

SQL Server Tutorial

Part 94 - Trigger Execution Order

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

- How to set the execution order of triggers

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 91 - Cross apply and outer apply in SQL Server

Part 92 - DDL Triggers in SQL Server

Part 93 - Server-scoped DDL triggers

SQL Server Trigger Execution Order

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

Server scoped triggers **will always fire before** any of the database scoped triggers

Using the **sp_settriggerorder** stored procedure, you can set the execution order of server-scoped or database-scoped triggers

Parameter	Description
@triggername	Name of the trigger
@order	Value can be First, Last or None. When set to None, trigger is fired in random order
@stmttype	SQL statement that fires the trigger. Can be INSERT, UPDATE, DELETE or any DDL event
@namespace	Scope of the trigger. Value can be DATABASE, SERVER, or NULL

```
EXEC sp_settriggerorder
@triggername = 'tr_DatabaseScopeTrigger1',
@order = 'none',
@stmttype = 'CREATE_TABLE',
@namespace = 'DATABASE'
GO
```

SQL Server Trigger Execution Order

If you have a database-scoped and a server-scoped trigger handling the same event, and if you have set the execution order at both the levels. Here is the execution order of the triggers

1. The server-scope trigger marked First
2. Other server-scope triggers
3. The server-scope trigger marked Last
4. The database-scope trigger marked First
5. Other database-scope triggers
6. The database-scope trigger marked Last

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

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