

## Re: General Network Error – MS Stumped

**Source:**

<http://www.tech-archive.net/Archive/SQL-Server/microsoft.public.sqlserver.connect/2004-02/0112.html>

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**From:** Kevin Spencer (*kevin\_at\_takempis.com*)

**Date:** 02/26/04

Date: Thu, 26 Feb 2004 13:52:14 -0500

Have you eliminated hardware or installed software issues by trying to run this on a different pair of machines?

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HTH,

Kevin Spencer  
.Net Developer  
Microsoft MVP

Big things are made up  
of lots of little things.

"Joe Ross" <joeross252@hotmail.com> wrote in message  
news:u55gTVJ\$DHA.1796@TK2MSFTNGP12.phx.gbl...

> I've been working with Microsoft support for over 3 weeks now on an  
> intermittent General Network Error we're seeing in our production  
> environment between our ASP.NET application and SQL Server 2000. They are  
> continuing to work on the issue, but it seems as if our progress is  
grinding

> to a halt. I asked this question on the newsgroups before going to MS but  
> figured I'd give it another shot now that I have more information.

>

> The problem occurs intermittently (maybe 10 to 15 times per day). It  
seems

> to be related to queries that return "large" amounts of data from SQL.  
The

> problem started after we made an equipment change. We went from a single  
> server hosting both our ASP.NET application and SQL Server 2000, to one  
> server hosting IIS and another machine running SQL. An example of the  
> exception thrown appears at the bottom of this post.

>

> MS had us perform 3 data captures initially: MPSRPT\_MDAC on the IIS  
machine,

> MPSRPT\_MDAC on the SQL machine, and SQLDIAG on the database server. The  
MS

> rep found nothing too out of the ordinary with our configuration, so he  
> asked me to do a network capture on both machines while the error  
occurred.

>

> I was able to get a good capture in a small window and sent it off to MS.

> The verdict is that IIS is basically halting the request. It is resetting  
> the database connection partway through retrieving the results of the  
stored

> proc. IIS attempts to close the connection for some reason, SQL ignores  
and

> keeps pumping back data, then IIS raises a reset. MS confirmed that there  
> is no packet loss. MS has not determined why this is happening and has

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not
> advised me to capture any additional data.
>
> If someone has any ideas, I am willing to provide as much detail as
> possible. I wanted to keep this initial post as concise as possible.
>
> Thanks for any assistance you can provide,
> -joe
>
> EXCEPTION:
> System.Data.SqlClient.SqlException: General network error. Check your
> network documentation.
>   at System.Data.SqlClient.SqlConnection.OnError(SqlException exception,
> TdsParserState state)
>   at System.Data.SqlClient.SqlInternalConnection.OnError(SqlException
> exception, TdsParserState state)
>   at System.Data.SqlClient.TdsParser.ThrowExceptionAndWarning()
>   at System.Data.SqlClient.TdsParser.ReadNetlib(Int32 bytesExpected)
>   at System.Data.SqlClient.TdsParser.ReadBuffer()
>   at System.Data.SqlClient.TdsParser.ReadByteArray(Byte[] buff, Int32
> offset, Int32 len)
>   at System.Data.SqlClient.TdsParser.ReadEncodingChar(Int32 length,
> Encoding encoding)
>   at System.Data.SqlClient.TdsParser.ReadSqlValue(_SqlMetaData md, Int32
> length)
>   at System.Data.SqlClient.TdsParser.ProcessRow(_SqlMetaData[] columns,
> Object[] buffer, Int32[] map, Boolean useSQLTypes)
>   at System.Data.SqlClient.SqlDataReader.PrepareSQLRecord(Int32 i)
>   at System.Data.SqlClient.SqlDataReader.GetSqlString(Int32 i)
>   at System.Data.SqlClient.SqlDataReader.GetString(Int32 i)
>
>
```