

Re: public role question

Source: <http://www.derkeiler.com/Newsgroups/microsoft.public.sqlserver.security/2006-04/msg00171.html>

- *From:* Dan D. <DanD@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Wed, 26 Apr 2006 09:50:02 -0700
-

Dan, I'm sorry but after I responded to Kalen's email I deleted the test database. Somehow the user 'dantest' was the owner of the database so I guess that is how I was able to create the procedure. I'm not sure how dantest became the database owner because it didn't have any permissions other than public but I'm not concerned about that now.

I did create a second user with only the public role for permissions and was not able to create a stored procedure.

Thanks for you help,

--

Dan D.

"Dan Guzman" wrote:

Who is the owner of the procedure when user 'dantest' runs the following script? Perhaps that will provide a clue.

```
CREATE PROC TestProc
AS SET
GO
```

I can't think of another way your 'dantest' user can have CREATE PROCEDURE permissions. Try the following controlled test to see if a newly created login/user can create procedures:

```
EXEC sp_addlogin 'dantest2', 'somepassword', 'MyDatabase'
GO
USE MyDatabase
GO
EXEC sp_adduser 'dantest2'
GO
SETUSER 'dantest2'
GO
CREATE PROC TestProc
AS SET
GO
```

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SETUSER
GO

--

Hope this helps.

Dan Guzman
SQL Server MVP

"Dan D." <DanD@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message
news:473B95DA-2BFB-4832-B2E1-21333A73F74A@xxxxxxxxxxxxxxxxxxxx

I logged on to the database through QA as dantest. I ran sp_helprolemember 'db_owner' and one row was returned with 'db_owner' in the dbrole column. I ran sp_helprolemember 'db_ddladmin' and no rows were returned. I ran sp_helpprotect 'CREATE PROCEDURE' and "There are no matching rows on which to report." was returned.

--

Dan D.

"Dan Guzman" wrote:

Sorry I didn't make my instructions clearer. A common cause of elevated permissions is that users are members of the 'BUILTIN\Administrators' Windows group and thereby get sysadmin permissions. User 'dbo' would be returned in that case.

Since 'SELECT USER' returns 'dantest' instead of 'dbo', we know 'dantest' is not a sysadmin role member and is not the database owner. That means one of the following must be true for the user to create procs:

1) The user is a member of the db_owner role. You can check this with sp_helprolemember 'db_owner'

2) The user is a member of the db_ddladmin role. You can check this with sp_helprolemember 'db_ddladmin'

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3) The user (or a role the member belongs to) was granted
CREATE
PROCEDURE
permissions. You can check this with sp_helprotect
'CREATE PROCEDURE'

--
Hope this helps.

Dan Guzman
SQL Server MVP

"Dan D." <DanD@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in
message
news:583E27E1-1C79-40D8-A9D2-A22B348D2154@xxxxxxxxxxxxxxxxxxxxx

I'm sorry. I didn't understand what Dan was
asking me to do. If I log
in
through QA using the new user and run
"select user" I get "dantest"
which
is
the new user. Then I am able to create a
stored procedure. If I run
'EXEC
sp_helprotect NULL, 'dantest', I get "There
are no matching rows on
which
to
report.". If I run EXEC sp_helprotect NULL,
'public', I get a list of
18
system tables with select permissions.

--
Dan D.

"Kalen Delaney" wrote:

If 'select user' is returning
DBO, it means you are
connecting AS DBO,
and
not as your new user.

You ARE the special DBO
user, and not the new user,
which is why you

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have
all these permissions. You
are not connecting as your
new user and not
testing the permissions the
new user has.

So again, please tell us
exactly HOW you are trying
to connect as the
new
user. If you are connecting
through QA, please tell us
what you are
putting
in every box in the
connection dialog.

(Telling you that dbo 'owns'
the database would be
meaningless. DBO is
a
user name. It is the name
always given to whatever
login is the owner
of
the
database, when that login
connects to the database.
Please read about
logins
and user names in the Books
Online.)

--

HTH
Kalen Delaney, SQL Server
MVP
www.solidqualitylearning.com

"Dan D."

<DanD@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

wrote in message

news:A193F3D7-B34C-49A8-AA8E-2CA851011AFD@xxxxxxxxxxxxxxxxxxxx

The new
user that I
created in
the new
database I

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connected
to
through
QA
and
was able to
create a
stored
procedure.
If I run
EXEC
sp_helpprotect
NULL,
'public', the
only
permissions
that public
has is for
"select" to
18
system
tables. If I
run "select
user" (and
what does
this tell me
– who
owns
the
database?),
I get 'dbo'.
So I'm
wondering
how I'm
able to
create a
stored
procedure if
public
doesn't have
permissions
and the new
user is
only
in
the
public role
with no
other
permissions?

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Are you
saying that
the
permissions
to create the
stored
procedure
are
coming
from dbo so
I need to
revoke them
from 'dbo'?

The
ultimate
objective is
to be able to
create a
login/user
that a
web
app
will use and
the user
should only
have
permissions
for "select"
to
the
views
and
"execute"
on the
stored
procedures
with no
permissions
on the
underlying
tables.
Would I
need to
revoke
insert,
update, and
delete
permissions
from
public in

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this case?

Thanks for
you help,

--

Dan D.

"Kalen
Delaney"
wrote:

Hi
Dan

The
user
dbo
is
a
privileged
user
and
can
create
tables
and
procs,
execute
procs,
and
access
data
in
all
the
tables.
You
should
try
to
revoke
permissions
from
the
user
dbo.

You
have

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said
you
created
a
new
user.
How
are
you
trying
to
connect
as
that
new
user?

--
HTH
Kalen
Delaney,
SQL
Server
MVP
www.solidqualitylearning.com

"Dan
D."
<DanD@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>
wrote
in
message
news:FB897411-12FA-47C0-BDD8-5855475E1A2C@xxx

It
returns
'dbo'.
--
Dan
D.

"Dan
Guzman"
wrote:

What
does
the

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query
'SELECT
USER'
return?

--
Hope
this
helps.

Dan
Guzman
SQL
Server
MVP

"Dan
D."
<DanD@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
wrote
in
message
news:2E69E961-1C77-4B9D-9962-F4C11

In
the
new
database
that
I
created,
I
was
able
to
create
a
stored
procedure.
I
ran
EXEC
sp_helprotect
NULL,
'public'
but
I
don't
see
the
"create

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procedure"
permission
listed
under
the
action
column.
How
am
I
able
to
create
a
stored
procedure
with
a
user
that
is
only
a
member
of
public
and
has
no
other
permissions?

--
Dan
D.

"Dan
D."
wrote:

Using
SS2000
SP4.
I'm
trying
to
lock
down
the
database

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as
much
as
possible.
I
created
a
new
sql
server
login
and
gave
the
user
no
permissions
other
than
public
role.

Why
am
I
able
to
create
a
stored
procedure
with
the
new
user.
I
thought
Public
had
select,
insert,
update,
delete
permissions.
Does
that
allow
a
user
to
create

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a
stored
procedure?

Thanks,

--

Dan

D.