

# Re: Granting EXEC to all my user sprocs in one hit

*Source:* <http://www.derkeiler.com/Newsgroups/microsoft.public.sqlserver.security/2004-04/0415.html>

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**From:** Jasper Smith (*jasper\_smith9\_at\_hotmail.com*)

**Date:** 04/27/04

Date: Tue, 27 Apr 2004 13:12:19 +0100

You got it :-)

xp\_execresultset runs the dynamic sql to generate the commands and then executes them

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HTH

Jasper Smith (SQL Server MVP)

I support PASS - the definitive, global community for SQL Server professionals -

<http://www.sqlpass.org>

"Alec MacLean" <alec.maclean@copeoehs.com.NO\_SPAM> wrote in message news:OXgFCuELEHA.1348@TK2MSFTNGP12.phx.gbl...

> Thanks Jasper - looks like exactly what I was looking for.

>

> If I am interpreting correctly, this assigns the passed user id exec permission on any sproc that didn't ship with the SQL Server install, within

> the context of the database (pubs in your example) it is called from?

>

> Regards

>

> --

> Alec MacLean

>

>

> "Jasper Smith" <jasper\_smith9@hotmail.com> wrote in message

> news:eBlqVA9KEHA.2556@TK2MSFTNGP11.phx.gbl...

> > You can run the procedure below (after you have created it in master) in the

> > context of a user database e.g.

> >

> > use pubs

> > go

> > exec sp\_grantexec 'foo',1

> >

> > -- create the procedure in master

> >

> > use master

> > go

> > create procedure sp\_grantexec(@user sysname,@debug int = 0)

> > as

> > set nocount on

> > declare @ret int

> > declare @sql nvarchar(4000)

> > declare @db sysname ; set @db = DB\_NAME()

> > declare @u sysname ; set @u = QUOTENAME(@user)

microsoft.public.sqlserver.security: Re: Granting EXEC to all my user sprocs in one hit

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> >
> > set @sql = 'select ''grant exec on '' + QUOTENAME(ROUTINE_SCHEMA) + ''.' +
+
> > QUOTENAME(ROUTINE_NAME) + '' TO ' + @u + '' FROM
> > INFORMATION_SCHEMA.ROUTINES ' +
> > 'WHERE OBJECTPROPERTY(OBJECT_ID(ROUTINE_NAME), 'IsMSShipped')
=
> > 0'
> >
> > if @debug = 1 print @sql
> >
> > exec @ret = master.dbo.xp_execresultset @sql,@db
> >
> > If @ret <> 0
> > begin
> > raiserror('Error executing command %s',16,1,@sql)
> > return -1
> > end
> >
> > --
> > HTH
> >
> > Jasper Smith (SQL Server MVP)
> >
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> > community for SQL Server professionals -
> > http://www.sqlpass.org
> >
> >
> > "Alec MacLean" <alec.maclea@copeo@hs.com.NO_SPAM> wrote in message
> > news:OuU1Sj7KEHA.3332@TK2MSFTNGP10.phx.gbl...
> > > Hi,
> > > (I'm a web-programmer, having to double as a DBA, so please forgive me
> > if
> > > this is a stupid question!)
> > >
> > > I've been trying to determine if it is possible to:
> > >
> > > 1. Retrieve all my user-created sprocs for a specified dbo (to a temp
> > > table), then
> > > 2. Grant the EXEC privilege to these user-sprocs only (excluding the
> > > system
> > > sprocs).
> > >
> > > OR:
> > > 3. Grant the EXEC permission using SEMgr across all my user-sprocs at
> > > one
> > > go
> > > instead of bashing the daylight out of my spacebar.
> > >
> > > I'm trying to achieve this because I have two dbo's: one production
and
> > > one
> > > dev.
> > > I'm detaching the live copy and copying the files across to dev
machine,
> > > then re-attaching them in their respective places, in order to get a
> > > snapshot of the data in the production version across to my dev copy
> > > (for
> > > testing report queries and saving me creating a LOAD of fake data).
> > >
> > > # because of the relationships and number of tables, exporting data
```

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from
> > > master to dev is a PITA, as I'd have to purge all the dev tables and
set
> > > identity insert on the export transformation - I suppose I ought to
> build
> > an
> > > admin-only procedure to do all this...:( #
> > >
> > > Once I've re-attached the dev copy, I've found I have to remove the
> > assigned
> > > built-in account from the dbo's user list and re-add the user. This
> then
> > > means I've got to add the exec permissions as well, which while not a
> > > difficult task in SEMgr, it is a pain to do this way as I currently
have
> > > over 200 sprocs.
> > >
> > > I see that the GRANT syntax allows me to set the permission, but only
> for
> > > one sproc at a time. If I can retrieve a list of the "usp_" prefixed
> > sprocs
> > > for my specific dbo, I could put these in a temp table, then loop this
> and
> > > set the permissions.
> > >
> > > Surely this type of info is available in one of the system tables, as
> this
> > > must be how the SEMgr permissions dialog is populated?
> > >
> > > TIA for any help.
> > >
> > > --
> > > Alec MacLean
> > >
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>
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