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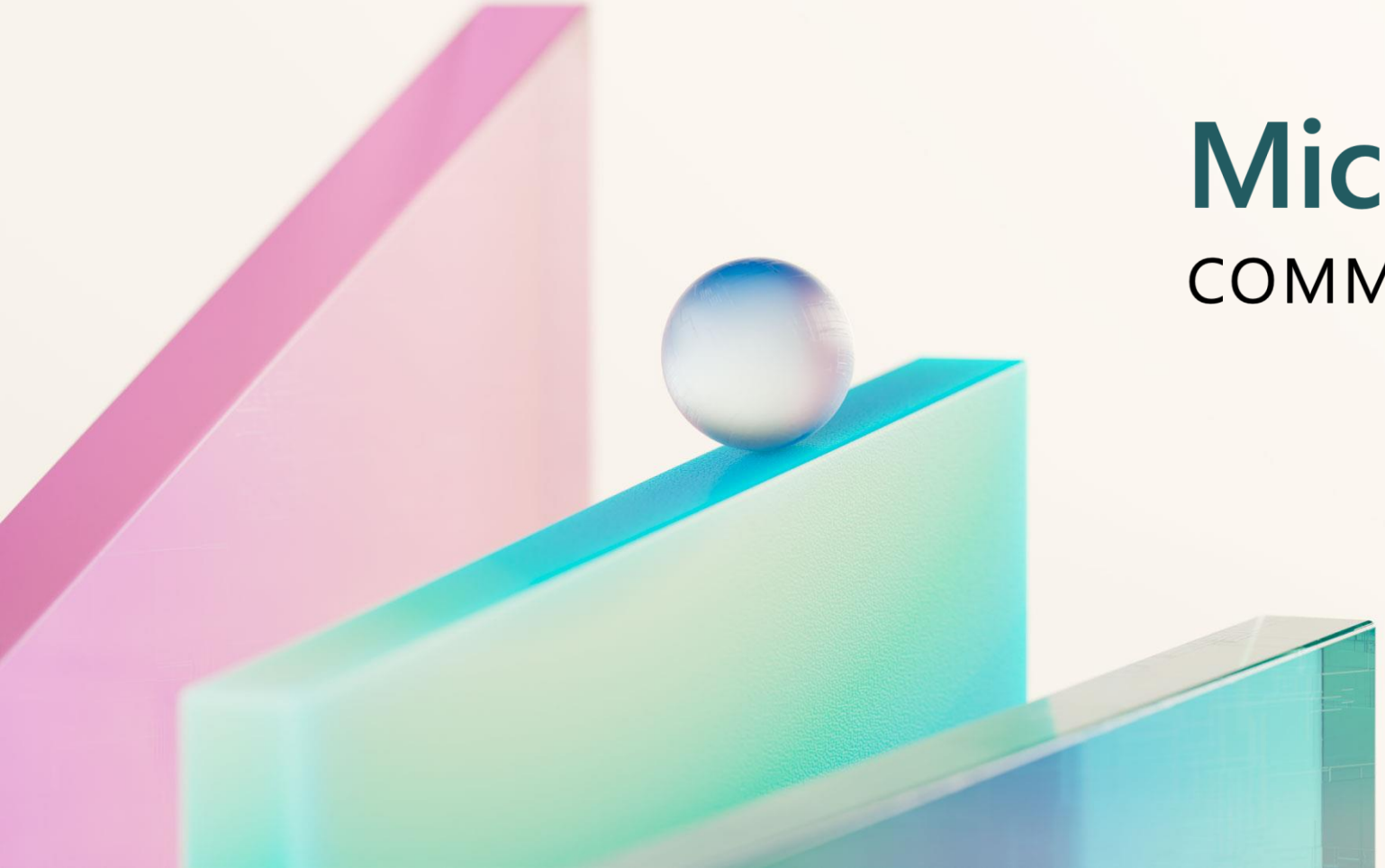

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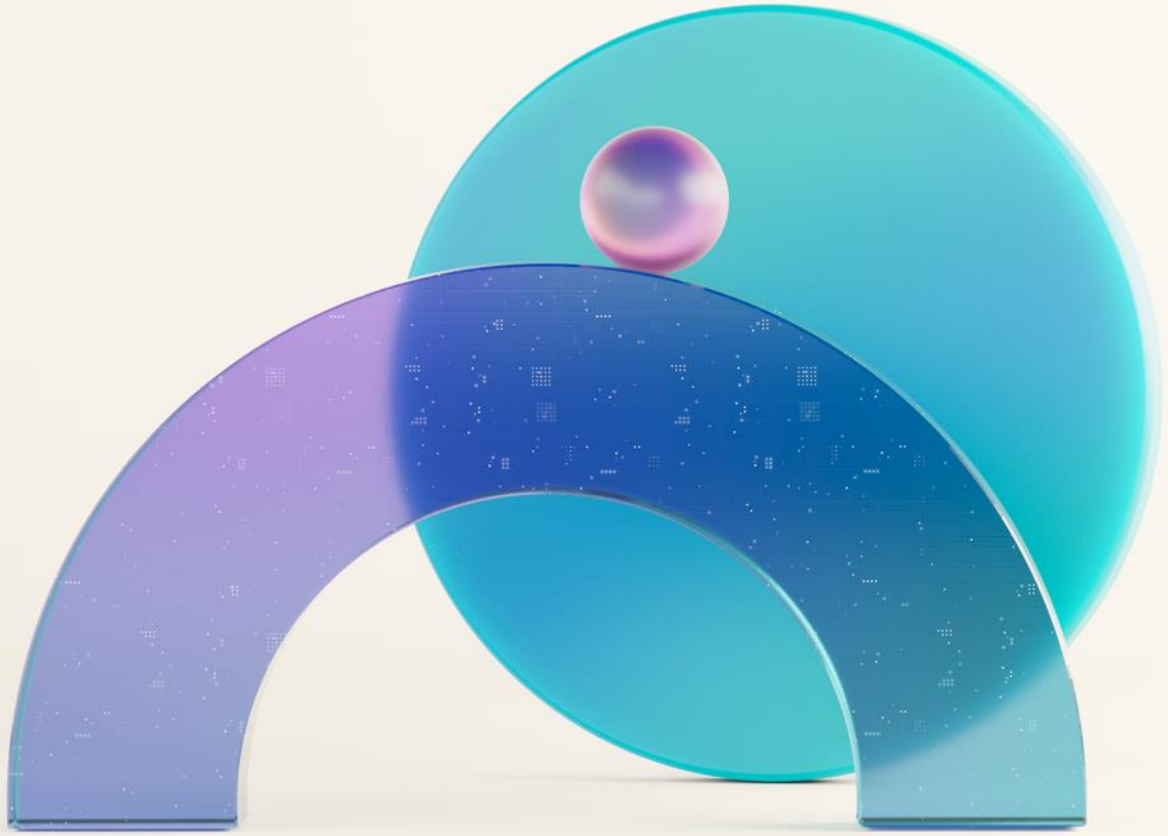

Spark Data Engineering for SQL Server Professionals

Background

- Picking a Data Engineering tool is hard
  - Easy to learn
  - Easy to use
  - Fast and scalable
  - Reliable and easy to debug
  - Fully functional
  - There's lots of choices

- In the on-prem world I think T-SQL is a really good choice.

Spark sounds really great, but…

- Can my people learn it?
- Can I find developers and consultants who know it?
- Will the solutions they build be maintainable over the long term?
- My team knows T-SQL, are those skills relevant in Spark?

If you

Think about data transformation in terms of declarative, set-based operations
Like learning about how your database engine actually works
Know what a CTE is and why they are a hallmark of well-written SQL
Can read an execution plan and see why an operation took the time it did
Know when to use a scalar-valued UDF and when not to
Can solve gnarly problems in SQL, but normally choose to use the right tool for the job

You'll like Spark.

Learning Objectives

- Learn just enough about Spark to start building ETL solutions with Spark SQL
- Map SQL Server ETL patterns to Spark

Demo

Presentation.ipynb

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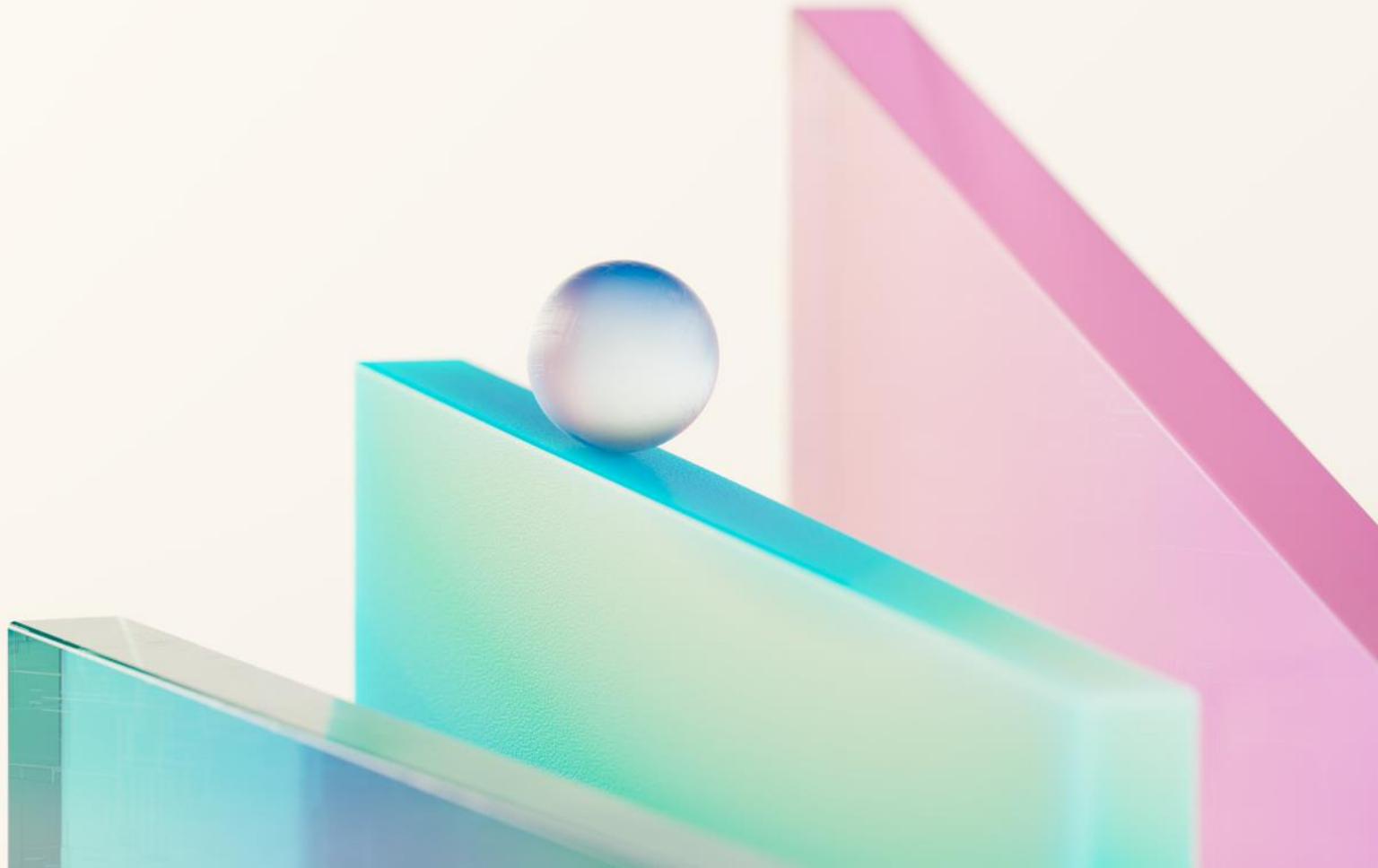
Thank you



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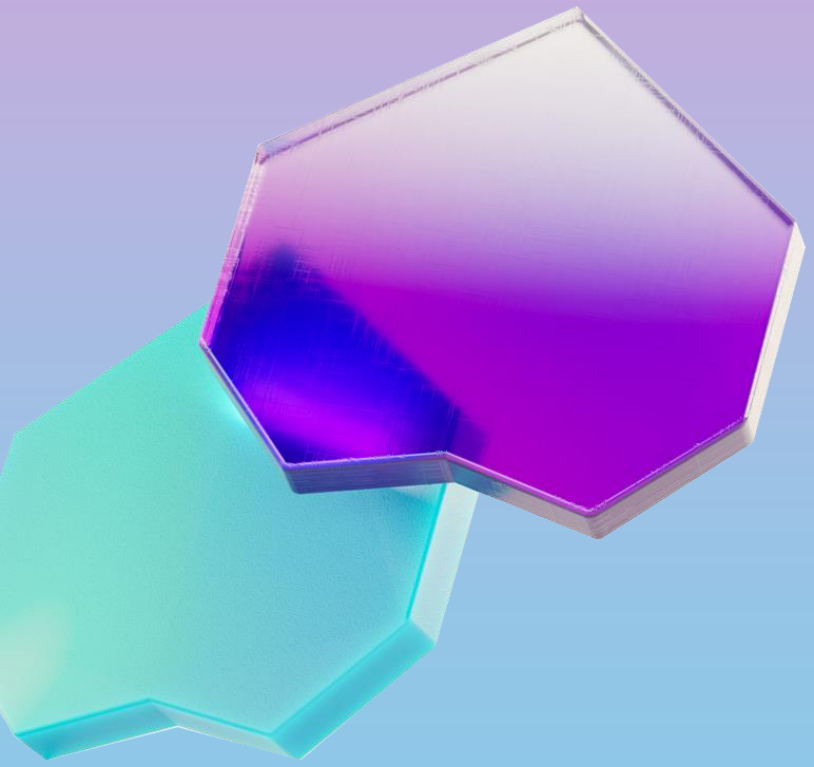

aka.ms/FabricCommunity

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aka.ms/FabricUserGroups

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

Meet Speakers & the Product Group

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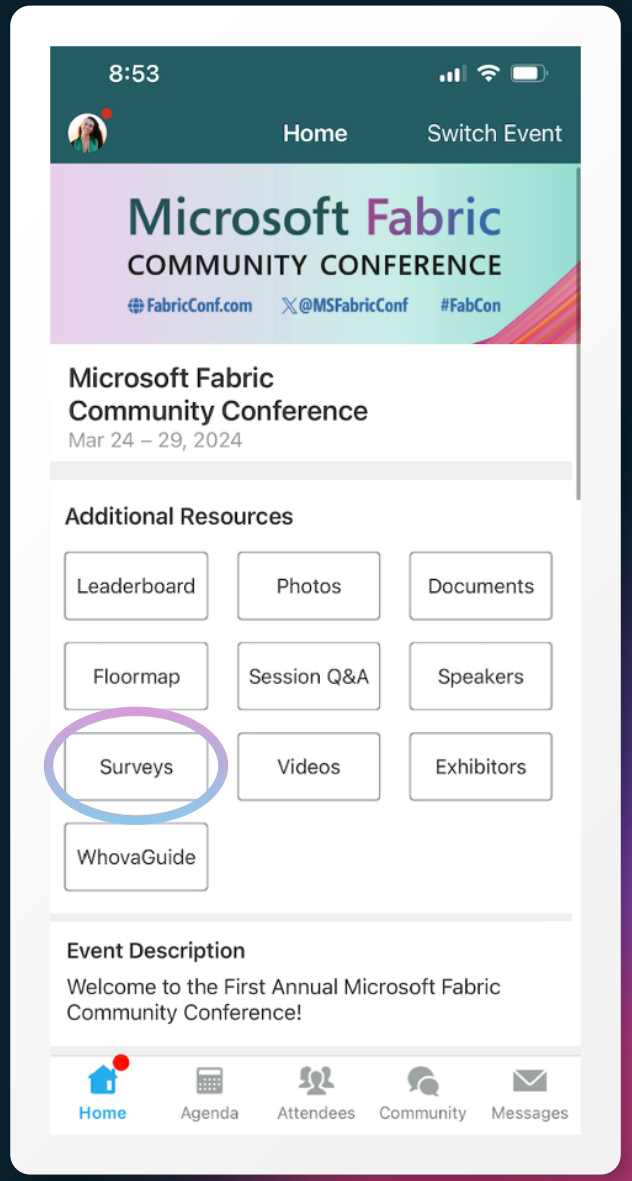
We really want to hear from YOU!

In the pursuit of making next year's Microsoft Fabric Community Conference even better, we want to hear your feedback about this session.

Here's how easy it is!

1. Simply go to the **Whova App** on your smartphone
2. Scroll down on the Microsoft Fabric Community Conference Homepage to '**Additional Resources**' to click '**Surveys**'
3. Click **Session Feedback**
4. Scroll down to find this session title
5. Complete the session feedback survey
6. Finally, click '**Submit**'



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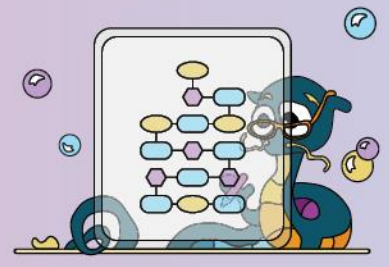
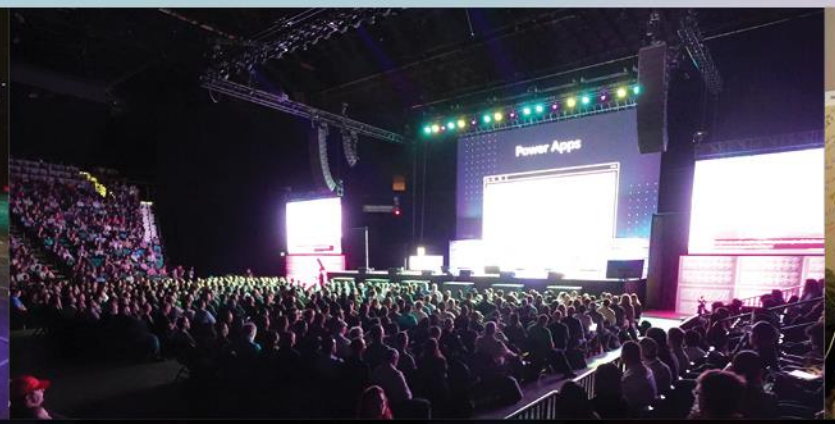
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