

# SQL Server Tutorial

## Part 96 - Logon Triggers in SQL Server

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# Logon Triggers in SQL Server

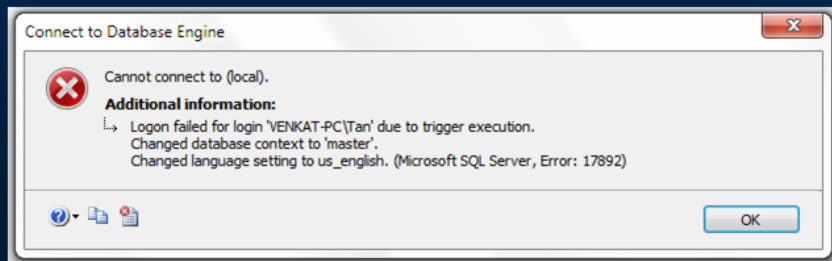
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As the name implies Logon triggers fire in response to a LOGON event. Logon triggers fire after the authentication phase of logging in finishes, but before the user session is actually established

Logon triggers can be used for

1. Tracking login activity
2. Restricting logins to SQL Server
3. Limiting the number of sessions for a specific login

Write a trigger to limit the maximum number of open connections for a user to 3



# Logon Triggers in SQL Server

```
CREATE TRIGGER tr_LogonAuditTrigger
ON ALL SERVER
FOR LOGON
AS
BEGIN
    DECLARE @LoginName NVARCHAR(100)

    Set @LoginName = ORIGINAL_LOGIN()

    IF (SELECT COUNT(*) FROM sys.dm_exec_sessions
        WHERE is_user_process = 1
        AND original_login_name = @LoginName) > 3
    BEGIN
        Print 'Fourth connection of ' + @LoginName + ' blocked'
        ROLLBACK
    END
END
```

The trigger error message will be written to the error log

Execute `sp_readerrorlog` to read the error log

LogData	ProcessInfo	Text
13/09/2015	spid54	Fourth connection of VENKAT-PC\Tan blocked
13/09/2015	spid54	Error: 3609, Severity: 16, State: 2.
13/09/2015	spid54	The transaction ended in the trigger. The batc

# Additional Resources

## PRAGIM Home Page:

[www.PragimTech.com](http://www.PragimTech.com)

## Resources:

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