

## Re: One Web Service updates SQL, another can't?

*Source:* <http://www.derkeiler.com/Newsgroups/microsoft.public.sqlserver.security/2004-10/0225.html>

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*From:* Tom Moreau ([tom\\_at\\_dont.spam.me.cips.ca](mailto:tom_at_dont.spam.me.cips.ca))

*Date:* 10/26/04

Date: Tue, 26 Oct 2004 14:23:05 -0400

In the profiler, in the Events tab, click on Security Audit. In that tree, you'll see Audit Login, Audit Login Failed, Audit Logout, Audit Object Permission Event. See what that gives you in the trace.

The connect string looks innocent enough.

Since you're using Interop, I'm wondering if there is something there. Since this is a web service, why aren't you using ADO.NET? Also, is this a shared connection across all instances?

--

Tom

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"Steve Ricketts" <[steve@velocedge.com](mailto:steve@velocedge.com)> wrote in message

news:%23X%231Ee4uEHA.3624@TK2MSFTNGP09.phx.gbl...

I'm not sure how to trap the login and out events... is that "Connect" and "Disconnect" in the trace window? I couldn't find them in the Events section of the Trace Properties dialog. The connection string is:

```
strCnxn = "Provider=SQLOLEDB; Network Library=DBMSSOCN; Data Source=xxx.xxx.xxx.xxx; Initial Catalog=CADE_LMW; User ID=sa; Password=password"
```

I've tried it with and without the "Network Library" parameter and obviously there is a real IP address in the Data Source. Watching both the debugger and the trace, all goes well until the update statement I mentioned earlier. There is basically nothing in the code from the last "select" call to this "update". It just sets up the SQL string. When I let the `cnxn.execute(sql)` statement run with the "update", I trapped the error and `err.description` says:

```
"an exception of type: (System.Runtime.InteropServices.COMException) occurred"
```

And then I start getting the database closed errors on subsequent calls. I open the database again after the error and all is fine until the next "update" statement.

sr

"Tom Moreau" <[tom@dont.spam.me.cips.ca](mailto:tom@dont.spam.me.cips.ca)> wrote in message

news:Os1YpR4uEHA.1984@TK2MSFTNGP14.phx.gbl...

> The error suggests that somehow the connection to SQL Server is being  
> closed. Audit the Login and Logout events with the profiler and see if  
> that's the case. I'm wondering also if there is a connection pooling  
issue

microsoft.public.sqlserver.security: Re: One Web Service updates SQL, another can't?

```
> here. Could we have a look at your connection string?
>
> --
> Tom
>
> -----
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>
>
> "Steve Ricketts" <steve@velocedge.com> wrote in message
> news:uKcyPM4uEHA.1860@TK2MSFTNGP15.phx.gbl...
> I set the trace for the problem database and am receiving exactly what I
> sent. (I'm using sa just to eliminate as much of the permissions problems
> as possible). I'm stepping through the Visual Studio .Net debugger and
it's
> showing me the returned data record when its a "select" but as soon as an
> "update" is issued, I get "Operation is not allowed when the object is
> closed". The SQL Trace shows:
>
> update cmi set revised = '10/26/2004 12:32:30 PM' where person_int = 23720
> and course_int = 645 and lesson_int = 2
>
> Which is what I sent from the web service... and why would this work if
it's
> the first Web Service started and the other Service fails. It doesn't
seem
> to matter which database I use, the one I start first works and the second
> one doesn't.
>
> Steve
>
> "Tom Moreau" <tom@dont.spam.me.cips.ca> wrote in message
> news:eMxsH%233uEHA.1260@TK2MSFTNGP12.phx.gbl...
> > If it's connecting as sa - which, BTW, is a bad thing - then the
security
> is
> > essentially bypassed. The next thing I'd do is run a profiler trace and
> try
> > and see what's coming at your server. Hopefully, you can run the web
> > service in debug mode to step through it.
>
> > --
> > Tom
> >
> > -----
> > Thomas A. Moreau, BSc, PhD, MCSE, MCDBA
> > SQL Server MVP
> > Columnist, SQL Server Professional
> > Toronto, ON Canada
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> >
> >
> > "Steve Ricketts" <steve@velocedge.com> wrote in message
> > news:uw%23Fp63uEHA.2172@TK2MSFTNGP14.phx.gbl...
> > I'm sending raw SQL and should have told you that I was opening the
> > database
> > as "sa". db_denydatawriter for sa is not checked. Does that help?
> >
```

microsoft.public.sqlserver.security: Re: One Web Service updates SQL, another can't?

```
> > sr
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> >
> >
> > "Tom Moreau" <tom@dont.spam.me.cips.ca> wrote in message
> > news:uichWz3uEHA.2520@TK2MSFTNGP15.phx.gbl...
> > > Assuming that you're using raw T-SQL - not stored procs - I'd look at
> > who
> > is
> > > a member of the db_denydatawriter role in the problem database.
Another
> > > thing to look at is the permissions for that user in EM. That may
tell
> > you
> > > if there are any explicit DENY's.
> > >
> > > --
> > > Tom
> > >
> > > -----
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> > > Columnist, SQL Server Professional
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> > >
> > >
> > > "Steve Ricketts" <steve@velocedge.com> wrote in message
> > > news:eZ5PcW3uEHA.3828@TK2MSFTNGP12.phx.gbl...
> > > I have a production and development system both running on one PC
under
> > > W2K
> > > with SQL7sp4. One Web Service can access and update the SQL Server 7
> > > database fine. Another instance of the same Web Service code,
accessing
> > > a
> > > different, but identical database, can read but not update records.
It
> > > seems like whichever Web Service I start first is allowed to read and
> > > write,
> > > but the other has only read permissions.
> > >
> > > Is there a exclusive, read-only, permissions setting that I've missed
> > > somewhere? The problem is simply the second Web Service can't write
to
> > > SQL,
> > > but why is the big question. Any help would be greatly appreciated,
> > > I'm
> > > into days on this one!
> > >
> > > Thanks,
> > >
> > > Steve Ricketts
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> > >
> > >
```