Azure Data Studio

New ⌄   Open file

Create a connection
Connect to a database instance through the connection dialog.

Run a query
Interact with data through a query editor.

Create a notebook
Build a new notebook using a native notebook editor.

Deploy a server
Create a new instance of SQL Server on the platform of your choice.

The SQL Server (Jupyter) Diagnostic Book

jupyter

About me

Emanuele Meazzo

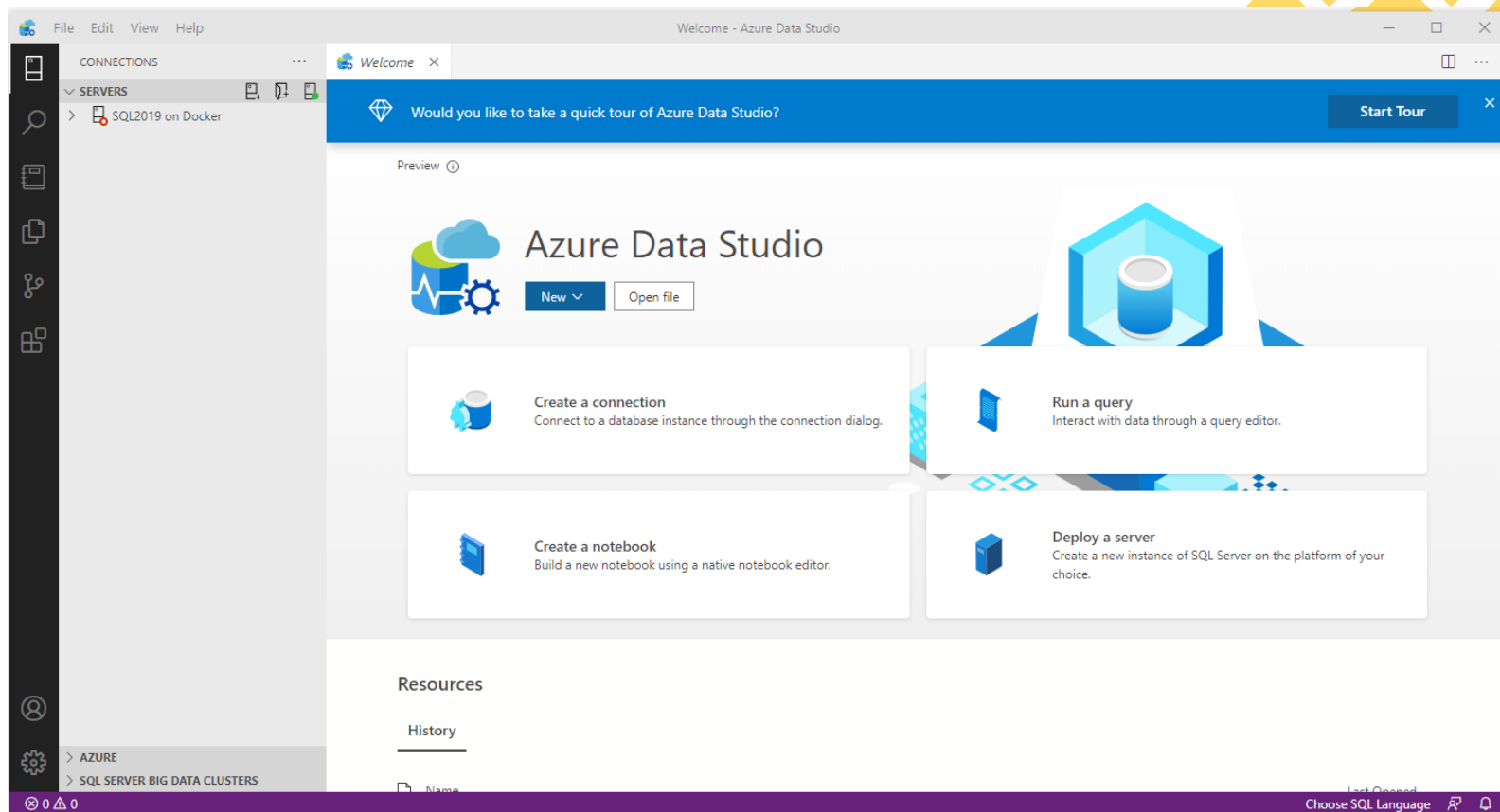Developement DBA, PowerBi Administrator, Azure Data Engineer

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What we'll be talking about

- Azure Data Studio
- Notebooks
- Books
- The SQL Diagnostic Book

Azure Data Studio

(Jupyter) Notebooks in ADS

"Jupyter Notebook is an open-source web application that allows you to create and share documents containing live code, equations, visualizations, and narrative text. Usage includes data cleaning and transformation, numerical simulation, statistical modeling, data visualization, and machine learning."

In short:

1. A notebook is a self-contained JSON file, containing text, source code, rich media output, and metadata.

2. Jupyter Notebooks support different Kernels, i.e. the engine on which the code in the Notebook runs
   Common kernels are Python, Scala, Spark, etc… We'll focus on the SQL Kernel

3. The usefulness for us SQL Guys is having a single file to move around that contains queries, comments (with rich text and images) and query results

(Jupyter) Books in ADS

Crazy enough, a Book is a collection of Notebooks.

The SQL Server Diagnostic Book
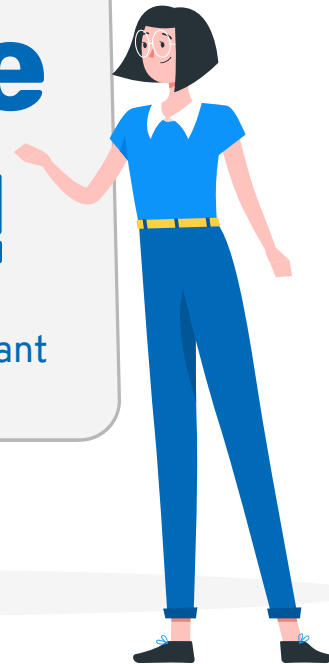
How
It started

What
is about

How
To install it

It's only the beginning!

Send me your ideas and/or queries you want to see included in the book!

Thanks !

Enjoy the rest of the conference!

Check tsql.tech for more info
and materials