

What is in your DBA Toolbox

SQL Saturday Columbus

Ben Miller



DBA Duck™
CONSULTING
Ben Miller & Associates, Inc.

Microsoft®
CERTIFIED
Master

SQL Server® 2008

Agenda

- SSMS as a tool
- Azure Data Studio
- Visual Studio Code
- Sqlcmd
- PowerShell + Modules
- Glenn Berry Resources
- First Responder Kit
- Sp_humanevents et al
- Sp_WholsActive
- Sp_helpindex2
- Sp_helpindexstats
- Ola Hallengren Maintenance (<https://ola.hallengren.com>)

SQL Server Management Studio (SSMS)

- Standard Tool
- XE Profiler
- Right Click magic



Azure Data Studio (ADS)

- PowerShell Extension so it becomes an Editor and Execution environment
- Extensions for SQL Server – Query and Results for SQL
- Connect to other database like Postgresql and Azure SQL DB/MI
- SQL and PowerShell Notebooks



SQL Server Management Studio



Visual Studio Code (VSCode)

- PowerShell Extension
- Notebooks
- C# can be compiled
- Has a Run button ADS does not have

Sqlcmd

- Command line tool
- Quick execute commands
- Can use the DAC
- Use it when reconfiguring SQL in Minimal Configuration Mode

PowerShell + Modules

- Dbatools
- Dbachecks
- ImportExcel
- PendingReboot
- SqlServer



PowerShell Modules



Glenn Berry Resources

- Each version of SQL
- Azure SQL DB
- Azure SQL MI
- Each have been made into procs for you
- Will be published on github.com/dbaduck
- Broken into Server based and Database based
- [Resources - Glenn's SQL Server Performance \(glennsqlperformance.com\)](https://glennsqlperformance.com)

First Responder Kit – (sp_Blitz)

- Sp_Blitz
- Sp_BlitzIndex
- Sp_BlitzLock
- Sp_BlitzAnalysis
- Sp_BlitzBackups
- Sp_BlitzCache
- Sp_BlitzWho
- Sp_DatabaseRestore
- Sp_ineachdb
- <https://downloads.brentozar.com/FirstResponderKit.zip>
- Install-DbaFirstResponderKit –SqlInstance server –Database master

Erik Darling scripts

- Sp_HumanEvents - [sp_HumanEvents – Darling Data \(erikdarling.com\)](http://erikdarling.com/sp_HumanEvents)
- Sp_HumanEventsBlockViewer
 - [sp_HumanEventsBlockViewer – Darling Data \(erikdarling.com\)](http://erikdarling.com/sp_HumanEventsBlockViewer)
- Sp_PressureDetector - [sp_PressureDetector – Darling Data \(erikdarling.com\)](http://erikdarling.com/sp_PressureDetector)
- Sp_QuickieStore - [sp_QuickieStore – Darling Data \(erikdarling.com\)](http://erikdarling.com/sp_QuickieStore)
- Sp_HealthParser - [sp_HealthParser – Darling Data \(erikdarling.com\)](http://erikdarling.com/sp_HealthParser)
- Sp_LogHunter - [sp_LogHunter – Darling Data \(erikdarling.com\)](http://erikdarling.com/sp_LogHunter)
- Install-DbaDarlingData –Sqlinstance localhost –Database master

Sp_WholsActive

- Great replacement for sp_who2
- Lots of great parameters
- Even has a way to use it to dump the data to a table
- Install-DbaWholsActive –sqlinstance server –Database master

Sp_helpindex2

- Kimberly Tripp (retired)
- [USE THESE: Updates to SQLskills Index Procedures – Kimberly L. Tripp](#)
- Much better than sp_helpindex
- And bonus find dupes

Sp_helpindexstats

- I wrote this for exposure to the stats for the indexes
- Rewriting it to combine the sp_helpindex2 with the sp_helpindexstats

Ola Hallengren Maintenance

- <https://ola.hallengren.com>
- Database Backups
- Database Integrity Checks
- Database Optimize
- CommandLog table for all activity logging

Q&A

What is in your DBA Toolbox?

Ben Miller – ben@benmiller.net – DBADuck (www.dbaduck.com)