A Practical Starter Guide to SQL Notebooks

Deborah Melkin

SQL Saturday Albany

July 25, 2020

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 figure out how to do this stuff together.

Own your career with interactive learning built by community and guided by data experts. Get involved. Get ahead.

Explore your PASS community

PASS MARATHON

Free online webinar events

PASS LOCAL GROUPS

Local user groups around the world

PASS SUMMIT

Connect with the global data community

PASS VIRTUAL GROUPS

Online special interest user groups

PASS.org

PASS CONNECTOR INSIGHTS

Learning on-demand and delivered to you

PASS VOLUNTEERS

Get involved

VIRTUAL PASS SQLSATURDAY ALBANY | JULY 25 2020

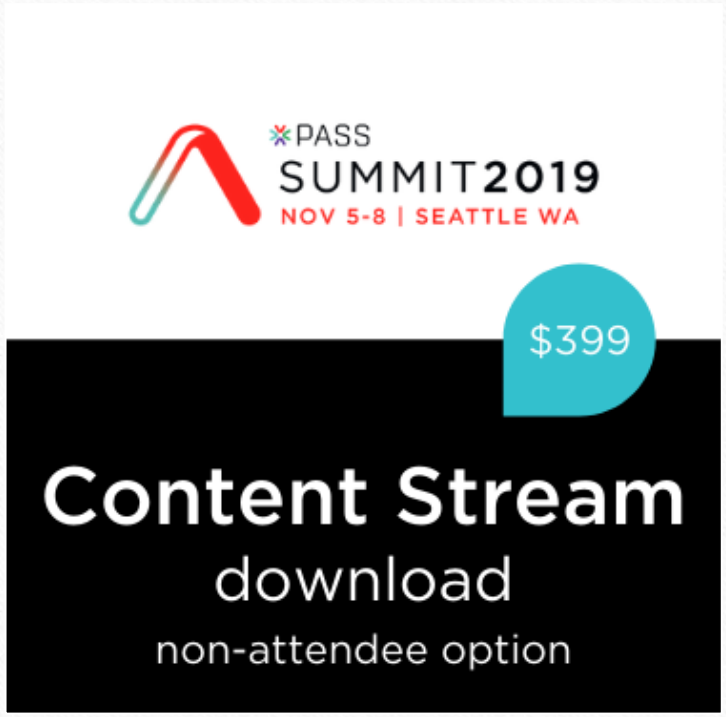
PASS

Missed PASS Summit 2019?

Get the Recordings

Download all PASS Summit sessions on Data Management, Analytics, or Architecture for only $399 USD

More options available at **PASSstuff.com**



We are covering all bases to ensure our community can continue reaching new and exciting heights. Plans are underway for the in-person event you all know and love along with a new venture, a new opportunity: a PASS Summit 2020 Virtual Event.

Find out more at PASS.org/summit

VIRTUAL PASS SQLSATURDAY ALBANY | JULY 25 2020

PASS SQLSATURDAY

Thank you to our Global Sponsors and Supporters

Microsoft

This event was sponsored by Microsoft

Learn more about SQL Server 2019 today:

-Get free training: aka.ms/sqlworkshops

-Download the SQL19 eBook: aka.ms/sql19_ebook

VIRTUAL

PASS SQLSATURDAY

ALBANY | JULY 25 2020

Who Am I?

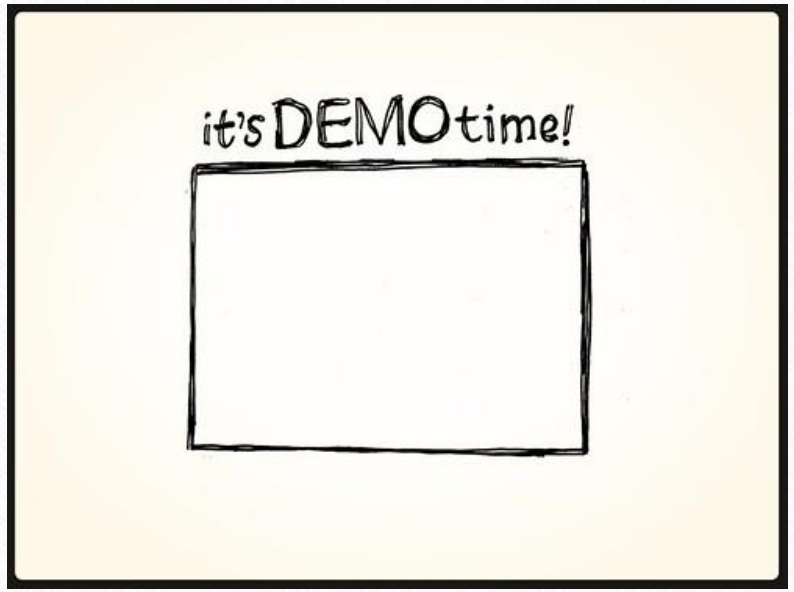
- 20 years as a DBA
- Mainly work with SQL Server
- Mainly work with OLTP but have worked with some data marts.
- NESQL Board Member
- SQL Saturday\User Group Speaker
- IDERA ACE Class of 2020
- Speaker Idol Winner 2019

Random facts:

- 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.

Agenda

- Get to know the SQL Notebook interface
- Use Cases
  - Troubleshooting Cheat Sheet
  - Development Testing Procedures
  - Interaction with SSMS
  - Using Notebooks Available to the Community



This Photo by Unknown Author is licensed under CC BY-NC-ND

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

Advantages of SQL Notebooks

- Documentation
- Collaboration
- Ability to save results with the queries
  - Multiple options for saving results
- Can use the same tool for multiple kernels
- Can be run by PowerShell and otherwise automated.

Limitations of SQL Notebooks

- 1 Kernel Per Notebook – Either SQL or PowerShell or Python, etc.
- No Showplan for the query
  - NOTE: You can do this in Azure Data Studio but not in the Notebook cell
- PowerShell can't be run as an Adminstrator
- Adjustment to a new tool

References

- https://github.com/microsoft/azuredatastudio
  - https://github.com/microsoft/azuredatastudio/tree/main/samples
- https://glennsqlperformance.com/resources/
- http://sqlvariant.com/2019/09/automate-your-sql-notebooks-with-two-new-options/
- https://github.com/sqlcollaborative/ADSNotebook
- https://github.com/microsoft/sql-server-samples/tree/master/samples/features/sql2019notebooks
- SQLCommunity Slack: #azure-data-studio
- Twitter: @AzureDataStudio

Any Other Questions?

- **Email:** dgmelkin@gmail.com
- **Twitter:** @dgmelkin
- **Blog:** DebtheDBA.wordpress.com
- **Github:**
  - **Session:** https://tinyurl.com/y58p86sw
  - **DB Scripts:** https://tinyurl.com/y63ek8k9

Thanks for Coming!!!