

# Logging within User\_Defined Functions (UDF)

**Source:**

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Hi

I'm trying to carry out some logging each time an UDF executes. However I understand there are some limitations, i.e. you cannot INSERT data into tables directly from within a function. Ultimately you can only execute functions and extended procedures within a function.

So i've tried to use the xp\_execresultset xp to insert the appropriate logging information into a table. using this xp by itself and not in a function works fine, but as soon as I copy this bit of code to a normal function, i.e. not a table function, i still get error :

Server: Msg 557, Level 16, State 2, Procedure zzz\_Rob, Line 13

Only functions and extended stored procedures can be executed from within a function.

Why?!!!!

I know that my last resort would be to use xp\_cmdshell and run an osql statement but that would mean giving users access to xp\_cmdshell which I don't want to do

I really just need to know whether I am barking up the wrong tree here. please tell me if I simply cannot do what i want to do. Strange this is that it compiles, just won't let me execute

Many thanks in advance  
Rob

PS: here is a scaled down version of what I want to do but it gives you an idea...

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```
CREATE FUNCTION dbo.zzz_Rob (@udt nvarchar(4000))
RETURNS int
AS
BEGIN
    DECLARE @cmdstr nvarchar(500)
    DECLARE @db nvarchar(50)

    SELECT @db = convert(nvarchar(50),db_name())

    SELECT @cmdstr = 'SELECT ' + '' + 'SET NO COUNT
ON INSERT EDM..t_ADM_TickerObjectLog(UserName) VALUES('
    + '' + '' + convert(nvarchar,user_name
()) + '' + '' + ')' + ''

    EXEC master..xp_execresultset @cmdstr,@db

    RETURN 0
END
```