

A Practical Starter Guide to SQL Notebooks

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I really want to learn how to use SQL Notebooks but I don't have time to figure it out at work either.

So let's go on a quest to do this stuff together.



Who Am I?

- 20+ years as a DBA
- NESQL Board Member
- Azure Data Community Advisory Council
- Co-Founder, WITspiration
- Speaker Idol Winner 2019
- Idera ACE, Class of 2020
- #Redgate100
- Microsoft MVP – Data Platform



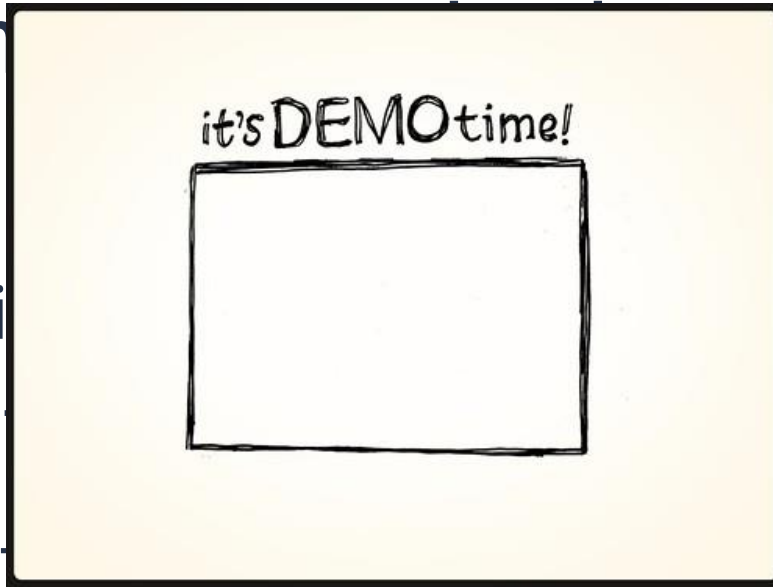
Who Am I?

- I'm the alto section leader in my choir.
- I go to bluegrass jams regularly.
- I've been learning guitar and now mandolin.
- I am a bit of a musical theater geek.
- My husband and I take pictures of our dog doing geeky things.



Agenda

- Get to know the User Interface
- Use Cases
 - ▷ Troubleshooting
 - ▷ Development
 - ▷ Interaction with



“ *Before we continue -
Did we check in our code???*

Advantages of SQL Notebooks

- Documentation
- Ability to save results with the queries
- Can use the same tool for multiple kernels
- Can be run by PowerShell and SQL Agent Jobs
- Monthly Updates to Azure Data Studio
- The Experience team is paying attention

Limitations of SQL Notebooks

- 1 Kernel Per SQL Notebook – Either SQL or PowerShell or Python, etc.
 - Exception – Polyglot Notebooks
- Polyglot is technically still in Preview
- No Execution Plan for the query built in for Notebooks
- Adjustment to a new tool

References

- [Azure Data Studio Git Hub](#)
- Notebooks that show [features from SQL 2019](#)
- List of [nuget package versions](#) for
Microsoft.DotNet.Interactive.SQLServer
- .NET Conf 2022 - [The Power of Polyglot Notebooks](#)
(YouTube)

References (cont'd)

- Microsoft DevBlogs about Polyglot notebooks (with demos)
 - ▷ <https://devblogs.microsoft.com/dotnet/dotnet-interactive-notebooks-is-now-polyglot-notebooks/>
 - ▷ <https://devblogs.microsoft.com/dotnet/net-interactive-preview-3-vs-code-insiders-and-polyglot-notebooks/>
 - ▷ <https://devblogs.microsoft.com/dotnet/net-interactive-with-sql-net-notebooks-in-visual-studio-code/>

References – Community References

- Glenn Berry - [Diagnostic Queries in Notebooks](#)
- Aaron Nelson - [Automating SQL Notebooks](#)
- Rob Sewell - [Module for creating Notebooks with PowerShell](#)

More Resources

- SQLCommunity Slack: #azure-data-studio
- Twitter: @AzureDataStudio

Please fill out the evaluation!

- Feedback link: <https://sqlb.it/?9245>

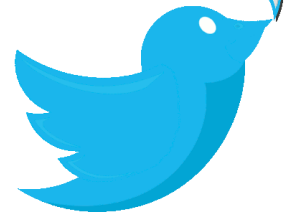


Any Other Questions?

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 - ▷ **DB Scripts:** <https://tinyurl.com/y22ys3oc>



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Thanks for Coming!!!