Let's Pretend This Never Happened: Common T-SQL Coding Mistakes and How to Fix Them

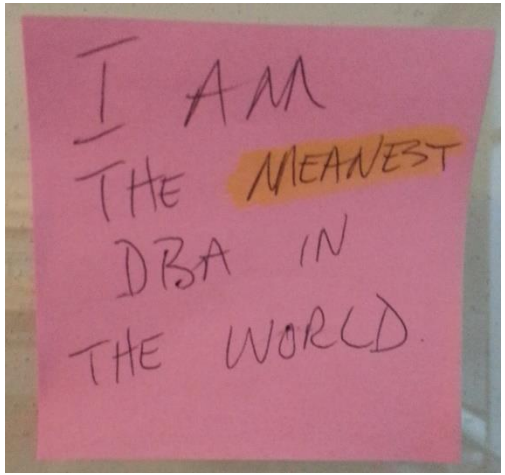
Amy Herold
Sr. Database Administrator
One Technologies

Level: Introductory to Intermediate

Who Am I?

Microsoft CERTIFIED
IT Professional
Database Administrator 2008

Microsoft CERTIFIED
IT Professional
Database Developer 2008



- Amy Herold
- Sr. Database Administrator
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ONE TECHNOLOGIES

North Texas SQL Server User Group
Director Of Programs

NORTH TEXAS SQL Server USER GROUP

LIVE! 360
TECH EVENTS WITH PERSPECTIVE

Agenda

- Common T-SQL Coding Mistakes
- Reviewing Statistics
- Evaluating Execution Plans
- Query Store and How it Can Help With Performance

Common T-SQL Coding Mistakes

“It depends”

Common T-SQL Coding Mistakes

- Cursors
- Stacked CTEs and Views
- User Defined Functions
- Subqueries
- Table Variable vs. Temp Table

Reviewing Statistics

- Statistics
  - IO, Time, Profile
- Statistics Parser – Richie Rump
  - http://statisticsparser.com/index.html
  - Use for statistics analysis; Easy way to create graphics

Reviewing Statistics

- Scan count
- Logical reads
- Physical reads
- Read-ahead reads
- LOB logical reads
- LOB physical reads
- LOB read-ahead reads
- CPU time, Elapsed time

Evaluating Execution Plans

- Execution Plans
  - Graphical
  - XML
- How's My Plan – Daniel Janik
  - http://www.howsmyplan.com/
  - Analyze XML plans quickly, identifying issues and links to more info

Reviewing Statistics and Plans

Demo

Query Store and Performance

- Query Store (SQL Server 2016+)
  - https://bit.ly/2I8UWrr

Query Store and Performance

Demo

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Questions?

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Thanks for coming!
https://github.com/amyherold/live360_2018


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