

Re: curious problem in production

Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.aspnet.webservices/2005-02/0364.htm>

From: IPGrunt (*me_at_privacy.net*)

Date: 02/21/05

Date: 21 Feb 2005 20:22:20 GMT

On 21 Feb 2005, "Ollie Riches" <ollie.riches@phoneanalyser.net> postulated in news:#8ifu\$EGFHA.2572@tk2msftngp13.phx.gbl:

> *see inline....*

>

> *"IPGrunt" <me@privacy.net> wrote in message*

> *news:Xns960482D36A6EDswiss127army001wrenc@130.133.1.4...*

>> *On 21 Feb 2005, "Ollie Riches" <ollie.riches@phoneanalyser.net>*

>> *postulated in news:e1SjhdDGFHA.1260@TK2MSFTNGP12.phx.gbl:*

>>

>>> *I am having a problem call a sql server stored procedure in a*

>>> *test\production environment. I am getting an exception from sql*

>> *server being*

>>> *propagated back to the web service. The exception is a violation of*

>> *primary*

>>> *key constraint. The exception message is:*

>>>

>>> *'Violation of UNIQUE KEY constraint 'cce_uk1'. Cannot insert*

>> *duplicate key*

>>> *in object 'candidateComponentEntries'*

>>>

>>> *When I run the same code on the my development machine into the*

>> *SAME*

>>> *database it works perfectly fine. Yes the two different*

>> *environments are*

>>> *trying to insert into the same sql server database. It is being*

via

>> *ADO.Net*

>>> *in an asp.net web service.*

>>>

>>> *Background:*

>>> *A BizTalk process is calling a web service to insert\process some*

>> *data into*

>>> *a sql server database and we have set it up to call my*

development

>> *machine*

microsoft.public.dotnet.framework.aspnet.webservices: Re: curious problem in production

```
>>> if it fails in calling the production environment. Then we used
the
>> sql
>>> profiler to check the calls to the database and they produced the
>> following:
>>>
>>> Audit Login -- network protocol: TCP/IP
>>> set quoted_identifier on
>>> set implicit_transactions off
>>> set cursor_close_on_commit off
>>> set ansi_warnings on
>>> set ansi_padding on
>>> set ansi_nulls on
>>> set concat_null_yields_null on
>>> set language us_english
>>> set dateformat mdy
>>> set datefirst 7
>>> .Net SqlClient Data Provider sa 0 53 2005-02-21
16:23:44.863
>>>
>>> RPC:Completed exec sp_reset_connection .Net SqlClient Data
Provider
>> sa 0 0
>>> 0 0 0 53 2005-02-21 16:23:44.873
>>>
>>> SQL:BatchCompleted SET TRANSACTION ISOLATION LEVEL READ
>> COMMITTED;BEGIN
>>> TRANSACTION .Net SqlClient Data Provider sa 0 0 0 0 53 2005-
02-
>> 21
>>> 16:23:44.873
>>> RPC:Completed declare @P1 bigint
>>> set @P1=858
>>> declare @P2 bigint
>>> set @P2=776
>>> declare @P3 varchar(1)
>>> set @P3='Y'
>>> exec InsertCandidateOpEntry @candidateComponentEntries_id = @P1
>> output,
>>> @candidateOpMarkSets_id = @P2 output, @MarksAlreadyExists = @P3
>> output,
>>> @eps_session_sid = 2.0850000000000000e+003, @session_month_code =
>> N'3',
>>> @session_year = 2005, @candidate_no = 1.2500000000000000e+002,
>> @centre_no =
>>> N'57133', @business_stream_id = N'01', @assessment_code =
N'2332',
>> @assessme
>>> nt_ver_no = 1.0000000000000000e+000, @component_id = N'01',
>> @component_ver_no
>>> = 0.0000000000000000e+000, @candidate_uci = N'571330030125F',
```

Re: curious problem in production

```
>>> @candidate_uci_type = N'UCI', @candidate_gender = N'M',
>> @candidate_dob =
>>> 'May 30 1989 12:00AM', @qp_id = 1.0000000000000000e+000,
>> @production_datetime
>>> = 'Feb 21 2005 4:21PM'
>>> select @P1, @P2, @P3 .Net SqlClient Data Provider sa 0 31 0 0 0
53
>>> 2005-02-21 16:23:44.883
>>>
>>> Audit Login -- network protocol: TCP/IP
>>> set quoted_identifier on
>>> set implicit_transactions off
>>> set cursor_close_on_commit off
>>> set ansi_warnings on
>>> set ansi_padding on
>>> set ansi_nulls on
>>> set concat_null_yields_null on
>>> set language us_english
>>> set dateformat mdy
>>> set datefirst 7
>>> .Net SqlClient Data Provider sa 0 60 2005-02-21
16:23:44.893
>>>
>>> SQL:BatchCompleted IF @@TRANCOUNT > 0 ROLLBACK TRANSACTION .Net
>> SqlClient
>>> Data Provider sa 0 2 0 0 0 53 2005-02-21 16:23:44.893
>>>
>>> RPC:Completed exec sp_reset_connection .Net SqlClient Data
Provider
>> sa 0 0
>>> 0 0 0 59 2005-02-21 16:23:45.657
>>>
>>> SQL:BatchCompleted SET TRANSACTION ISOLATION LEVEL READ
>> COMMITTED;BEGIN
>>> TRANSACTION .Net SqlClient Data Provider sa 0 0 0 0 0 59 2005-
02-
>> 21
>>> 16:23:45.657
>>> RPC:Completed declare @P1 bigint
>>> set @P1=858
>>> declare @P2 bigint
>>> set @P2=776
>>> declare @P3 varchar(1)
>>> set @P3='Y'
>>> exec InsertCandidateQpEntry @candidateComponentEntries_id = @P1
>> output,
>>> @candidateQpMarkSets_id = @P2 output, @MarksAlreadyExists = @P3
>> output,
>>> @eps_session_sid = 2.0850000000000000e+003, @session_month_code =
>> N'3',
>>> @session_year = 2005, @candidate_no = 1.2500000000000000e+002,
```

microsoft.public.dotnet.framework.aspnet.webservices: Re: curious problem in production

```
>> @centre_no =
>>> N'57133', @business_stream_id = N'01', @assessment_code =
N'2332',
>>> @assessment_ver_no = 1.0000000000000000e+000, @component_id =
N'01',
>>> @component_ver_no = 0.0000000000000000e+000, @candidate_uci =
>>> N'571330030125F', @candidate_uci_type = N'UCI', @candidate_gender
=
>> N'M',
>>> @candidate_dob = 'May 30 1989 12:00AM', @qp_id =
>> 1.0000000000000000e+000,
>>> @production_datetime = 'Feb 21 2005 4:21PM'
>>> select @P1, @P2, @P3 .Net SqlClient Data Provider sa 0 30 0 0 0
59
>>> 2005-02-21 16:23:45.657
>>>
>>> SQL:BatchCompleted COMMIT TRANSACTION .Net SqlClient Data
Provider
>> sa 0 0 0
>>> 0 0 59 2005-02-21 16:23:45.657
>>>
>>>
>>> The first call to the stored procedure 'InsertCandidateQpEntry'
and
>> this
>>> made from the production environment and the second call to this
>> stored
>>> procedure is made from my development machine and this succeeds.
It
>> appears
>>> that the problem is not a code (my code) problem but maybe a
>> problem with
>>> the framework.
>>>
>>> Production environment:
>>> Windows 2003 Standard Edition
>>> .Net Framework 1.1
>>>
>>> Development environemnt:
>>> XP Pro (2002) SP 1
>>> .Net Framework 1.1
>>>
>>> I even tried copying the development binaries to the production
>> server and
>>> it still fails.....
>>>
>>> Any Ideas anyone?
>>>
>>>
>>> Cheers in advance
>>>
```

Re: curious problem in production

>>> *Ollie Riches*
>>> <http://www.phoneanalyser.net>
>>>
>>> *Disclaimer: Opinions expressed in this forum are my own, and not*
>>> *representative of my employer.*
>>> *I do not answer questions on behalf of my employer. I'm just a*
>> *programmer*
>>> *helping programmers.*
>>>
>>>
>>>
>>
>> *Ollie,*
>>
>> *If I offered suggestions, I'd be shooting in the dark, of course.*
>> *Just some ideas to think about.*
>>
>> *Are you using SQL or Windows authentication in the SQL server?*
Could
>> *be an identity issue. What's the AD environment--domain based or*
>> *standalone?*
>
> *sql authentication*

OK, so the connection strings are identical?

You're not using DPAPI to encrypt passwords, are you? This gives machine specific results, I believe.

>
>>
>> *I read your comment about it being a framework bug....how many*
times
>> *have I thought that myself, only to find something dumb (in my own*
>> *stuff), later. Probably 99% certain it is NOT a framework bug.*
>
> *I know, just thought I would grab at that straw as well :)*

OK, you've been there, done that.

>>
>> *BTW, what is the index: cce_uk1 ? Is it an autoincrement PK in*
>> *candidateComponentEntries, or is it some kind of FK relation to*
>> *another table? Is there some insert/update outside of a*
transaction
>> *causing a race condition (possible if the server is on the same*
>> *physical processor as IIS/.NET.)?*
>
> *the point is I don't care about the keys, indexes or triggers it*
works when
> *calling from one environment why not from the other environment*

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when it is

> *the SAME database.*

Can you really afford to exclude that half of the system so soon?
You've heard of thinking outside the box? The trick usually involves
finding a bigger box.

>

>>

>> *Any triggers involved? (which can bite you from behind!)*

>

> *Don't think so – it is not responsibility (they don't like
developers*

> *looking at their databases :))*

Territorial infighting never helped any large project. It's one of
the reasons that I enjoy consulting.

>>

>> *I don't want answers...just hoping to jar something loose in your
>> brain.*

>

> *nothing came loose.....*

Keep shaking!

>

>>

>> *Good luck.*

ditto

>>

>> *-- ipgrunt*

>>

-- ipgrunt