

Re: Cluster will not fail over.

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Source:

<http://www.tech-archive.net/Archive/SQL-Server/microsoft.public.sqlserver.clustering/2005-12/msg00125.html>

- *From:* "Anthony Thomas" <ALThomas@xxxxxxxxxx>
 - *Date:* Sat, 24 Dec 2005 09:25:35 -0600
-

Yeah, that's where I was going, you can't even detach "accidentally," or otherwise, the model database unless you are in single user mode or you've started the instance with the 3608 trace flag (by the way, just for grins, there is also 3607 and 3609, which behave the same way, but recover more or fewer databases).

As far as the TCP/IP issue goes, you had to rebuild the cluster and were not able to restore the master database. That tells me that you are NOT at the same service pack level as the master backup you were trying to use.

Since you went ahead without the master database restored, go ahead and try to reapply the SP3a service pack, or, better yet, apply SP4. If you are using AWE, you will need to apply the post-SP4, 2040 AWE hotfix as well. Also, SP4 breaks the SQLDiag (and it sounds like you will need this); so, you'll want to contact Microsoft Customer Support Services (yes, they've changed their name from MS PSS to MS CSS) to get the private 2148 SQLDiag hotfix.

Since you are technically on a brand new cluster (with a lot of old cluster settings laying around), I'd approach this as a fresh build and go through the entire installation configuration just as if nothing was running on it.

Geoff mentioned a few things, like comclust for MSDTC and validating the shared clustered disk configuration, but there are several other items after a cluster installation you'll have to revisit. The new installation means that all of the registry settings have reverted back to a fresh installation. The fact you are on a new master database means a lot of the sp_configure settings have reverted back to a fresh installation.

You need to check two things, the version of the engine (sqlservr.exe) and the version of the master, model, and msdb databases. You can execute SELECT @@VERSION to get the prior and sp_helpdb master to get the later.

Good luck. Keep us up to date with your progress.

Sincerely,

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Anthony Thomas

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"john clarke" <jclarke@xxxxxxxxxx> wrote in message
news:u0PmezkgBGA.344@xxxxxxxxxxxxxxxxxxxxxxxxxxxx
> ouch...
>
> this situation happened a while ago for us. one of our techs dettached
both
> the model AND msdb database (whilst in single user mode) and then sql
server
> was shut down. Well it would not start up.
>
> I managed to execute the following command on the server itself:
>
> sqlservr -c -f -s <instancename> /T3608
>
> This worked bringing up the sql server in minimal mode. Thereupon i used
> query analyser to connect and reattached both the msdb and model
databases.
>
> All was back to normal
>
> Best of luck!
>
> john
>
> "Admiral" <admiral@xxxxxxxxxxxxxxxxxxxx> wrote in message
> news:uXPvMDkBGHA.628@xxxxxxxxxxxxxxxxxxxxxxxxxxxx
>> Geoff,
>>
>> I truly appreciate your response. I actually did try to reattach the
>> model using this method, unfortunately everytime I would attemp to
attach
>> the model db, SQL Server would immediately turn off. At the time I was
>> really pressed for time, which led to the decision for a re-install. I
do
>> believe there is more to the story that was not told to me.
>>
>> Also, I do apologize if I led you to believe that the cluster is on a
>> Windows 2003 platform. It actually resides on a Windows 2000 Advanced
>> Server. The link you provided me, should still work for W2k? Like I
>> mentioned when it rains it pours and I've been putting out too many
fires
>> for a Christmas week. I can't thank you enough for the response.
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>> "Geoff N. Hiten" <SQLCraftsman@xxxxxxxxxx> wrote in message
>> news:OFkKlhbBGHA.1088@xxxxxxxxxxxxxxxxxxxxxxxxxxxx
>> First, what you should have done with a blown model DB:
>>
>> Start SQL Server in single user mode with trace flag -T3608. This stops
>> SQL from recovering anything except the master database. Reattach
Model.
>> If necessary, use files copied from another installation at the exact
same
>> SP and Hotfix level. Stop SQL Server and restart normally. Sorry, but
it
>> really is that simple. Oh, and lock whoever detached "model" out of the
>> system. HE is too dangerous to allow near your system.
>>
>> You didn't mention whether you blew the cluster away or not or just
>> rebuilt SQL. If you blew the cluster away, make sure that each disk
>> resource has the same drive letter on all nodes and the disk resources
>> fail over correctly from node to node. Stop the resource group, move
it,
>> and start each disk resource independently to test.
>>
>> The Named Pipes only issue sounds like an incomplete SP3a install.
>> Windows 2003 will prevent TCP/IP access if it detects a pre-SP3a SQL
>> installation. Follow this article and re-apply SP3a.
>>
>> <http://support.microsoft.com/default.aspx?scid=kb:en-us:815431>
>>
>>
>> --
>> Geoff N. Hiten
>> Senior Database Administrator
>> Microsoft SQL Server MVP
>>
>>
>>
>>
>> "Admiral" <admiral@xxxxxxxxxxxxxxxxxxxx> wrote in message
>> news:uoXFWWbBGHA.216@xxxxxxxxxxxxxxxxxxxxxxxxxxxx
>> We had an error over the weekend of mass porportions(Sunday 3pm PST).
>> Long story short; the model database was detached and the SQL Server was
>> stopped, with it still detached. This happened to happen on our primary
>> Production Database Clustered Server which is the bread-n-butter of the
>> compay. (OUCH!)
>>
>> It was time for some fast actions. We started the re-install SQL
Server.
>> In order to do so, the previous install had to be uninstalled. This
>> seemed to go smoothly enough, but when re-applying the SP3a, we
>> encountered an error. After researching the error, apparently in a
>> clustered environment this will occur since the SP3a files still reside
on

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>> the node(s). Microsoft states that if within a particular log file it
>> results with an 'Installation was Successful', to disregard the error.

I

>> double checked the log file and sure enough the error was disregarded.
>>

>> We moved along with the installation. We were able to restore all the
>> user databases and all system databases with the exception of the master
>> database. Unfortunately, even with starting SQL Server in single-user
>> mode, the restore of the master database would not take. So it was not
>> restored, but all other databases were. Fortunately, I ran a quick
script

>> to recover all the user logins previous to the disaster, which I
reapplied

>> to the new installation of SQL Server. Everything came back up and the
QA

>> Team successfully tested the production Application (Monday 4am PST).
>> (Fhweeh)

>>

>> After the succesful testing of the production environment, we tested
the

>> fail-over which resulted in SQL Server not starting on the secondary
node.

>> All the resources came right up on it, but not SQL Server. The only
error

>> that was that it was not able to locate the file on
'O:\logs\mastlog.ldf'.

>> This error did not make sense since SQL Server uses the same file for
the

>> primary node. We were pressed for time since it was closing to start of
>> business East Coast time, so we left the server as is.

>>

>> Throughout the day there were other issues that arose, one in
particular

>> was certain systems were not able to connect to the server via TCP/IP.

In

>> order to have them connect they needed to create an alias of the server
>> and use Name Pipes. This seems to be a rising concern because there are
>> users who need to connect via ODBC to a widely used particular Access
>> Application, which seems to only like the TCP/IP route. I am somewhat
>> sure this is related to the cluster failure.

>>

>> Anyway, this is the first time I've had to take a breathe to revisit
the

>> problem at hand. We have been dealing with another server that crashed
on

>> the same day, resulting in a brand new build of a SQL Server Cluster
>> environment (completely non related to the issue at hand).

>>

>> I'm sorry for the long winded story. Would you have any idea as to why
>> the cluster would fail on failover along with the TCP/IP issue?

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>> Thanks in Advanced..

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• *Follow-Ups:*

◆ *Re: Cluster will not fail over.*

◇ *From:* Admiral

• *References:*

◆ *Cluster will not fail over.*

◇ *From:* Admiral

◆ *Re: Cluster will not fail over.*

◇ *From:* Geoff N. Hiten

◆ *Re: Cluster will not fail over.*

◇ *From:* Admiral

◆ *Re: Cluster will not fail over.*

◇ *From:* john clarke

- Prev by Date: *Re: sql service password in cluster changed by wrong method*
- Next by Date: *Re: msdtc is causing my cluster to be unavailiable via it's virtua*
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