

Re: SBS2003 Prem and branch office W2003 server: replication errors

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.sbs/2006-01/msg00061.html>

- *From:* "NetTransplant" <flbritton@xxxxxxx>
 - *Date:* Mon, 02 Jan 2006 04:09:39 GMT
-

Many thanks. I had already confirmed DNS registration for the Internal NIC as I have been caught on this before. Problem still the same.

I suspect DNS. I can from the branch ping successfully the SB2003 server by name and fqdn. I cannot ping branch from SBS2003.

question: Should I have only the internal address of each server in DNS?
I do have references to the VPN Site to site link IP addresses.

"Karl Middleton" <nospam@xxxxxxxxxxx> wrote in message
[news:ON\\$5xIyDGHA.740@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:ON$5xIyDGHA.740@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

> The usual reason for replication errors in the scenario you detailed is
> DNS problems. And these are usually caused by having ALL NICS (internal,
> external, and VPN) registering themselves with DNS. The first time you
> DCPromo does a replication but doesn't depend on DNS hence why your users
> etc transferred over OK. The subsequent replications are failing (take a
> look under Directory Service and File Replication Service in the event log
> and you will find the errors there).

>

> Only ONE interface (the internal network) on the SBS box and the branch
> office box should have the "register in DNS" box checked under network
> properties. All others (external NICS, VPN NICS) should not. If you leave
> them all ticked, you will find that your DNS server will have 3 IP
> addresses registered for your Windows servers. AD does not like multihomed
> systems.

>

> I find that once the system is messed up from a DNS point of view you
> often have to dcpromo demote the branch office server and start again.

>

> Traps and tips for young players:

> – over a VPN makes using the head office DNS server for both sites
> unreliable. Load DNS and DHCP on the branch office server as well as the
> head office server. Set the branch office scope to point at the branch
> office server for DNS resolution.

> – DCPromo will default the branch office server to be in the same AD site
> as the head office server. Unless you have beaucoup bandwidth on your
> internet connection, create a second AD site and put your branch office

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> into it. Makes managing login scripts, GPO, etc much easier and limits the
> replication to once every 3 hours instead of every 15 minutes. If your
> internet link is flaky, consider using an SMTP transport instead of IP.
> – Once you have your AD replication working and the branch office reliably
> online, consider using DFS. It is great for ensuring that stuff like
> ClientApps is the same at both sites. I also use it to sync User Shared
> Folders so that travelling folk can log on at the alternative site and
> access a local copy of their files instead of dragging them across the
> VPN. Set the replication time at less than the time it takes for the plane
> ride home to ensure their files will be waiting for them on arrival back
> home.
> – Companyweb and cached Exchange come into their own on a branch office
> via VPN scenario. I set up my customers with the branch office getting a
> lot of corporate stuff off the Companyweb and their email uses the cache
> to cope with the low bandwidth.
>
> Good luck
> Karl from Oz
>
>
>
> "NetTransplant" <flbritton@xxxxxxx> wrote in message
> <[news:aGWtf.30\\$t1.11@xxxxxxxxxxx](mailto:news:aGWtf.30$t1.11@xxxxxxxxxxx)>
>> So I have a new w2003 server at the branch office. Connection between the
>> two points are stable and seem perfect.
>>
>> I promoted w2003 to domain controller and integrated dns with active
>> directory over a vpn site to site link. All seemed well and I did have
>> all my users etc on the branch machine.
>>
>> Replication seems to have stopped working. I added a new computer using
>> active directory users and computers on branch server and it will not
>> appear on the sbs2003.
>>
>> both commands below done on sbs2003 server:
>>
>> repadmin /showrepl branch.my.local shows replications successful to first
>> site.
>>
>> repadmin /showrepl sbs.my.local shows failed with rpc unavailable error
>> 1722. (0x6ba)
>>
>> What should I next be looking for?
>>
>> The branch server is installed in the lab across the internet from the
>> sbs2003 and is over the internet. It moves Weds to remote site.
>>
>>
>>
>
>

- **References:**

- ◆ **SBS2003 Prem and branch office W2003 server: replication errors**

- ◇ From: NetTransplant

- ◆ **Re: SBS2003 Prem and branch office W2003 server: replication errors**

- ◇ From: Karl Middleton

- Prev by Date: **Re: Business Contact Manager**

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