

Re: db_owner role in SQL 2k

Source:

<http://www.tech-archive.net/Archive/SQL-Server/microsoft.public.sqlserver.programming/2004-08/0878.html>

From: Thomas Scheiderich (*tfs_at_deltanet.com*)

Date: 08/05/04

Date: Wed, 4 Aug 2004 22:00:04 -0700

"Kalen Delaney" <replies@public_newsgroups.com> wrote in message
news:e2Z2MJqeEHA.1656@TK2MSFTNGP09.phx.gbl...

> *Hi Thomas*

>

> *You need to make sure you understand the difference between logins, users
> and groups. Please read the articles with these titles in Books Online
> (Logins, Users, Groups)*

OK, I'll do that.

>

> *The owner of a database is a login, which is listed in the sysdatabases
> table in the master database as the owner of the database.*

>

> > *The DBO is the Database owner – correct?*

>

> *I try not to think of DBO as the Database Owner, but just as special,
> powerful user in a database.*

>

> *For anyone to use any database, their login name must have been given
access*

> *to that database and been given a USER NAME in that database. Sometimes
the*

> *user name and the login name are the same name, but they don't have to be.*

> *For example, a login joe could have a user name joe in a particular
> database.*

>

> *To see your login name, run: SELECT suser_sname()*

> *To see your user name in a database, run: USE <the database> SELECT
> user_name()*

>

> *The login who is the owner of a database automatically has access to that
> database, and their user name will ALWAYS be DBO. Any login in the server
> sysadmin role, including 'sa', will also have the user name DBO in all
> databases.*

This is what is confusing.

I do the select suse_sname() and get tfs

I do the select user_name() and get dbo

But in Enterprise Manager – when I go to VDW and then users, it has sa as the dbo.

>

> *The DBO user has special powers, including access to all objects in that*

> *database, and the ability to grant permissions to others to access the db*

> *or*

> *to create objects.*

>

>

>> *So each database could have a different DBO?*

>

> *Each user database could have a different login listed in the sysdatabases*

> *table, so a different user would use the user name DBO in the database, in*

> *addition to all sysadmins having the name DBO.*

>

>> *If I am logged on as TTI, and I create a new database called*

travelData –

> *am*

>> *I automatically the DBO?*

>

> *If you create a database, you are listed in sysdatabases as the owner, so*

> *when you use that database, your user name will be DBO.*

>

>> *Now if joe1 creates a table pax in travelData – He has access to it and*

I

>> *have access to it (since I am the DBO) – Correct?*

>

> *First, joe1 has to have been given access to the travelData database, and*

he

> *has to have been given permission to create a table there. Since the DBO*

> *user gave him permission, the DBO user can access the table.*

>

>> *greg2 does not have access to pax, unless he is specifically given*

>> *permission – correct?*

>

> *greg2 does not have access to the database either until it is given. Once*

> *given, he still might not have access to the table.*

>

>> *Or I could give greg2 db_owner permission on travelData, which gives him*

>> *access to all the tables in this database – Correct?*

>

> *After you have given greg2 access to the database, and given him a user*

> *name, you could add him to the db_owner role, which would give him access*

to

> *all tables in the database.*

>

>> *How does Public fit into all this?*

>
> *Public is a ROLE, like db_owner, not a user. However, unlike the db_owner*
> *role, members of the public role have no special permissions at all,*
except
> *what is explicitly granted. Also, unlike db_owner, all users are*
> *automatically members of the public role. So if you do grant any*
permissions
> *to the public role, they apply to everyone.*
>
> *There are more details and subtleties, but hopefully this information*
> *answered your questions.*

It did. And I need to study this and play with it more, I am planning to concentrate on this for the next couple of days to get it down.

Thanks,

Tom.

>
> --
> *HTH*
> -----
> *Kalen Delaney*
> *SQL Server MVP*
> *www.SolidQualityLearning.com*
>
>
> *"Thomas Scheiderich" <tfs@deltanet.com> wrote in message*
> *news:10h33jmon8dn87c@corp.supernews.com...*
>> *I have always been confused on the dbo issue.*
>>
>> *The DBO is the Database owner – correct?*
>>
>> *So each database could have a different DBO?*
>>
>> *If I am logged on as TT1, and I create a new database called*
travelData –
> *am*
>> *I automatically the DBO?*
>>
>> *Now if joe1 creates a table pax in travelData – He has access to it and*
I
>> *have access to it (since I am the DBO) – Correct?*
>>
>> *greg2 does not have access to pax, unless he is specifically given*
>> *permission – correct?*
>>
>> *Or I could give greg2 db_owner permission on travelData, which gives him*
>> *access to all the tables in this database – Correct?*
>>

> > *How does Public fit into all this?*
> >
> > *I am just trying to get a better handle on this.*
> >
> > *Thanks,*
> >
> > *Tom*
> > *"John" <anonymous@discussions.microsoft.com> wrote in message*
> > *news:0f5d01c46ec6\$890a7380\$a601280a@phx.gbl...*
> > > *Thanks for your help.*
> > > *I will make sure that the owner name is included at the*
> > > *time of object creation.*
> > >
> > > *Thanks a lot.*
> > >
> > > *-JC*
> > >
> > > -----Original Message-----
> > > *Hi John*
> > > >
> > > > *Role membership doesn't affect the owner of an object.*
> > > > *The default owner of*
> > > > *an object is the user who created it. Someone in the*
> > > > *db_owner role still has*
> > > > *their own user name. However, a user in the db_owner*
> > > > *role does have the*
> > > > *power to create objects owned by other users, including*
> > > > *owned by dbo. But*
> > > > *the user has to explicitly list the owner name when*
> > > > *creating the object:*
> > > >
> > > > *CREATE TABLE dbo.NEW_TABLE*
> > > > *(.....)*
> > > >
> > > > *--*
> > > > *HTH*
> > > > -----
> > > > *Kalen Delaney*
> > > > *SQL Server MVP*
> > > > *www.SolidQualityLearning.com*
> > > >
> > > >
> > > > *"John" <anonymous@discussions.microsoft.com> wrote in*
> > > > *message*
> > > > *news:0b7901c46e83\$9424b020\$a601280a@phx.gbl...*
> > > > > *I have added a new user in the db_owner role in SQL 2k.*
> > > > > *When this user creates a table or any other DB object,*
> > > > > *it*
> > > > > *is owned by the user and not by dbo even though the ID*
> > > > > *is*
> > > > > *a part of DBO. Is this a default behavior in SQL 2k or*

> > > *do*
> > > > *I need to do something different in order for the*
> > > *object*
> > > > *to be owned by DBO.*
> > > >
> > > > *Thanks.*
> > > >
> > > > *John*
> > > >
> > > >
> > > >.
> > > >
> >
> >
>
>