

Sporadic Connection Timeout

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anonymous_at_discussions.microsoft.com

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The problem is solved.

I noticed that I could not access the shares on the SQL Server machine (although from some clients I could). Logon server could not be located.

This sent me back to the newly-demoted PDC (now BDC). It was confused as to whether it was a BDC or PDC (demotion had not been entirely clean). So, I had a situation where I had 2 PDCs on the network. Once I successfully demoted it, connection could be made via ODBC using any network library available.

--john

>-----Original Message-----

>The network consists of 3 servers: a BDC, a PDC
>and a stand-alone server. There are about 30 client
>workstations (some Win98, some WinXP Pro).

>

>SQL Server 7.0 is running on the stand-alone, which is
>running Win2k.

>

>The stand-alone server was brought up and SQL Server 7.0
>installed approx. 6 months ago. Previously, SQL Server was
>running on the BDC for 4 years. The BDC and PDC are both
>WinNT SP6, but the current PDC is to be retired and
>the BDC to be upgraded to Win2K Active Directory.

>

>The systems have been operating well for 6 months.

>

>Promoted the BDC to PDC. Did this yesterday. No changes to
>the stand-alone (SQL Server) machine.

>

>Network logins are fine; can browse network resources
fine.

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>As of today, intermittently, some machines connecting to
>SQL Server via ODBC system DSN receive connection time-out.
>SQL Server set to "unlimited". (Connection is via
>SQL Server login, not Windows authentication.)
>
>Network libraries loaded on SQL Server include TCP/IP,
>Named Pipes and Multiprotocol.
>
>When ODBC connection times out, attempting again, it
>sometimes then works fine. Other times, you need to
>change the client connection method to TCP/IP, and
>ensuring port is set to 1433, it then works fine, but
>login to database is slow (indicates a potential
>name resolution problem, which I will be looking at as
>well).
>
>This all was working, and the ODBC connections have
>been unmodified for a minimum of 6 months.
>
>Because the servers all can ping each other, browse
>each other, etc., it does not seem to be a security
>issue.
>
>I will be running the MDAC checker, but there have been
>no MDAC changes since the stand-alone server was
>brought up.
>
>Any thoughts??
>
>Thanks
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>--john
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