www.PragimTech.com
Pragim@PragimTech.com

SQL Server Tutorial

Part 144 - Exec vs SP_ExecuteSQL in SQL Server

Venkat
PRAGIM Technologies
kudvenkat@gmail.com
http://csharp-video-tutorials.blogspot.com

PragimTech.com | facebook.com/pragimtech | twitter.com/kudvenkat | 91 99456 99393

In this session we will learn

- Difference between exec and sp_executesql

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 141 - Prevent sql injection with dynamic sql
Part 142 - Dynamic SQL in Stored Procedure
Part 143 - SSQL Server query plan cache

Exec vs SP_ExecuteSQL in SQL Server

Two options to execute Dynamic SQL

- Exec/Execute
- sp_executesql (Discussed in Part 138 of SQL Server tutorial)

Many articles on the web says using exec over sp_executesql will have 2 problems

- It open doors for sql injection attacks (QUOTENAME function can prevent this)
- Cached query plans may not be reused and leads to poor performance (With auto-parameterisation capability this may not be an issue)

What is exec() in SQL Server

Exec() or Execute() function is used to execute dynamic sql and has only one parameter i.e the dynamic sql statement you want to execute.

Exec vs SP_ExecuteSQL in SQL Server

Summary

- If you use QUOTENAME() function, you can prevent sql injection while using Exec()
- Cached query plan reusability is also not an issue while using Exec(), as SQL server automatically parameterizes queries
- It is better to use sp_executesql over exec() as we can explicitly parameterise queries instead of relying on sql server auto-parameterisation feature or QUOTENAME() function. Use Exec() only in throw away scripts rather than in production code

Additional Resources

PRAGIM Home Page:

www.PragimTech.com

Resources:

C#, ADO.NET, ASP.NET, SQL Server & MVC youtube Playlists
http://www.youtube.com/user/kudvenkat/playlists

Code samples and text version of all the videos on my blog
http://www.csharp-video-tutorials.blogspot.com

To receive email alerts when new videos are uploaded, please subscribe to my YOUTUBE channel
www.YouTube.com/kudvenkat

https://twitter.com/kudvenkat