

Re: Limiting a user to only executing a stored only that access an

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Source: <http://www.derkeiler.com/Newsgroups/microsoft.public.sqlserver.security/2006-07/msg00098.html>

- *From:* Sue Hoegemeier <Sue_H@xxxxxxxxxxxxxx>
 - *Date:* Mon, 17 Jul 2006 12:08:12 -0600
-

Yup...I follow you.

The "fix" would be an upgrade to 2005 but that's likely not an option for you at this time.

Another option if it's primarily the SQL for stored procedures you are worried about it to create them with encryption. It's not too difficult to hack stored procedures created with encryption though. I've worked at places where the vendors always had to sign legal agreements to access data, code, etc. If you really need to protect things, legal agreements are often the best course anyway.

-Sue

On Sun, 16 Jul 2006 17:30:01 -0700, Michael @ SGMS <MichaelSGMS@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote:

My apologies, I understand what your referring to now.

Here is what I am trying to accomplish:

I would like to find a way to allow users to only view (that it exists, not the underlying source code) and execute a stored procedure.

I do not want the user to see schema information -- the tables in the db, views, stored procs, ect. The third party vendors we work with have the same tools as we do (Enterprise Manager).

It is amazing how much information you can see with limited rights, with the right tools. In one test, I simply gave the user login to the database and the ability to execute a stored procedure and they could still view all the schema type information.

My guess is there isn't a fix for this? Does this clarify my objective?

"Sue Hoegemeier" wrote:

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Yes...it looks like what you described is just what I described and that can be impacted by ownership chains. But you said it's not the case at all.

But with no errors or information on what's not working, I'm still trying to guess here. Going back to your first post, "What I would like is to create another database, that has only stored procedures in it that access data in other dbs. Can this be done? "

And grant the users access to the other database only? It won't work if that's what you are trying to do. You would get the error:YourUser is not a valid user in database 'YourDatabaseWithData' if that user does not have access to the database with the data.

Or you have to enable guest which isn't a good idea.

-Sue

On Fri, 14 Jul 2006 09:47:01 -0700, Michael @ SGMS
<MichaelSGMS@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote:

This is not the case at all.

I have a stored procedure on my test database that executes a statement to retrieve data from Northwind. I am trying to limit my users ability to see any database internals related to Northwing and only let him see the data. (No object definition items)

So I create an empty database. Give the user a login and access to that database. Then I create a proc that says Select * from Northwind..Customers.

It this the ownership issue your referring too.

Man this should not be so painful.

"Sue Hoegemeier" wrote:

I'm not following your example – it sounds like you may have a stored procedure in NorthwindTest that executes some SQL statement that references objects in another database named Northwind using three part name qualifier. If that's the

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case and you are on SP 3 or higher for SQL Server 2000, you may be hitting issues on how you have cross database ownership configured. Check books online and the topics for Cross-Database Ownership Chaining The topic: Using Ownership Chains explains things pretty well.

-Sue

On Fri, 14 Jul 2006 09:11:01 -0700,
Michael @ SGMS
<MichaelSGMS@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>
wrote:

Thank you for your response. Your correct I am using SQL Server 2000.

My approach fails however. I cannot find a way to give the user in db1 access to the data in db2 without giving him/her a login to that database. Once they have a login, they can see all sorts of objects I would rather that they don't.

Am I missing something simple here.

Take the Northwind database. I created a NorthwindTest database. I took a stored proc from northwind, modified it appropriately so that its fully qualified (Northwind..blah). I cannot get the proc in NorthwindTest to execute properly without the user (who I only want to have a login to NorthwindTest) login to Northwind.

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"Arnie Rowland" wrote:

I assume
that you are
using SQL
2000.

Your
suggestion
of creating a
db that only
contains
procs (no
data) and
accesses a
second db
could serve
your
purpose. Be
sure that the
'general
login' does
not exist in
the db
containing
data. Any
activity that
requires
admin
privileges,
such as
using
xp_cmdshell
won't work
unless the
'general
login' has
admin
privileges in
the data db
—therefore
defeating
your
'scheme'.

They will
be able to
access the
proc

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definitions
so this will
not allow
you
to obfuscate
object
names –if
that is of
any
importance.
Encryption
would
help with
that.

It sounds
like you are
providing
them access
through
your
firewall.
Have you
taken
precautions
such as a
firewall rule
that restricts
access to
the IP
ranges from
the vendor?
(If not, the
world will
be testing
their
cracking
tools on
your
server.)

--
Arnie
Rowland*
"To be
successful,
your heart
must
accompany
your
knowledge."

Re: Limiting a user to only executing a stored only that access an

"Michael @
SGMS"

<MichaelSGMS@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

wrote in
message

news:560B14F2-3874-441C-AAC9-F30A35EC23B4@xxxxxxxxxx

We
deal
with
third
party
vendors
that
we
are
required
to
grant
access
to
data
in
our
database.
They
have
Enterprise
Manager,
so
when
a
general
login
in
is
created
they
can
see
iyr
views
tables,
stored
procs,
and
any
other

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object.
(
I
know
about
encryption,
but
I
want
to
go
further
than
that
)

What
I
would
like
is
to
create
another
database,
that
has
only
stored
procedures
in
it
that
access
data
in
other
dbs.
Can
this
be
done?
Is
there
an
easier
way
to
meet
my
objective?

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I
don't
want
third
parties
looking
at
anything
regardless
of
the
tool
they
are
using.

In
the
near
future
we
will
make
our
data
that
is
public
available
through
a
Web
service,
but
in
the
meantime
is
there
an
answer?

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