

## Re: Change UDF Owner

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*Source:* <http://www.derkeiler.com/Newsgroups/microsoft.public.sqlserver.security/2006-08/msg00038.html>

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- *From:* "A McGuire" <[allen.mcguire@xxxxxxxxxxxxxxxxxxxx](mailto:allen.mcguire@xxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Wed, 19 Jul 2006 08:14:24 -0500
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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.

"Arnie Rowland" <[arnie@xxxxxxx](mailto:arnie@xxxxxxx)> wrote in message  
[news:OIz0WNrQGHA.2464@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto: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 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.

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Arnie Rowland

Most good judgment comes from experience.

Most experience comes from bad judgment.

– Anonymous

Re: Change UDF Owner

"A McGuire" <allen.mcguire@xxxxxxxxxxxxxxxxxxxx> wrote in message  
[news:OxBO07qqGHA.2232@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto: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%23sqqGHA.4632@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:OsCK%23sqqGHA.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',  
'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@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:eQvy%23XqqGHA.2304@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

Re: Change UDF Owner

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 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](mailto:news:eWTKcPqqGHA.4760@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

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

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

should work for you.

--

Arnie Rowland

"To be successful, your heart must accompany your knowledge."

Re: Change UDF Owner

"A McGuire"

<allen.mcguire@xxxxxxxxxxxxxxxxxxxx>

wrote in message

[news:Ok8BDKqqGHA.4932@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:Ok8BDKqqGHA.4932@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

Can I  
change the  
owner of a  
UDF?

Example:

```
USE master
GO
EXEC
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