

Re: Assign permissions to allow updates but deny select on table

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Source: <http://www.derkeiler.com/Newsgroups/microsoft.public.sqlserver.security/2007-07/msg00057.html>

- *From:* Tanzen <aaron.nasby@xxxxxxxx>
 - *Date:* Wed, 11 Jul 2007 15:33:01 -0700
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On Jul 11, 3:24 pm, Erland Sommarskog <esq...@xxxxxxxxxxxxxx> wrote:

Tanzen (aaron.na...@xxxxxxxx) writes:

Some of the commands you show in your example don't seem to work for me. I am running SQL 2000. Forgive my ignorance, but I'm not sure what those commands should be in SQL 2000

I hope you've now learnt that you should always say which version of SQL Server you are using. :-)

Below is the SQL 2000 version of the script that I posted. By the way, you did not include the full text of your error message.

```
sp_addlogin Julle, 'Vetebulle'  
go  
sp_adduser Julle  
go  
CREATE TABLE spezial (a int NOT NULL,  
secret varchar(23) NOT NULL)  
go  
GRANT DELETE, INSERT, UPDATE, SELECT ON spezial TO Julle  
go  
DENY SELECT ON spezial (secret) TO Julle  
go  
INSERT spezial (a, secret) VALUES (1, '(2344)')  
INSERT spezial (a, secret) VALUES (13, '25344')  
go  
SETUSER 'Julle'  
go  
DELETE spezial WHERE a = 13  
go  
SETUSER  
go  
DROP TABLE spezial  
EXEC sp_dropuser Julle  
EXEC sp_droplogin Julle
```

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Erland Sommarskog, SQL Server MVP, esq...@xxxxxxxxxxxxxx

Books Online for SQL Server 2005
at<http://www.microsoft.com/technet/prodtechnol/sql/2005/downloads/books...>
Books Online for SQL Server 2000
at<http://www.microsoft.com/sql/prodinfo/previousversions/books.mspx>

Your commands were very helpful. I was able to change the script for my existing table and confirmed the security settings are working when I use query analyzer. If I try to do a select query I am denied permission. If I run a Delete query, it succeeds.

I am using an MS Access 2003 database with an ODBC connection to the tables to perform the same delete queries, but they fail. The error when I run the delete query from MS Access 2003 is:

ODBC --call failed.

[Microsoft][ODBC SQL Server Driver][SQL Server] Select permission denied on column 'password' of object 'tblPasswordsforDirector', database 'Passwords_IT', owner 'dbo'. (#230) [Microsoft][ODBC SQL Server Driver][SQL server]SELECT permission denied on column 'UserName' of object 'tblPasswordsforDirector', database 'Passwords_IT', owner 'dbo'. (#230)

I'm assuming I need to post this to an Access forum.

So unless you have any ideas, I'll move this on to another forum.

Thank you again for your help.

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