

## Re: Logging within User\_Defined Functions (UDF)

**Source:**

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You can't perform dynamic SQL or DML (INSERT, UPDATE, DELETE) in a function. See Books Online for some of the rules governing the use of functions and limitations on what you can do inside of them...

Why is this a function anyway? Looks like a stored procedure that you accidentally typed "CREATE FUNCTION"...

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Aaron Bertrand
SQL Server MVP
http://www.aspfaq.com/
"Rob" <anonymous@discussions.microsoft.com> wrote in message
news:103ab01c43f3e$a2fbf500$a401280a@phx.gbl...
> 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 dont 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 wont
> let me execute
>
> Many thanks in advance
```

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