

Re: SP Permission Inheritance and Table Creation

Source: <http://www.derkeiler.com/Newsgroups/microsoft.public.sqlserver.security/2003-07/0551.html>

From: Meir Simcha Kogan (*mkogan_at_chabadonline.com*)

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The reason we maintain a SP that deletes and creates a table is because this table serves as a 'static index' that we generate for quicker access to data. Basically it is a demoralized table that speeds up queries against our data.

Some changes that update the table require huge amounts of records to be dropped and recreated and we found that the quickest way to do this was to create another table, populate it with data, and only then drop the real table and rename the new table to the real table name.

I.e. the real table name is pub_static. The sp creates a table called pub_static2 and when done drops Pub_static and renames Pub_Static2 to Pub_Static. This minimizes downtime to the real table to a split second, whereas dropping and creating rows in the table can take up to 4 minutes.

Can you elaborate on your suggestion to use Application roles.... I have heard of them but am not sure how they can help or how to implement them in a way that limits the user from actually mimicking the application from an application he creates on his own.

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Meir Simcha Kogan
Chabad.org Development Team

"Dan Guzman" <danguzman@nospam-earthlink.net> wrote in message news:ec%23vVJFVDHA.2364@TK2MSFTNGP09.phx.gbl...

> The same CREATE statement permissions apply regardless of how the CREATE
> statement is executed. You can't restrict a statement permission so
> that is allowed only within a proc.
>

> An approach you might consider is to employ application roles. This
> allows users to connect with their normal login yet allow the
> application to enable a more powerful security context that can only be
> used within the application.
>

> Can you elaborate on why users need to execute DDL from within your app?
> This is not a best practice and perhaps someone can suggest a better
> alternative.
>

> --
> Hope this helps.
>

> Dan Guzman
> SQL Server MVP

microsoft.public.sqlserver.security: Re: SP Permission Inheritance and Table Creation

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>
> "Meir Simcha Kogan" <mkogan@chabadonline.com> wrote in message
> news:OVQK3oAVDHA.2004@TK2MSFTNGP10.phx.gbl...
>> So is there anyway way to allow a user to create tables via a SP
> without
>> jeopardizing permissions on the whole database, i.e. can I restrict
> table
>> creations outside the SP?
>>
>> Thanks
>>
>> --
>> Meir Simcha Kogan
>> Chabad.org Development Team
>> "Dan Guzman" <danguzman@nosпам-earthlink.net> wrote in message
>> news:OKrtJRxUDHA.1916@TK2MSFTNGP12.phx.gbl...
>>> Don't confuse statement permissions with object permissions.
> Statement
>>> permissions, like CREATE TABLE, give the user the right to create
>>> objects under their own userid. A user needs to be a member of a
> more
>>> powerful role (ddl_admin or db_owner) to create objects owned by
> dbo.
>>>
>>> Ownership chaining applies only to object permissions (SELECT,
> INSERT,
>>> DELETE, UPDATE, EXECUTE and REFERENCES). This is not inheritance.
> An
>>> unbroken township chain simply means that permissions on indirectly
>>> referenced objects are not checked. A user only needs permissions
> on
>>> the directly referenced objects. Cross database chaining extends
> the
>>> chaining concept to include inter-database access.
>>>
>>> --
>>> Hope this helps.
>>>
>>> Dan Guzman
>>> SQL Server MVP
>>>
>>> -----
>>> SQL FAQ links (courtesy Neil Pike):
>>>
>>> <http://www.ntfaq.com/Articles/Index.cfm?DepartmentID=800>
>>> <http://www.sqlserverfaq.com>
>>> <http://www.mssqlserver.com/faq>
>>> -----
>>>
>>>
>>> "Meir Simcha Kogan" <mkogan@chabadonline.com> wrote in message
>>> news:ulUV8jtUDHA.2204@TK2MSFTNGP12.phx.gbl...
>>>> Hi,
>>>>
>>>> We have an application that connects to our sql server with a
> limited
>>> access
>>>> account - we control permissions via stored procedures. That is
> the
>>> only
>>>> thing this user has access to and permissions are controlled from

