

Re: Change UDF Owner

Source: <http://www.derkeiler.com/Newsgroups/microsoft.public.sqlserver.security/2006-08/msg00040.html>

- *From:* "A McGuire" <allen.mcguire@xxxxxxxxxxxxxxxxxxxx>
 - *Date:* Wed, 19 Jul 2006 09:19:50 -0500
-

I'll pass that along to the auditors when they come visit. Since it shows up as a finding, it's my mission to eliminate those findings. In this case, it seems that they should ignore these and leave them alone.

I appreciate your feedback!

"Arnie Rowland" <arnie@xxxxxxxx> wrote in message
news:OoNL00zqGHA.3248@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

Thanks for the additional information.

Yes, that list contains system functions. They are best left alone. The ownership is appropriate.

The INFORMATION_SCHEMA views are virtual tables (VIEWS) of system information. The objects starting with 'fn_Repl' are used in Replication, 'fn_trace' used in profiling, etc.

You may wish to alter your 'search' script to ignore objects owned by system_function_schema –especially in the master database.

And yes, things are constantly changing so there is always something new for us to learn and master.

--

Arnie Rowland
Most good judgment comes from experience.
Most experience comes from bad judgment.
– Anonymous

"A McGuire" <allen.mcguire@xxxxxxxxxxxxxxxxxxxx> wrote in message
news:eczZHTzqGHA.4960@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

PS. Thank you for your patience and explanation. It's amazing after nearly eight years of administering and programming in SQL Server that there are still things to learn. These in particular are things you just don't do every day.

Re: Change UDF Owner

"Arnie Rowland" <arnie@xxxxxxx> wrote in message
news:OIz0WNrQGHA.2464@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

It appears that you are trying rename this function in the master database. Does it exist in the master database?

If not, try connecting to the database where the function exists, and rename from there.

dbo is like a 'system' account, somewhat similar to 'sa' –except that dbo is in the context of a database, and can be the schema owner for the database. Users can be put in the dbo role, but dbo will still own objects assigned to it. The generally accepted way to have consistency of ownership, and thus avoid the 'dreaded ownership chain' problems, is to have dbo own all objects in a database. In most situations, 'sa', should own the database, and 'dbo', in most situations should own the objects in the database.

Think of dbo in terms of not a surrogate 'person', but instead a 'contract'. The objects are under contract, users can be given permission to interact with the objects belonging to a contract. In SQL 2005, the concept of 'schema' as 'owner' rather than just schema as DDL is exploited extensively. It becomes easier to keep users from seeing anything (including definitions) about objects that belong to schemas (contracts) that the users have no permissions to use.

--
Arnie Rowland
Most good judgment comes from experience.
Most experience comes from bad judgment.
– Anonymous

"A McGuire" <allen.mcguire@xxxxxxxxxxxxxxxxxxxx> wrote in message

Re: Change UDF Owner

news:OxBO07qqGHA.2232@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

dbo could be mapped to another Login Name, however. I don't want the creator of the database to be the owner, but rather sa for consistency across all databases and servers. The reason I don't want the creator, thus dbo, to be the owner is that I've been trying to remove individual logins and create Local/Domain Windows groups and grant them permissions to the appropriate Fixed Server Roles or whatever is applicable.

Anyway, that is more subjective. Executing the following:
EXECUTE sp_changeobjectowner
'system_function_schema.fn_replgetagentcommandlinefromjobid',
'dbo'

still results in:
"Object
'master.system_function_schema.fn_replgetagentcommandlinefromjobid'
does not exist or is not a valid object for this
operation."

Quite possibly I can't change the owner – no idea. That is the million dollar question of mine ;–)

"Arnie Rowland" <arnie@xxxxxxx> wrote
in message
news:OsCK%23sqgGHA.4632@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

I would prefer to have dbo be the owner. It's easier to manage security if all objects are owned by the same owner.

I think that you need to include the object owner as part of the object name, e.g.,

EXECUTE
sp_changeobjectowner
'system_function_schema.fn_replgetagentcommandlinefromjobid',

Re: Change UDF Owner

'dbo'

--

Arnie Rowland
Most good judgment comes
from experience.
Most experience comes
from bad judgment.
– Anonymous

"A McGuire"

<allen.mcguire@xxxxxxxxxxxxxxxxxxxx>

wrote in message

news:eQvy%23XqqGHA.2304@xxxxxxxxxxxxxxxxxxxxxxxx

But for
changing
the database
owner, the
following
works:
EXEC
sp_changedbowner
'sa'

and this
doesn't:
EXEC
sp_changedbowner
'dbo'

I suppose
changing
ownership
of databases
and objects
is different.
I have never
had to do
this, but the
UDFs are
owned by
'system_function_schema'
currently.
Does it
make sense
to change
the
ownership
to dbo? I'm

Re: Change UDF Owner

trying to get
all database
objects
owned by
dbo (which
is the same
as the 'sa'
Login
Name).

I still don't
have the
correct
syntax –
using what
you
suggested
returns:
"Object
<object_name>
does not
exist or is
not a valid
object for
this
operation."

I wonder if
it has
something
to do with
the fact that
it is a UDF?

"Arnie
Rowland"
<arnie@xxxxxxx>
wrote in
message
news:eWTKcPqqGHA.4760@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx

It's
because
sa
doesn't
own
the
database
objects,
but

Re: Change UDF Owner

dbo
can.

```
EXECUTE  
sp_changeobjectowner  
'fn_replgetagentcommandlinefromjobid',  
'dbo'
```

should
work
for
you.

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

"A
McGuire"
<allen.mcguire@xxxxxxxxxxxxxxxxxxxx>
wrote
in
message
news:Ok8BDKqqGHA.4932@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

Can
I
change
the
owner
of
a
UDF?

Example:

```
USE  
master  
GO  
EXEC
```

Re: Change UDF Owner

```
sp_changeobjectowner  
'fn_replgetagentcommandlinefromjobid',  
'sa'
```

...
isn't
working.

I
want
dbo
to
own
all
the
objects
in
my
database

–
just
a
security
best
practice
sort
of
thing.

I
can't
seem
to
find
my
answer
searching
the
web.

Re: Change UDF Owner