

I'm so confused

Source: <http://www.derkeiler.com/Newsgroups/microsoft.public.sqlserver.security/2002-10/3154.html>

From: John Cobb (jcobb@acxiom.com)

Date: 10/24/02

From: "John Cobb" <jcobb@acxiom.com>
Date: Wed, 23 Oct 2002 22:02:37 -0500

The error occurred when I was testing the spoc both in debug mode and normally from Query Analyzer rather than calling it from any other code so I don't see how it could be wrapped in a transaction. Of course, I'm an uber newbie so my not understanding things is a normal. :-)

"BP Margolin" <bpmargo@attglobal.net> wrote in message news:Opfc4BweCHA.688@tkmsftngp11...

> John,

>

> I don't believe that the error is necessarily in your posted code. The
> system stored procedure `sp_grantdbaccess` checks that there is not an
> enclosing transaction. BTW, the actual code for the `sp_grantdbaccess`
stored

> procedure is located in the master database, and you can take a look at
the

> code yourself. If you do so, you'll see that one of the first checks is
that

> there is not an enclosing transaction.

>

> Presumably the code calling your stored procedure is wrapped in a
> transaction. That's causing `sp_grantdbaccess` to "barf". Can you remove the
> enclosing transaction? If not, you might consider ... but only after
> considerable evaluation of the risks involved ... creating a copy of the
> `sp_grantdbaccess` stored procedure under another name, removing that
> particular check from your copy, and invoking your copy rather than the
> system stored procedure. Frankly, I don't recommend this option, but
> presumably you'll be in a better position than I am to evaluate the risks.

>

> -----

> BP Margolin

> Please reply only to the newsgroups.

> When posting, inclusion of SQL (`CREATE TABLE ...`, `INSERT ...`, etc.) which
> can be cut and pasted into Query Analyzer is appreciated.

>

> "John Cobb" <jcobb@acxiom.com> wrote in message

> news:#fMuK3veCHA.688@tkmsftngp11...

```
>> Jumped the gun. Still can't get it to work. Here's my sproc and the
error
>> message it returns. Can anyone see what I'm missing?
>>
>> CREATE PROCEDURE dbo.ccm_GrantDevTeamRights
>> --input variable for user name
>> @UserName nvarchar(8)
>>
>> AS
>>
>> --if user doesn't exist as server login then raise error and get out
>> if not exists(select * from master.dbo.syslogins where loginname =
>> @username)
>> raiserror ('something',1,1) --TODO CREATE CUSTOM ERROR
>>
>> --LOCAL VARIABLES
>> declare @strSQL nvarchar(300) -- hold t-sql string
>> declare @strDbName nvarchar(50) --holds db name
>> declare @tintCurrentDB tinyint --loop controller, how
many
>> db's have we done already
>>
>> set @tintcurrentdb = 1
>>
>> WHILE @tintcurrentdb <= 1 --loop while @tintcurrentdb is <= total number
>> of
>> db's
>> begin--begin while loop
>> set @strDbName = case
>> when @tintcurrentdb = 1 then 'AcpConceptOne'
>> when @tintcurrentdb = 2 then 'AcpConceptTwo'
>> when @tintcurrentdb = 3 then 'AcpMetadata'
>> when @tintcurrentdb = 4 then 'AmConceptOne'
>> when @tintcurrentdb = 5 then 'AConceptTwo'
>> when @tintcurrentdb = 6 then 'AmMetadata'
>> end
>>
>> --see if user already has dbaccess in database @strdbname
>> select @strsql = 'use ' + @strdbname + ' select * from sysusers where
>> name
>> = '' + @UserName + ''
>> exec (@strsql)
>>
>> if @@rowcount < 1 --if exec above didn't return a row then user doesn't
>> exist so create them
>> select @strSQL = 'use ' + @strdbname + ' exec sp_grantdbaccess '' +
>> @username + ''
>> else
>> select @strsql = null
>>
>> exec (@strSQL)
```

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>> *Immediate line above is where it blows up with the following error:*
>>
>> *Server: Msg 15002, Level 16, State 1, Procedure sp_grantdbaccess, Line 33*
>> *[Microsoft][ODBC SQL Server Driver][SQL Server]The procedure 'sp_grantdbaccess' cannot be executed within a transaction.*
>> *Failed to get the call stack!*
>>
>>
>>
>> *"John Cobb" <jcobb@acxiom.com> wrote in message*
>> *news:u4R9dyueCHA.1652@tkmsftngp11...*
>>> *Got it. Sorry for the bother. In case anyone else was wondering, you*
> *can*
>>> *do it in an EXEC statement within your sproc.*
>>>
>>> *CREATE PROCEDURE dbo.ccm_GrantDevTeamRights*
>>> *@UserName nvarchar(8)*
>>> *as*
>>> *declare @strSQL nvarchar(100)*
>>> *declare @strDbName nvarchar(100)*
>>>
>>> *set @strDbName = "whatever"*
>>> *set @strSQL = 'use ' + @strdbname + 'exec sp_grantdbaccess ' +*
> *@username*
>>> *EXEC (@strsql)*
>>> *go*
>>>
>>>
>>> *"John Cobb" <jcobb@acxiom.com> wrote in message*
>>> *news:ul3w4cteCHA.3964@tkmsftngp08...*
>>>> *I have multiple databases (approx 30) that I want to grantdbaccess*
to
>> *for*
>>> *members of the development team. I was trying to do this in a*
master
>>> *sproc*
>>>> *like*
>>>>
>>>> *create procedure dbo.sp_GrantDevTeamRights*
>>>> *@UserName nvarchar(8)*
>>>> *as*
>>>> *Use DB1*
>>>> *exec sp_grantdbaccess @username*
>>>> *use DB2*
>>>> *exec sp_grantdbaccess @username*
>>>> *use DB3*
>>>> *exec sp_grantdbaccess @username*
>>>> *and so on....*
>>>>
>>>> *but the use statement isn't allowed in sprocs. I need a method to*

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```
> grant
>>>> access to all the databases from a front end app which is why I was
>> trying
>>>> to do it in a sproc. Any ideas?
>>>>
>>>>
>>>
>>>
>>
>>
>>
>
>
>
```