SQL Server Tutorial

Part 107 - Debugging SQL Server Stored Procedures

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1

In this session we will learn

- How to debug stored procedures in SQL Server

Link to Dot Net Basics, ASP.NET, C#, ADO.NET and SQL Server video series
http://www.youtube.com/user/kudvenkat/playlists

Suggested Videos
Part 104 - Difference between cube and rollup in SQL Server
Part 105 - Grouping function in SQL Server
Part 106 - Grouping_Id function in SQL Server

2

Debugging SQL Server stored procedures

If you are in need of the DVD with all the videos and PPT's, please visit
http://pragimtech.com/order.aspx

Setting up the Debugger in SSMS : For the debugger to work use your computer name to connect to SQL Server

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Debugging SQL Server stored procedures

Start Debugging	ALT + F5
Stepping thru the code	
Step Over	F10
Step Into	F11
Step Out	SHIFT + F11
Stop Debugging	SHIFT + F5
Show Next Statement	Shows the next statement that the debugger is about to execute
Run to Cursor	Executes all the statements in a batch up to the current cursor position
Locals Window	Displays the current values of variables and parameters
Watch Window	Watch the values of variables
Call Stack	Allows you to navigate up and down the call stack to see what values your application is storing at different levels. It's an invaluable tool for determining why your code is doing what it's doing.
Immediate Window	Very helpful during debugging to evaluate expressions, and print variable values

Debugging SQL Server stored procedures

There are 2 ways to set a breakpoint in SSMS
1. By clicking on the grey margin on the left hand side in SSMS
   (to remove click again)
2. By pressing F9 (to remove press F9 again)

From the debug menu you can enable, disable or delete all breakpoints

Conditional Breakpoint : Conditional Breakpoints are hit only when the specified condition is met. These are extremely useful when you have some kind of a loop and you want to break, only when the loop variable has a specific value (For example loop variable = 100)

Additional Resources

PRAGIM Home Page:

www.PragimTech.com

Resources:

C#, ADO.NET, ASP.NET, SQL Server & MVC youtube Playlists
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Code samples and text version of all the videos on my blog
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6