Use AI To Make Your Data Job Easier (and More Fun)

Matt Gordon

Fabric Community Conference – March 27, 2024

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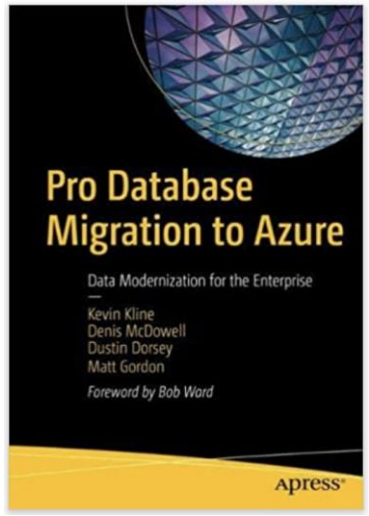

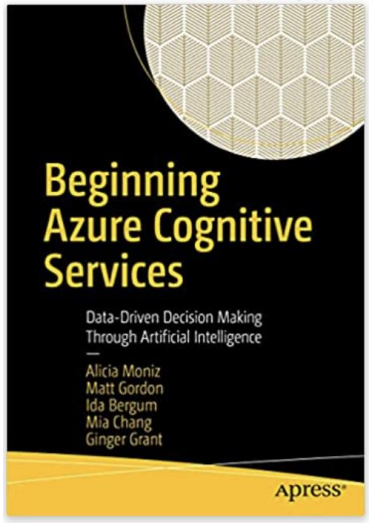

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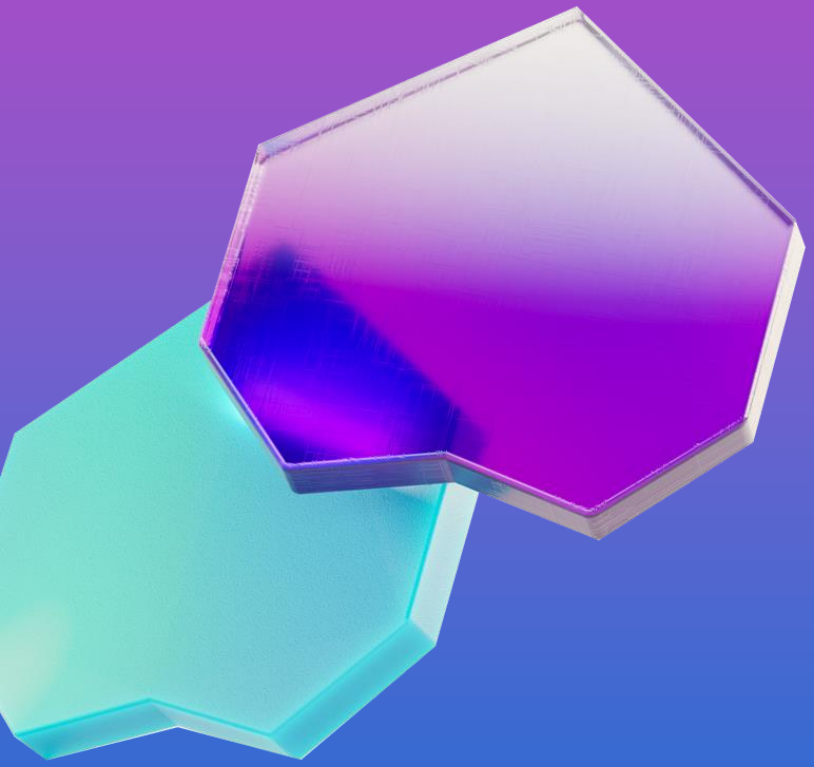
Become eligible for a free Microsoft Certification exam by completing one of the 4 challenges in the Microsoft Learn AI Cloud Skills Challenge.

Engage with the Fabric Community…

there's something for everyone!



aka.ms/FabricCommunity

Ask and answer questions in the Fabric Community forum

aka.ms/FabricUserGroups

Find a user group in your area or to match your interests

Community Lounge Meet Ups

Check Whova for official meetups with user group leaders, MVPs, Super Users and more!

Meet Speakers & the Product Group

Check Whova for the full schedule of speaker Q&A and PG meet & greets in the Community Lounge.

Session feedback surveys

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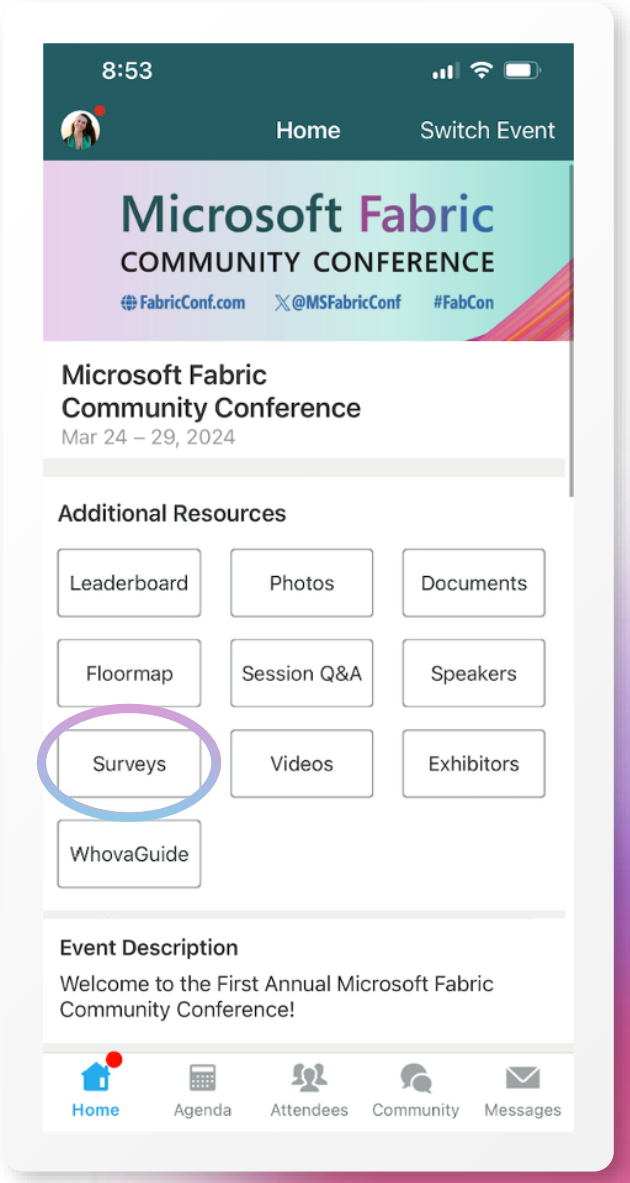

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Whova

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The official event app for the

Microsoft Fabric Community Conference

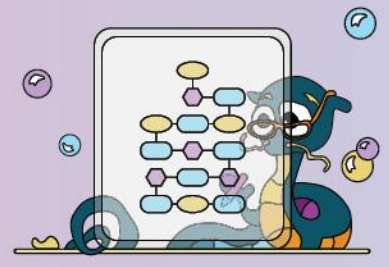
Join the event app to access:

- Event announcements
- Personalized agenda, session details
- Speaker & attendee profiles
- Event documents
- Networking, meet-ups, messages

3RD ANNUAL

empOWER everyone

Microsoft Power Platform COMMUNITY CONFERENCE

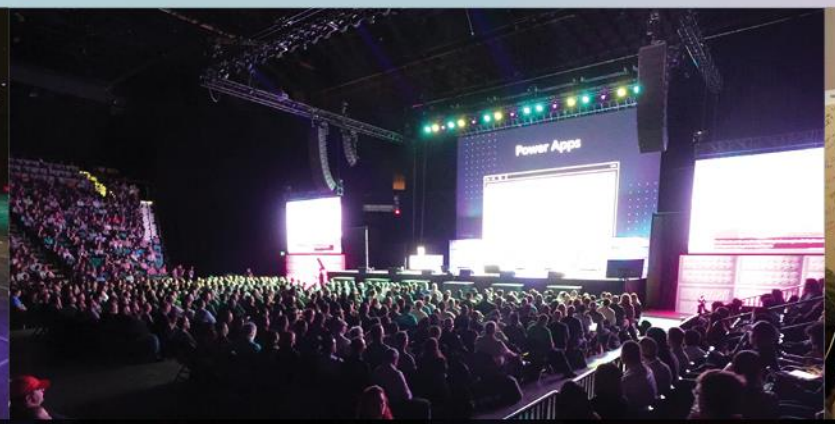


POWER BI | POWER AUTOMATE | POWER APPS | POWER VIRTUAL AGENTS | POWER PAGES

SEPT 18-20, 2024 • MGM GRAND LAS VEGAS, NV

Workshops Sept 16, 17 & 21

PowerPlatformConf.com PowerPlatConf



About Me

- 20+ years of on-prem/cloud SQL experience
- Worked with Azure AI since 2017
- Find Your User Group: https://bit.ly/49jo8Eh
- My User Group: https://aka.ms/lexdtg
- Leader of Lexington, KY (USA) Data Technology Group

I FOR ONE WELCOME
OUR NEW ROBOT OVERLORDS
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What Is AI (and What Isn't It)?

- The media says it's ChatGPT
- Some people say it's a lot of hype
- My son said "it's just a bunch of if/then statements that run really fast"
- Oxford Languages says it's "the theory and development of computer systems able to perform tasks normally requiring human intelligence, such as visual perception, speech recognition, decision-making, and translation between languages."

What Is AI To Data People?

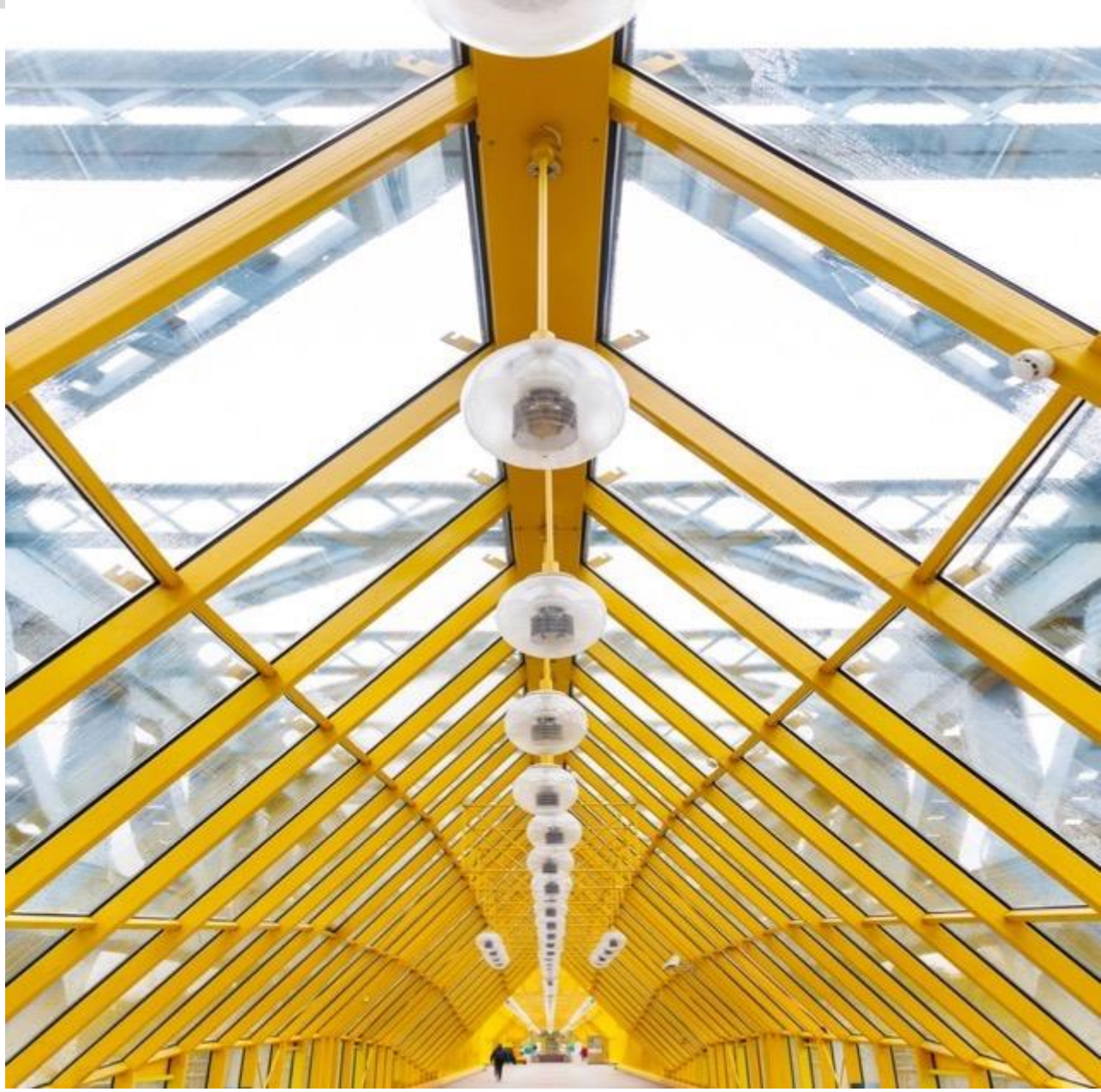
- It’s Copilot experiences in our development environments
- It’s a robot tuning our code and our developers’ code
- It’s ChatGPT helping us program in a language we don’t know or breaking coder’s block if we’re stuck
- It’s enabling accessibility for people who have physical challenges to typing and other actions
- It’s an annoyance – maybe our manager thinks they don’t’ need us anymore because “the AI” will do it all

Azure Cognitive Services

- Speech
- Language
- Translator
- Vision
- Azure OpenAI
- Rebranding over time (quickly) as Azure AI

How Can I Use Azure AI APIs?

- Logic Apps
- Power BI
- Power Apps
- Power Automate
- Studio “experiences”
- REST API calls



AI-Powered New Employee Welcome Bot

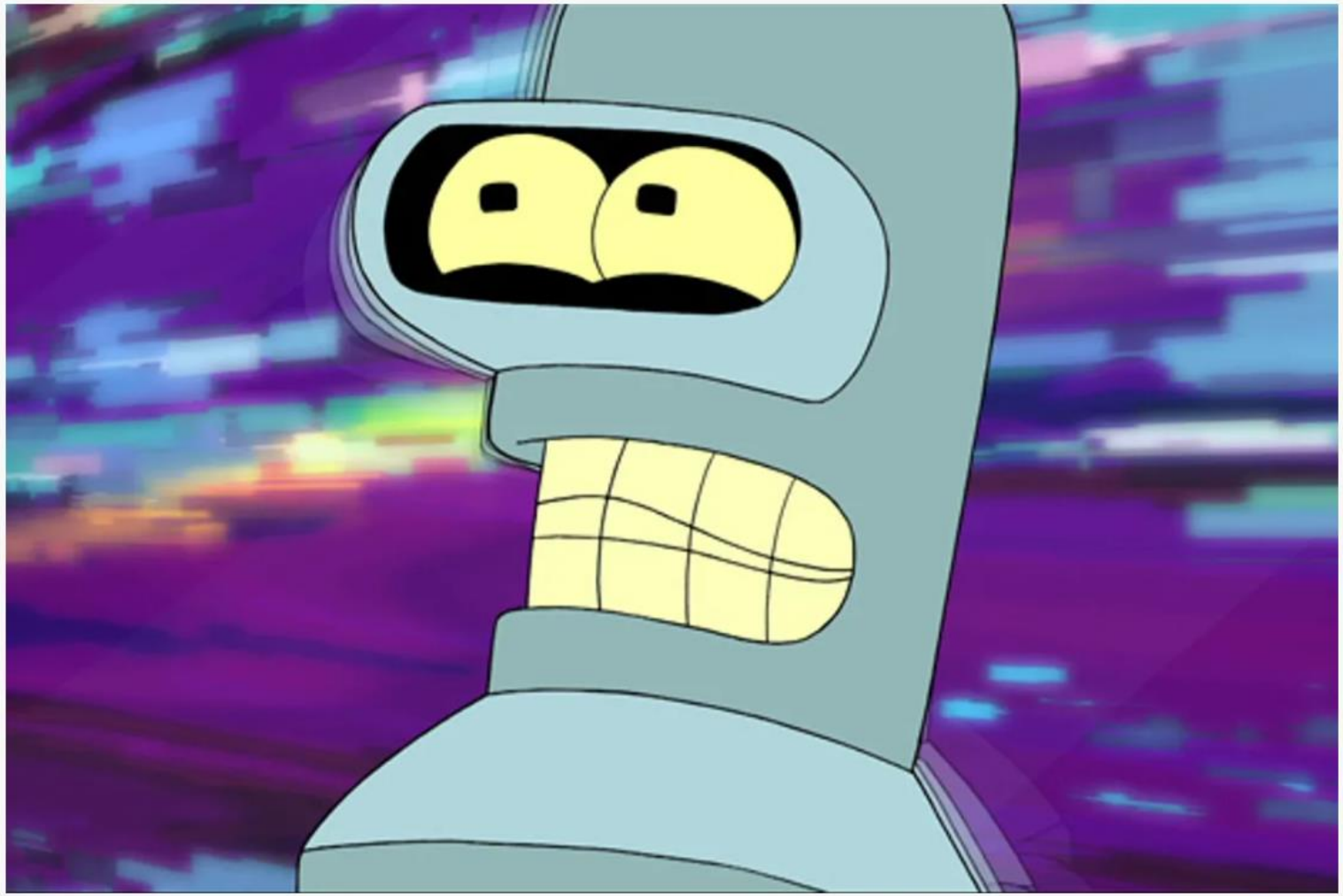


Image credit: FOX/Comedy Central

Copilot in Azure Data Studio

Image credit: Alamy

AI Responds to Angry Emails with Power Automate

Image credit: DriveTribe Facebook/BBC

ChatGPT, Meet My Database

Image credit: New Line Cinema

Database, Meet ChatGPT

Image credit: New Line Cinema

How Will AI Impact Data People?

- It can help us do our jobs
  - Conversation bots to handle mundane and/or repeated questions
  - Copilot experiences in ADS and other tools
  - Automated responses to tickets, emails, etc.
  - Side careers as poets?

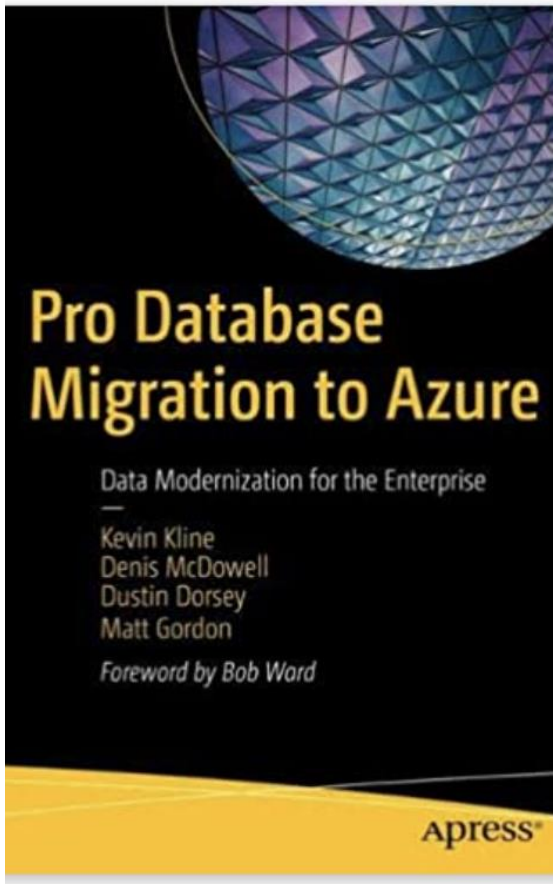
- We’re already surrounded by it

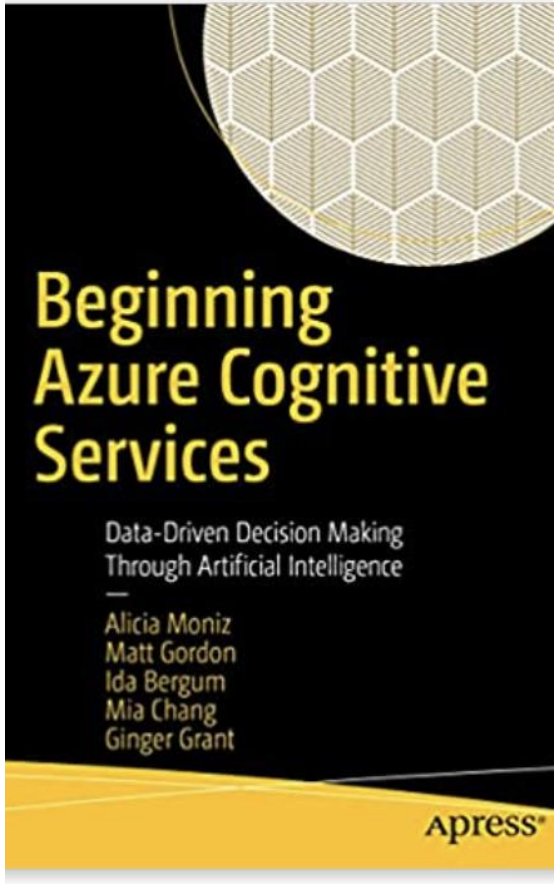
- This session will change every time I present it – that’s the speed of development in this space

- It’s overhyped, but don’t dismiss it – engage with it (and maybe have a little fun)

Resources

- Buck Woody's generative AI session
- Copilot for Azure Data Studio
- GitHub Copilot in Azure Data Studio – Warwick Rudd's presentation
- Language Studio
- Speech Studio
- Vision Studio
- Brian Spendolini's Azure SQL/OpenAI blog
- Buck Woody's Azure SQL/OpenAI Azure Data Studio blog
- Chat with your data in Azure SQL Database





The Slide Where I Sell My Books

- Cognitive Services book
- Database Migration book

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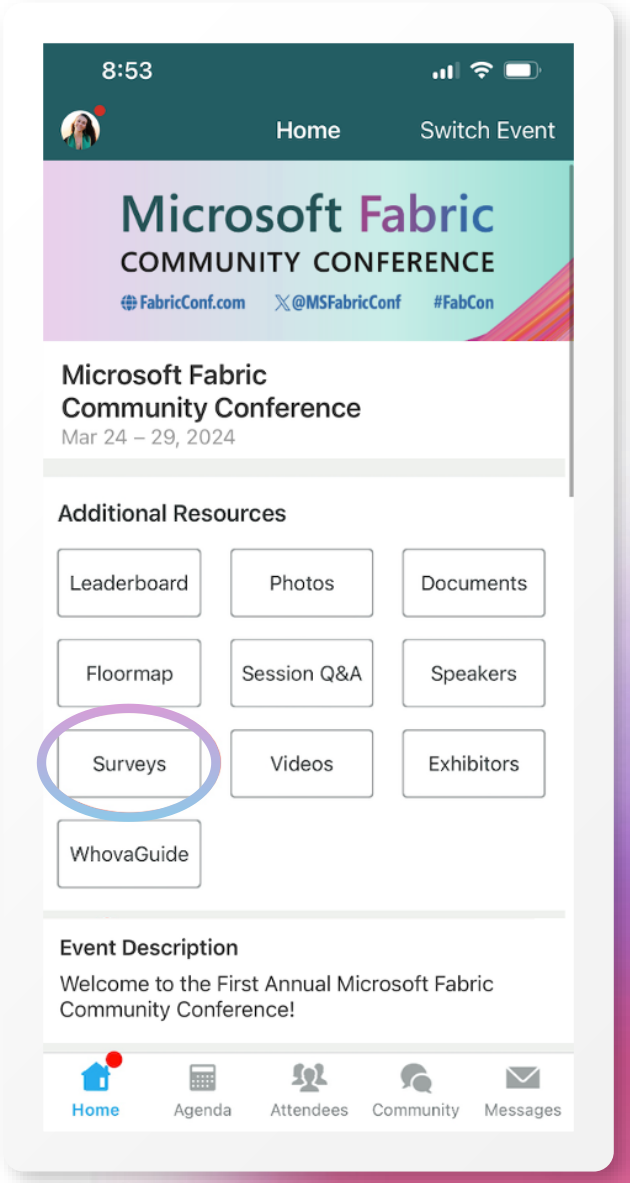

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Thanks For Attending!

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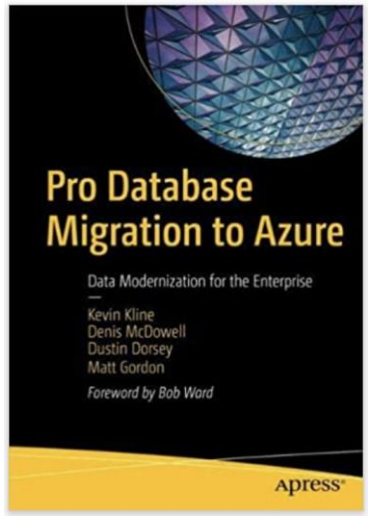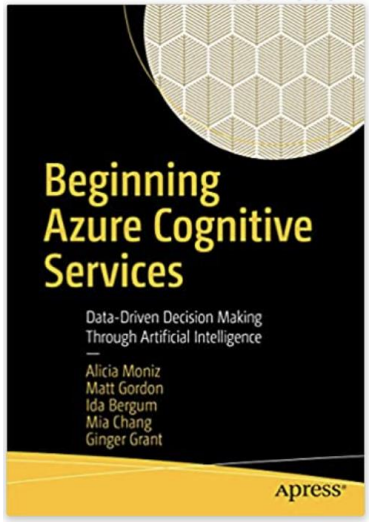
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