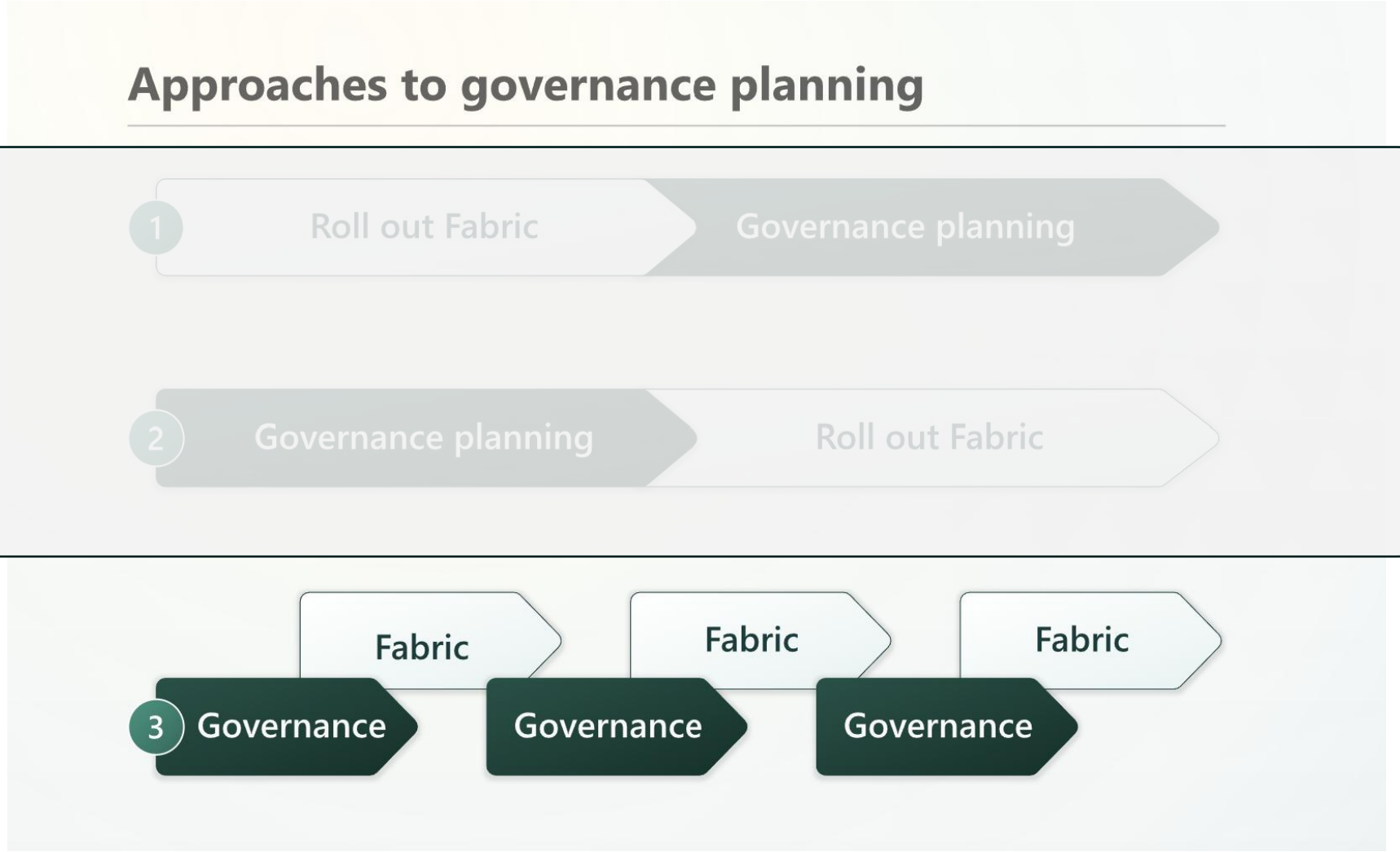
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https://learn.microsoft.com/en-us/power-bi/guidance/fabric-adoption-roadmap-governance



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We have choosen **method 3** to have a balance of control agility





Power BI is being used in the organization for quite some time…

And there still some challenges



- Reports are only used as data extraction tools—users like to export to Excel
- Paginated reports exported as PDFs are consuming all shared capacity
- Power Automate is blocked, forcing business users to code REST API calls (so much for "drag and drop")
- DirectQuery queries timing out on complex data models
- Gateway bottlenecks causing refresh failures



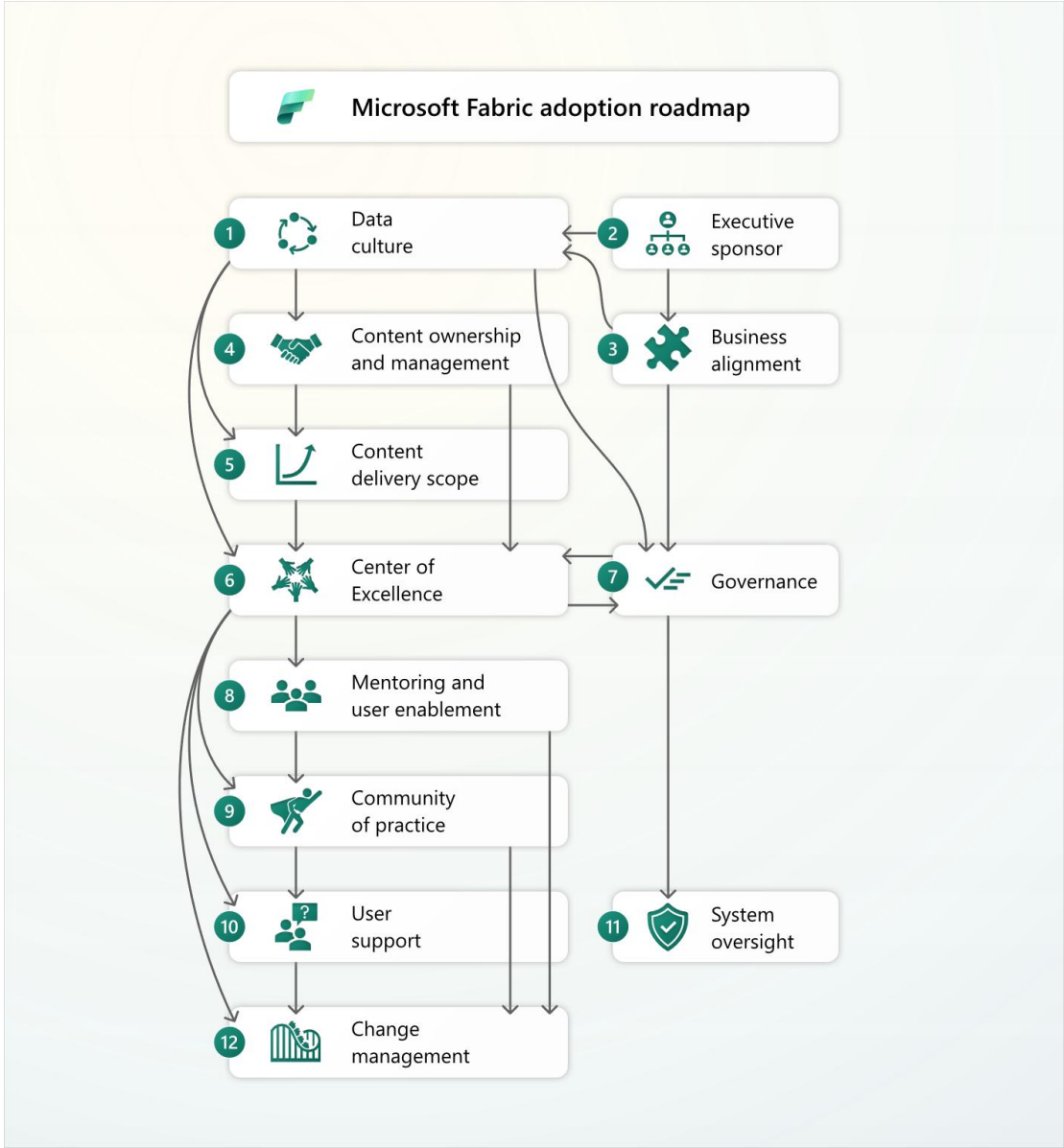
Turning the Governance Model Upside Down



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DATA CULTURE

“It's what you do with data when nobody’s is watching”



https://learn.microsoft.com/en-us/power-bi/guidance/fabric-adoption-roadmap

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EXECUTIVE SPONSOR

= credibility + influence + authority across the organization

In our case: Each squad has a Product Owner



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BUSINESS ALIGNMENT:

To ask business users if Power BI helps them achieve their goals



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CONTENT OWNERSHIP:

One of the most critical decisions: Who owns and manages BI content?



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CONTENT DELIVERY SCOPE:

personal, team, departmental, and enterprise



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CONTENT MANAGEMENT:

Good Center of Excellence doesn't control everything. It empowers everyone



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GOVERNANCE:

Our policies aren't there to slow people down. They're there to keep everyone safe while moving fast



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MENTORING AND USER ENABLEMENT:

Governance without mentoring is just rules. Mentoring turns those rules into enablement



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COMMUNITY OF PRACTICE:

When the community is strong, governance becomes self-reinforcing



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https://www.linkedin.com/in/basdohmen/?originalSubdomain=de

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USER SUPPORT:

Good support isn't about doing instead,but providing guidance for self-service



CHANGE MANAGEMENT:

Without change management, every update is chaos



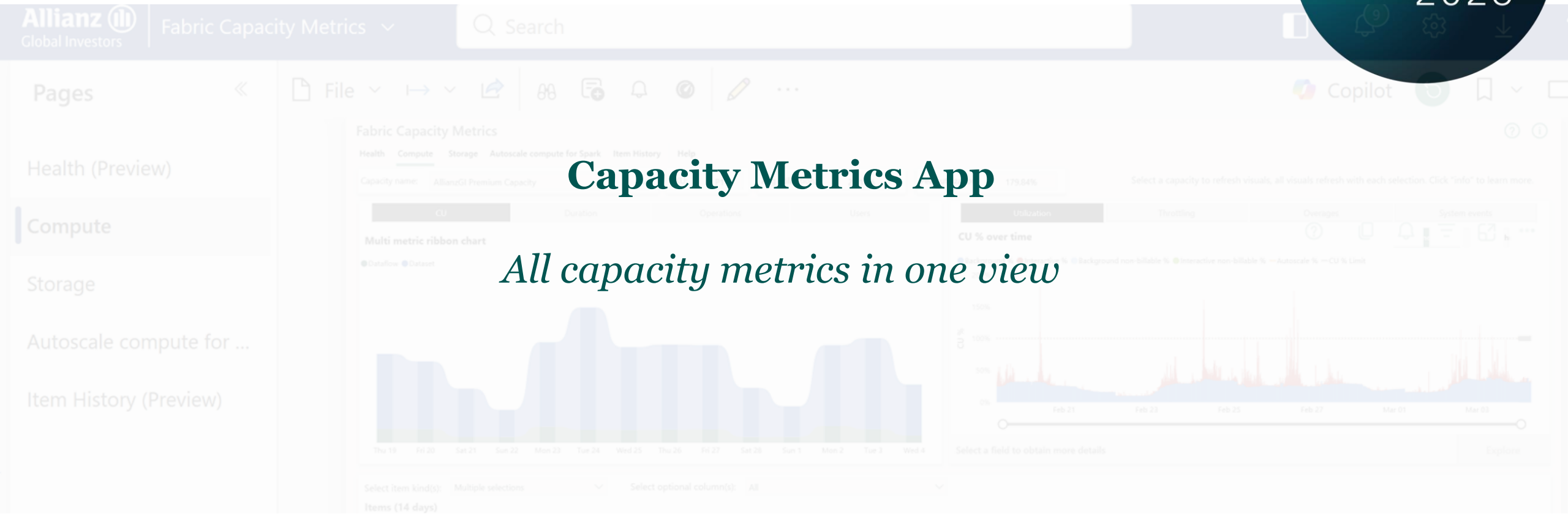
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SYSTEM OVERSIGHT:

Good support isn't about doing instead,but providing guidance for self-service



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Capacity Metrics App

All capacity metrics in one view

[Install the Microsoft Fabric capacity metrics app - Microsoft Fabric | Microsoft Learn]



Fabric Workspace Monitoring Report

If the Capacity Metrics App tells us the 'what' — this tells us the 'why'

Install the Microsoft Fabric capacity metrics app - Microsoft Fabric | Microsoft Learn

Fabric monitoring map

The monitoring stack, what we know.

We all know the current monitoring stack of Power BI/Fabric, which we love. However, there are different scenarios, where we need more data, relations and insights to our environment telemetry and inventory data.

Fabric tenant

Admin Monitoring
tenant level

- Feature Usage & Adoption **Artifact Inventory**
- Purview Hub **Endorsments**

OneLake Hub
tenant level

Capacities
capacity level

- Capacity Metric App **Capacity Utilization**

Workspaces
workspace level

- Workspace Monitoring **Trace logs in Fabric Eventhouse**

Items (e.g Semantic Model)
engine level

- Semantic Model Logs **Reports, other tools**
- INFO.VIEW() **DAX Formulas**

The Crew

Possible focus areas of your crew in Fabric monitoring

„Captain, how can we deep dive without interruptions?"

„Captain, we need more insights!"

Platform Owners

Capacity Owners

Workspace Owners

Report Owners

Pro Developers

FUAM monitoring stack

Fabric Unified Admin Monitoring **enables a holistic monitoring** on top of Power BI/Fabric environment and follows a seamless breakdown analysis approach.

Fabric tenant

Environment
tenant level

- **Tenant overview** with enriched info
- **Item & User activities** with anomaly detection
- **"What is happened on my tenant?" - Analysis** Comprehensive insights of the entire tenant by days

Capacities
capacity level

- **Historical Capacity Metrics** with refresh metrics
- **Intelligent Outlier Analysis** Top N items with high CU usage

Domains
domain level

- **Domain Overview** with related capacity, activity and inventory data

Workspaces
Workspace level

- **Workspace characteristics + Workspace Monitoring (if needed)** With enriched info about items, capacity metrics activities, etc.

Items
engine level

- **e.g. Semantic Model Meta Data Analyzer** Advanced analysis of item meta data
- **Semantic model Insights** enriched with CU utilizations, refresh history and more

Seamless breakdown analysis between levels

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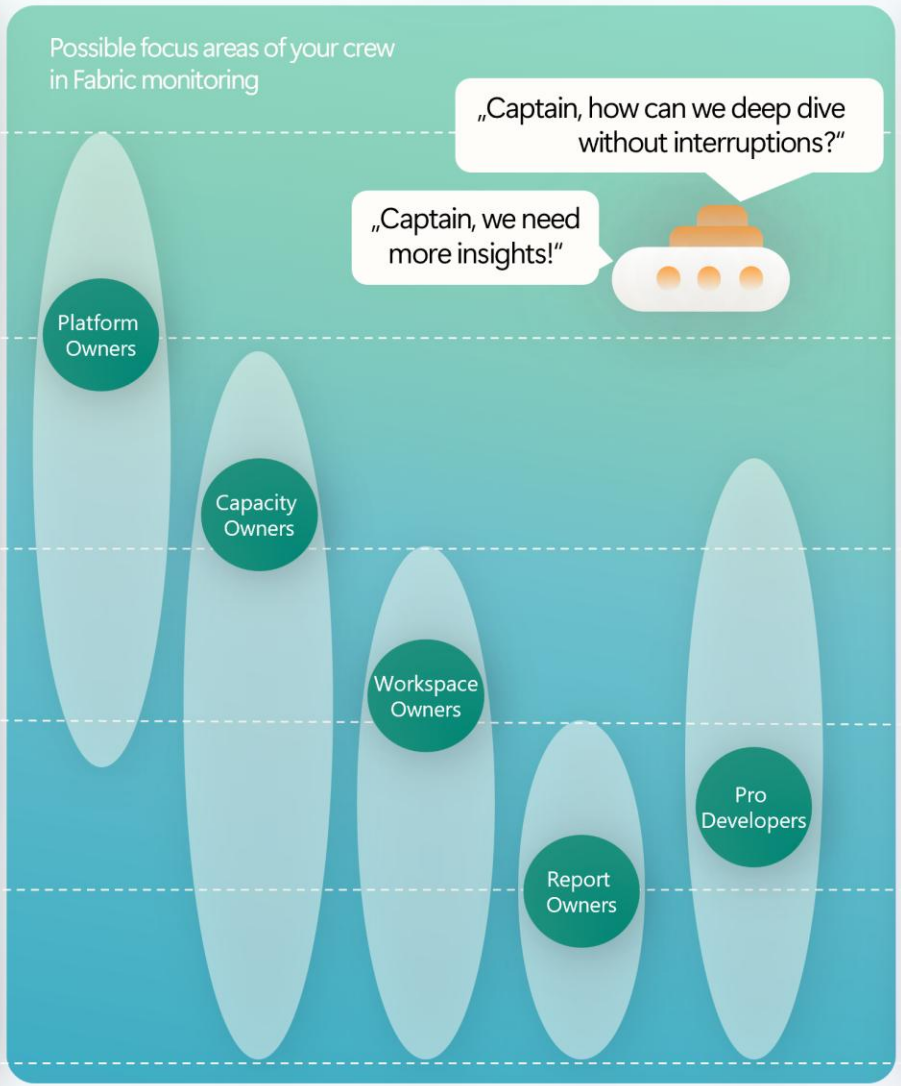
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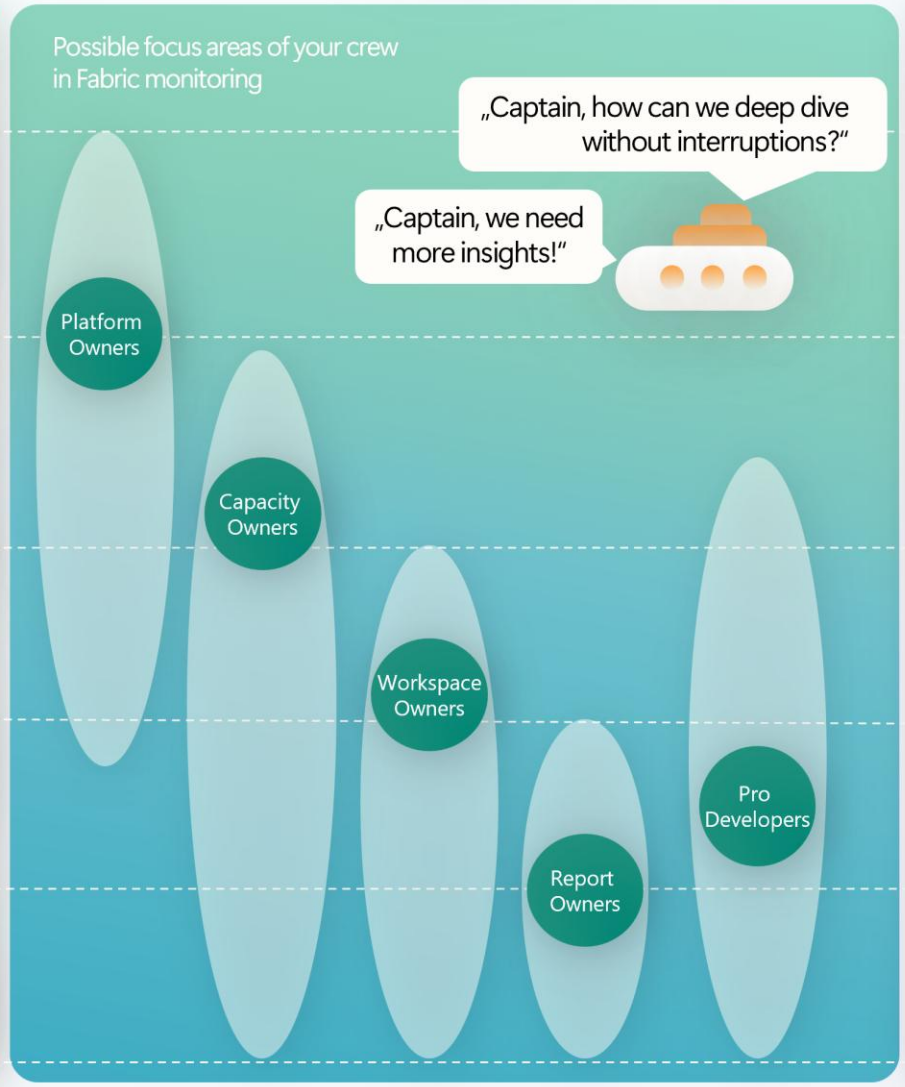
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Fabric Unified Admin Monitoring:

Solution accelerator for Fabric platform admin monitoring



This New Fabric Monitoring Tool Made My Job 10x Easier!

YouTube · Guy in a Cube

16 Apr 2025



How to Deploy Fabric Unified Admin Monitoring (FUAM)

YouTube · Level Up Your Data

2 May 2025

[fabric-toolbox/monitoring/fabric-unified-admin-monitoring/README.md at main · microsoft/fabric-toolbox]

DEMO TIME





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Change is about people, not technology, fancy tool or processes

Got feedback or questions?
Share 'em! Your thoughts fuel my data journey ;)

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