

Re: Execute Permission denied on object 'sp_OACreate'

Source: <http://www.derkeiler.com/Newsgroups/microsoft.public.sqlserver.security/2005-02/0062.html>

From: Dan Guzman (guzmanda_at_nospam-online.sbcglobal.net)

Date: 02/05/05

Date: Sat, 5 Feb 2005 09:38:21 -0600

> *No job is involved since the DTS package is being executed directly unless
> SQL Server is creating a job behind the scenes. Is that the case?*

You are correct – no job is involved. It's just that the proxy account for non-sysadmin users is configured in the EM GUI under the Job System tab. The specified account is used as the OS security context for non-sysadmin users regardless of whether or not jobs are involved.

> *I am using Windows Authentication only and the SA account has no
> permissions. The idea behind that was to prevent someone trying to guess
> the
> SA account password and gaining access to the database.*

The SQL authentication mode doesn't matter for ownership chaining purposes. A login can still own databases even when it can't be used to connect to SQL Server.

--

Hope this helps.

Dan Guzman

SQL Server MVP

"WhiskyRomeo" <WhiskyRomeo@discussions.microsoft.com> wrote in message news:90F41D81-9174-4AFB-8504-0464C8249AEA@microsoft.com...

> Thanks for the reply. I need to clarify . . .

>

> You wrote:

> You'll also need to specify

> the proxy account security context for non-sysadmin users from Enterprise
> Manager under SQL Server Agent --> Job System.

>

> No job is involved since the DTS package is being executed directly unless
> SQL Server is creating a job behind the scenes. Is that the case?

>

> I am using Windows Authentication only and the SA account has no

> permissions. The idea behind that was to prevent someone trying to guess

> the

> SA account password and gaining access to the database.

>

> Bill

>

microsoft.public.sqlserver.security: Re: Execute Permission denied on object 'sp_OACreate'

```
> "Dan Guzman" wrote:
>
>> > How can get a user permissions to execute these stored procedures
>> > without
>> > assigning the dbo role. Surely I do not have to assign permissions in
>> > the
>> > master database.
>>
>> SQL Server doesn't check permissions on indirectly referenced objects as
>> long as the ownership chain is unbroken. For dbo-owned objects in
>> different
>> databases, the databases involved need to be owned by the same user. If
>> you
>> are running SQL 2000 SP3+, the databases involved also need to have the
>> 'db
>> chaining' option enabled. See Cross Db Ownership Chaining
>> <adminsqli.chm:/ad_config_8d7m.htm> in the SQL Server 2000 Books Online
>> for
>> more information.
>>
>> You can prevent ad-hoc execution of powerful master database procs while
>> providing the needed functionality as follows. Your user database needs
>> to
>> be owned by 'sa' so that the ownership chain is unbroken for the
>> dbo-owned
>> sp_OA* procs in the sa-owned master database. You'll also need to
>> specify
>> the proxy account security context for non-sysadmin users from Enterprise
>> Manager under SQL Server Agent --> Job System. This account is used as
>> the
>> OS security context for processes invoked by non-sysadmin users and
>> should
>> have the minimum permissions needed by your application.
>>
>> It is important to note that you should enable 'db chaining' in an
>> sa-owned
>> database when only sysadmin role members have permissions to create
>> dbo-owned objects in that database. Also, ensure that parameters passed
>> to
>> your proc is can't be used to inject unintended commands.
>>
>>
>> --
>> Hope this helps.
>>
>> Dan Guzman
>> SQL Server MVP
>>
>> "WhiskyRomeo" <WhiskyRomeo@discussions.microsoft.com> wrote in message
>> news:0D0422D2-0350-46B7-A963-7AAE1011EEC3@microsoft.com...
>> >I have a user who has execute permissions on a store procedure in a
>> >database
>> > which in turns executes 4 stored procedures in the master database.
>> > These
>> > 4
>> > stored procedures execute a DTS package.
>> >
>> > Users, when given the dbo role, have no problem. Users who only have
>> > the
>> > Public role but execute permissions on the parent stored procedure get
>> > the
>> > following error.
```

microsoft.public.sqlserver.security: Re: Execute Permission denied on object 'sp_OACreate'

```
>> >
>> > Execute Permission denied on object 'sp_OACreate', database 'master',
>> > owner
>> > 'dbo'
>> >
>> > How can get a user permissions to execute these stored procedures
>> > without
>> > assigning the dbo role. Surely I do not have to assign permissions in
>> > the
>> > master database.
>> >
>> > Any help would be appreciated.
>> >
>> > WR
>> >
>>
>>
>>
```