

Re: xp_cmdShell

Source:

<http://www.tech-archive.net/Archive/SQL-Server/microsoft.public.sqlserver.programming/2004-05/3188.html>

From: Dan Guzman (*danguzman_at_nospam-earthlink.net*)

Date: 05/14/04

Date: Fri, 14 May 2004 08:28:01 -0500

xp_cmdshell runs under the security context of the SQL Agent Proxy account when executed by non-sysadmin users. This requires that you allow non-sysadmin users to execute xp_cmdshell (uncheck the 'Only users with sysadmin privileges...' checkbox under SQL Server Agent properties --> Job System) and specify a Windows account for the SQL Agent proxy with the permissions needed to run you application).

Furthermore, the SQL Server service account needs special permissions in order to switch security context to the proxy account. These permissions are assigned automatically when the service account is configured during installation or changed with Enterprise Manager but not when the service account is changed by other means. See Service Accounts in the SQL 2000 Books Online <instsql.chm::/in_overview_6k1f.htm> for details of the needed permissions.

> *I don't want that my read user has execute permission on xp_cmdShell.*
> *I thought if he has execute permission for my sp, which owner is DBO, that inside SP I can do anything.*

Direct xp_cmdshell execute permissions are not needed as long as the ownership chain is unbroken. This requires that your user database be owned by 'sa' and you turn on the cross-database chaining option in your user database. Note that you should allow cross-database chaining in an sa-owned database only if sysadmin role members are the only users with permissions to create dbo-owned objects in that database.

> *Is there any other way?*

I suggest you don't create the text file in a trigger. Consider performing the task asynchronously. One method to accomplish this is to insert the data into a staging table and schedule a separate task to create files.

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Hope this helps.

Dan Guzman

SQL Server MVP

"simon" <simon.zupan@stud-moderna.si> wrote in message
news:OVQljIbOEHA.624@TK2MSFTNGP11.phx.gbl...

If I set the execute permission for 'xp_cmdshell' to my read user I get the

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following error:

A severe error occurred on the current command. The results, if any, should be discarded. xpsql.cpp: Error 1813 from GetProxyAccount on line 472

Any suggestion?

Thank you,

Simon

"simon" <simon.zupan@stud-moderna.si> wrote in message
news:uGrouFbOEHA.2164@TK2MSFTNGP12.phx.gbl...

I have user with read permissions on my tables and execute permission on my SP.

In SP(owner is DBO) I update table(owner is DBO), and on update the trigger is fired witch write some data into the text file in my disk.

I get an error message:

EXECUTE permission denied on object 'xp_cmdshell', database 'master',
owner 'dbo'

Why?

I don't want that my read user has execute permission on xp_cmdShell.

I thought if he has execute permission for my sp, which owner is DBO, that inside SP I can do anything.

Is there any other way?

thank you,

Simon