

# Re: Active directory replication problems

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*Source:*

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.sbs/2006-08/msg04590.html>

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- *From:* "J" <jk\_50@xxxxxxxxxxxx>
  - *Date:* Wed, 23 Aug 2006 12:06:48 -0600
- 

I've had replication succeed in the past. Do you think I could do a dcpromo /forceremoval on the SBS box and reinstall into the same domain where user accounts are already configured?

J

"kj" <kj@xxxxxxxxxxxx> wrote in message  
<news:uwNzP5txGHA.3440@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

Server2

Error1

The DNS server has encountered a critical error from the Active Directory. Check that the Active Directory is functioning properly. The extended error debug information (which may be empty) is "". The event data contains the error

Yikes. Since Server2 is the SBS2003 server and FSMO role holder, you've got an "involved" situation on your hands. If the rest of AD is intact, it can be resolved but requires more "hands on" than you could probably ask a newgroup to provide. If a complete replication of all AD partitions has not previously completed you could ruin any chance of recovery (save for backups, you have those right?) by continuing.

Is this a production SBS environment with active users and email? If so, a MS Support call would be my recommendation.

--

/kj

"J" <jk\_50@xxxxxxxxxxxx> wrote in message  
<news:uFi4ZttxGHA.4112@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

Server1

## Re: Active directory replication problems

### Error1

DNS Server has updated its own host (A) records. In order to insure that its DS-integrated peer DNS servers are able to replicate with this server, an attempt was made to update them with the new records through dynamic update. An error was encountered during this update, the record data is the error code.

If this DNS server does not have any DS-integrated peers, then this error should be ignored.

If this DNS server's ActiveDirectory replication partners do not have the correct IP address(es) for this server, they will be unable to replicate with it.

To insure proper replication:

- 1) Find this server's ActiveDirectory replication partners that run the DNS server.
- 2) Open DnsManager and connect in turn to each of the replication partners.
- 3) On each server, check the host (A record) registration for THIS server.
- 4) Delete any A records that do NOT correspond to IP addresses of this server.
- 5) If there are no A records for this server, add at least one A record corresponding to an address on this server, that the replication partner can contact. (In other words, if there multiple IP addresses for this DNS server, add at least one that is on the same network as the ActiveDirectory DNS server you are updating.)
- 6) Note, that is not necessary to update EVERY replication partner. It is only necessary that the records are fixed up on enough replication partners so that every server that replicates with this server will receive (through replication) the new data.

### Error2

DNS Server has updated its own host (A) records. In order to insure that its DS-integrated peer DNS servers are able to replicate with this server, an attempt was made to update them with the new records through dynamic update. An error was encountered during this update, the record data is the error code.

If this DNS server does not have any DS-integrated peers, then this error should be ignored.

If this DNS server's ActiveDirectory replication partners do not have the correct IP address(es) for this server, they will be unable to replicate with it.

## Re: Active directory replication problems

To insure proper replication:

- 1) Find this server's ActiveDirectory replication partners that run the DNS server.
- 2) Open DnsManager and connect in turn to each of the replication partners.
- 3) On each server, check the host (A record) registration for THIS server.
- 4) Delete any A records that do NOT correspond to IP addresses of this server.
- 5) If there are no A records for this server, add at least one A record corresponding to an address on this server, that the replication partner can contact. (In other words, if there multiple IP addresses for this DNS server, add at least one that is on the same network as the ActiveDirectory DNS server you are updating.)
- 6) Note, that is not necessary to update EVERY replication partner. It is only necessary that the records are fixed up on enough replication partners so that every server that replicates with this server will receive (through replication) the new data.

### Error3

DNS Server has updated its own host (A) records. In order to insure that its DS-integrated peer DNS servers are able to replicate with this server, an attempt was made to update them with the new records through dynamic update. An error was encountered during this update, the record data is the error code.

If this DNS server does not have any DS-integrated peers, then this error should be ignored.

If this DNS server's ActiveDirectory replication partners do not have the correct IP address(es) for this server, they will be unable to replicate with it.

To insure proper replication:

- 1) Find this server's ActiveDirectory replication partners that run the DNS server.
- 2) Open DnsManager and connect in turn to each of the replication partners.
- 3) On each server, check the host (A record) registration for THIS server.
- 4) Delete any A records that do NOT correspond to IP addresses of this server.
- 5) If there are no A records for this server, add at least one A record corresponding to an address on this server, that the replication partner can contact. (In other words, if there multiple IP addresses for this DNS server, add at least one that is on the same network as the

## Re: Active directory replication problems

ActiveDirectory DNS server you are updating.)

6) Note, that is not necessary to update EVERY replication partner. It is only necessary that the records are fixed up on enough replication partners so that every server that replicates with this server will receive (through replication) the new data.

Server2

Error1

The DNS server has encountered a critical error from the Active Directory. Check that the Active Directory is functioning properly. The extended error debug information (which may be empty) is "". The event data contains the error.

Error2

The DNS server was unable to complete directory service enumeration of zone .. This DNS server is configured to use information obtained from Active Directory for this zone and is unable to load the zone without it. Check that the Active Directory is functioning properly and repeat enumeration of the zone. The extended error debug information (which may be empty) is "". The event data contains the error.

Error3

The DNS server was unable to complete directory service enumeration of zone 12.168.192.in-addr.arpa. This DNS server is configured to use information obtained from Active Directory for this zone and is unable to load the zone without it. Check that the Active Directory is functioning properly and repeat enumeration of the zone. The extended error debug information (which may be empty) is "". The event data contains the error.

The DNS server was unable to complete directory service enumeration of zone domain.com. This DNS server is configured to use information obtained from Active Directory for this zone and is unable to load the zone without it. Check that the Active Directory is functioning properly and repeat enumeration of the zone. The extended error debug information (which may be empty) is "". The event data contains the error.

Re: Active directory replication problems

"kj" <kj@xxxxxxxxxxxx> wrote in message  
[news:uqdO4ftxGHA.3456@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:uqdO4ftxGHA.3456@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

restart both servers, any order, then type;

nslookup

server1.domain.com  
server2.domain.com

Do this from each server. Both should respond with correct IP values for each server.

Next open the event viewer on each DC and examine entries in the DNS Server and Directory Services.

Post the first three "errors" (red x) from each log from each server after the latest restart.

--

/kj

"J" <jk\_50@xxxxxxxxxxxx> wrote in message  
[news:ehn%23xYtxGHA.4660@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:ehn%23xYtxGHA.4660@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

I posted the netdiag in the following post. I misunderstood regarding the DNS config. I changed those to the correct settings. Do you want the netdiag log again?

"kj" <kj@xxxxxxxxxxxx> wrote in message  
[news:eWar%23TtxGHA.2168@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:eWar%23TtxGHA.2168@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

What was the exact netdiag error on the SBS server?

Host Name.  
.....:  
SERVER1  
IP Address .

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.....:  
192.168.12.3  
Dns  
Servers. . . .  
.....:  
192.168.12.201

Server1 is still configured to  
use Server2 for it's only  
DNS. This  
should say;

Dns Servers 192.168.12.3  
192.168.12.201

Server2 should look like;

Dns Servers 192.168.12.201  
192.168.12.3

--

/kj

"J" <jk\_50@xxxxxxxxxxxx>

wrote in message

[news:eYhjKKtxGHA.4960@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:eYhjKKtxGHA.4960@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

The two  
dc's are on  
the same  
network. I  
cleaned up  
SERVER3  
and  
SERVER4

I get an  
error  
running  
netdiag on  
the 2003  
SBS box:

So on the  
2k box...

Computer  
Name:  
SERVER1  
DNS Host

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Name:  
SERVER1.domain.com  
System info  
: Windows  
2000 Server  
(Build  
2195)  
Processor :  
x86 Family  
15 Model 2  
Stepping 9,  
GenuineIntel  
List of  
installed  
hotfixes :  
KB329115  
KB822343  
KB823182  
KB823559  
KB824105  
KB825119  
KB826232  
KB828035  
KB828749  
KB832353  
KB832359  
KB841356  
KB842773  
KB885836  
KB890046  
KB893756  
KB893803v2  
KB896358  
KB896422  
KB896423  
KB896424  
KB899587  
KB899589  
KB899591  
KB900725  
KB901017  
KB901214  
KB904706  
KB905414  
KB905495-IE6SP1-20050805.184113  
KB905749  
KB908519  
KB908523  
KB908531  
KB911280  
KB911564

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KB911567–OE6SP1–20060316.165634  
KB912812–IE6SP1–20060322.182418  
KB912919  
KB913580  
KB914388  
KB914389  
KB916281–IE6SP1–20060526.162249  
KB917008  
KB917159  
KB917422  
KB917537  
KB917736  
KB917953  
KB918899–IE6SP1–20060725.123917  
KB920670  
KB920683  
KB920958  
KB921398  
KB921883  
KB922616  
Q147222  
Q828026  
Update  
Rollup 1

Netcard  
queries test  
..... :  
Passed

Per  
interface  
results:

Adapter :  
Local Area  
Connection

Netcard  
queries test  
... : Passed

Host Name.  
..... :  
SERVER1  
IP Address .  
..... :  
192.168.12.3

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Subnet  
Mask. . . . .  
. . . :  
255.255.255.0  
Default  
Gateway. . .  
. . . :  
192.168.12.1  
Dns  
Servers. . . .  
. . . . :  
192.168.12.201

AutoConfiguration  
results. . . . .  
. . : Passed

Default  
gateway test  
. . . : Passed

NetBT  
name test. .  
. . . . :  
Passed

WINS  
service test.  
. . . . :  
Skipped  
There are  
no WINS  
servers  
configured  
for this  
interface.

Global  
results:

Domain  
membership  
test . . . . . :  
Passed

NetBT  
transports

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test. . . . .  
: Passed  
List of  
NetBt  
transports  
currently  
configured:  
NetBT\_Tcpip\_{E62BF97D-220C-42B8-B4E8-7CE7D6982FC8}  
1 NetBt  
transport  
currently  
configured.

Autonet  
address test  
. . . . . :  
Passed

IP loopback  
ping test. . .  
. . . . . :  
Passed

Default  
gateway test  
. . . . . :  
Passed

NetBT  
name test. .  
. . . . . :  
Passed

Winsock  
test. . . . .  
. . . . . :  
Passed

DNS test . .  
. . . . . :  
. . : Passed  
PASS – All  
the DNS  
entries for  
DC are

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registered  
on DNS  
server  
'192.168.12.201'  
and other  
DCs also  
have some  
of the  
names  
registered.

Redir and  
Browser  
test . . . . . :  
Passed  
List of  
NetBt  
transports  
currently  
bound to the  
Redir  
NetBT\_Tcpip\_{E62BF97D-220C-42B8-B4E8-7CE7D6982FC8}  
The redir is  
bound to 1  
NetBt  
transport.

List of  
NetBt  
transports  
currently  
bound to the  
browser  
NetBT\_Tcpip\_{E62BF97D-220C-42B8-B4E8-7CE7D6982FC8}  
The  
browser is  
bound to 1  
NetBt  
transport.

DC  
discovery  
test. . . . .  
. . . : Passed

DC list test  
. . . . .  
. . . : Passed

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Trust  
relationship  
test. . . . . :  
Passed  
Secure  
channel for  
domain  
'domain' is  
to  
'\\SERVER2.domain.com'.

Kerberos  
test. . . . .  
. . . . . :  
Passed

LDAP test.  
.....  
. . . : Passed  
[WARNING]  
Failed to  
query SPN  
registration  
on DC  
'SERVER2.domain.com'.

Bindings  
test. . . . .  
. . . . . :  
Passed

WAN  
configuration  
test . . . . . :  
Skipped  
No active  
remote  
access  
connections.

Modem  
diagnostics  
test . . . . . :  
Passed

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IP Security  
test . . . . .  
. . . : Passed  
IPSec  
policy  
service is  
active, but  
no policy is  
assigned.

The  
command  
completed  
successfully

"kj"  
<kj@xxxxxxxxxxxx>  
wrote in  
message  
[news:eNRYc\\$SxGHA.3488@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:eNRYc$SxGHA.3488@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

So,  
they  
are  
currently  
on  
the  
same  
network  
and  
not  
presently  
connected  
by  
VPN?

You've  
done  
the  
Metadata  
cleanup  
of  
Server3  
and  
Server4?

Next,

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on  
server1  
type;  
netdiag>server1.txt

on  
server2  
type;  
netdiag>server2.txt

Then  
post  
a  
reply  
with  
both  
server1.txt  
and  
server2.txt  
files

--  
/kj  
"J"  
<jk\_50@xxxxxxxxxxxx>  
wrote  
in  
message  
[news:OC5gw3sxGHA.5068@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:OC5gw3sxGHA.5068@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

I've  
done  
everythingf  
in  
the  
list.  
Regarding  
#1  
I  
put  
the  
server2  
on  
the  
same  
network  
as  
server1.  
I  
don't  
believe

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I  
seized  
any  
of  
the  
FSMO  
roles  
to

"kj"  
<kj@xxxxxxxxxxxx>  
wrote  
in  
message  
[news:OJvPTfsxGHA.4972@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:OJvPTfsxGHA.4972@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

OK,  
well  
a  
couple  
of  
things;

1)  
Both  
sides  
of  
the  
VPN  
are  
the  
same  
subnet?  
(192.168.12.x)  
What  
is  
creating  
and  
maintaining  
your  
VPN,  
separate  
routers  
perhaps?  
You  
sites  
should  
have  
different  
subnets  
to

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facilitate  
routing  
and  
AD  
Site  
configuration  
and  
Intersite  
replication.

2)  
Your  
Active  
Directory  
still  
has  
two  
(apparently  
orphaned)  
Domain  
Controllers  
(server3,  
server4)  
that  
must  
be  
manually  
cleaned  
up.  
See  
MS  
KB#216498  
(<http://support.microsoft.com/kb/216498/en->  
)

,  
but  
frankly

this

is  
a  
risky  
process  
unless  
you've  
done  
this  
before  
or  
really

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know  
what

you're

doing.  
You  
might  
want  
to  
consider  
a  
Microsoft  
Support  
call  
for  
help  
on

this

or  
try  
locating  
a  
qualified  
local  
resource.

3)  
Configure  
each  
DC's  
DNS  
settings  
for;  
DNS#1  
(IP  
of  
Self)  
DNS#2  
(IP  
of  
the  
Other  
DC)  
...then  
restart  
the  
server(s).

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4)  
Is  
Server  
2  
the  
SBS2003  
Server?  
Have  
you  
SEIZED  
any  
of  
the  
FSMO  
roles

to

Server1?

--

/kj

"J"

<jk\_50@xxxxxxxxxxxx>

wrote

in

message

[news:egpr.JsxGHA.4960@xxxxxxxxxxxxxxxx](mailto:news:egpr.JsxGHA.4960@xxxxxxxxxxxxxxxx)

I'm  
connected  
via  
VPN.  
ipconfig:

SERVER1:  
Windows  
2000  
IP  
Configuration

Host  
Name

.  
. .  
. .  
. .  
. .  
. .

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.  
. .  
. .  
. .  
:  
SERVER1  
Primary  
DNS  
Suffix  
. .  
. .  
. .  
. .  
:  
:  
domain.com  
Node  
Type  
. .  
. .  
. .  
. .  
. .  
. .  
. .  
:  
Hybrid  
IP  
Routing  
Enabled.  
. .  
. .  
. .  
:  
No  
WINS  
Proxy  
Enabled.  
.



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.  
. .  
. .  
. .  
. .  
. .  
. .  
00-11-43-59-6F-92  
DHCP  
Enabled.

.  
. .  
. .  
. .  
. .  
. .  
. .  
. .  
. .  
No  
IP  
Address.

.  
. .  
. .  
. .  
. .  
. .  
. .  
. .  
. .  
192.168.12.3  
Subnet  
Mask

.  
. .  
. .  
. .  
. .  
. .  
. .  
. .  
. .



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:  
SERVER2  
Primary  
Dns  
Suffix  
.  
.  
.  
.  
.  
:  
:  
domain.com  
Node  
Type  
.  
.  
.  
.  
.  
.  
.  
.  
.  
:  
Hybrid  
IP  
Routing  
Enabled.  
.  
.  
.  
.  
.  
:  
No  
WINS  
Proxy  
Enabled.  
.  
.  
.  
.  
.

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.  
:  
No  
DNS  
Suffix  
Search  
List.  
. . . . .  
:  
:  
domain.com  
  
Ethernet  
adapter  
Server  
Local  
Area  
Connection:  
  
Connection-specific  
DNS  
Suffix  
. . . . .  
:  
:  
Description  
. . . . .  
. . . . .  
. . . . .  
:  
:  
Intel(R)  
PRO/1000  
MT  
Network  
Connection  
Physical  
Address.  
. . . . .



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Gateway

.  
. .  
. .  
. .  
. .  
. .  
. .  
. .  
. .  
. .  
:

192.168.12.1

DNS

Servers

.  
. .  
. .  
. .  
. .  
. .  
. .  
. .  
. .  
. .  
:

192.168.12.201

Primary

WINS

Server

.  
. .  
. .  
. .  
. .  
. .  
. .  
. .  
:

192.168.12.201

dcdiag

SERVER1

Domain

Controller

Diagnosis

Performing

initial

setup:

\*

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Verifying  
that  
the  
local  
machine  
SERVER1,  
is  
a  
DC.

\*  
Connecting  
to  
directory  
service  
on  
server  
SERVER1.

\*  
Collecting  
site  
info.

\*  
Identifying  
all  
servers.

\*  
Found  
4  
DC(s).  
Testing  
4  
of  
them.

Done  
gathering  
initial  
info.

Doing  
initial  
required  
tests

Testing  
server:  
Default-First-Site-Name\SERVER2

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Starting  
test:  
Connectivity

\*  
Active  
Directory  
LDAP  
Services  
Check

[SERVER2]  
LDAP  
bind  
failed  
with  
error  
31,

A  
device  
attached  
to  
the  
system  
is  
not  
functioning..

.....  
SERVER2  
failed  
test  
Connectivity

Testing  
server:  
Default-First-Site-Name\SERVER2

Starting  
test:  
Connectivity

\*  
Active  
Directory  
LDAP  
Services  
Check

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926b7371-0e07-4df2-a040-c13c01

server  
GUID  
DNS

name  
could  
not  
be  
resolved  
to  
an

IP  
address.  
Check  
the  
DNS  
server,  
DHCP,  
server  
name,  
etc

.....  
SERVER3  
failed  
test  
Connectivity

Testing  
server:  
Default-First-Site-Name\SERVER4

Starting  
test:  
Connectivity

\*  
Active  
Directory  
LDAP  
Services  
Check

cd82ea43-93ed-41a2-8169-828181  
server  
GUID  
DNS

name

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could  
not  
be  
resolved  
to  
an

IP  
address.  
Check  
the  
DNS  
server,  
DHCP,  
server  
name,  
etc

.....  
SERVER4  
failed  
test  
Connectivity

Testing  
server:  
Default-First-Site-Name\SERVER1

Starting  
test:  
Connectivity

\*  
Active  
Directory  
LDAP  
Services  
Check

\*  
Active  
Directory  
RPC  
Services  
Check

.....  
SERVER1  
passed  
test  
Connectivity

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Doing  
primary  
tests

Testing  
server:  
Default-First-Site-Name\SERVER2

Skipping  
all  
tests,  
because  
server  
SERVER2  
is

not  
responding  
to  
directory  
service  
requests

Test  
omitted  
by  
user  
request:  
Topology

Test  
omitted  
by  
user  
request:  
CutoffServers

Test  
omitted  
by  
user  
request:  
OutboundSecureChannels

Testing  
server:  
Default-First-Site-Name\SERVER3

Skipping  
all

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tests,  
because  
server  
SERVER3  
is

not  
responding  
to  
directory  
service  
requests

Test  
omitted  
by  
user  
request:  
Topology

Test  
omitted  
by  
user  
request:  
CutoffServers

Test  
omitted  
by  
user  
request:  
OutboundSecureChannels

Testing  
server:  
Default-First-Site-Name\SERVER4

Skipping  
all  
tests,  
because  
server  
SERVER4  
is

not  
responding  
to  
directory  
service

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requests

Test  
omitted  
by  
user  
request:  
Topology

Test  
omitted  
by  
user  
request:  
CutoffServers

Test  
omitted  
by  
user  
request:  
OutboundSecureChannels

Testing  
server:  
Default-First-Site-Name\SERVER1

Starting  
test:  
Replications

\*  
Replications  
Check

.....  
SERVER1  
passed  
test  
Replications

Test  
omitted  
by  
user  
request:  
Topology

Test  
omitted  
by

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user  
request:  
CutoffServers

Starting  
test:  
NCSecDesc

\*  
Security  
Permissions  
Check  
for

CN=Schema,CN=Configuration,DC=

\*  
Security  
Permissions  
Check  
for

CN=Configuration,DC=domain,DC=

\*  
Security  
Permissions  
Check  
for

DC=domain,DC=com

.....  
SERVER1  
passed  
test  
NCSecDesc

Starting  
test:  
NetLogons

\*  
Network  
Logons  
Privileges  
Check

.....  
SERVER1  
passed

Re: Active directory replication problems

test  
NetLogons

Starting  
test:  
Advertising

The  
DC  
SERVER1  
is  
advertising  
itself  
as  
a  
DC  
and  
having  
a  
DS.

The  
DC  
SERVER1  
is  
advertising  
as  
an  
LDAP  
server

The  
DC  
SERVER1  
is  
advertising  
as  
having  
a  
writeable  
directory

The  
DC  
SERVER1  
is  
advertising  
as  
a  
Key  
Distribution

Re: Active directory replication problems

Center

The  
DC  
SERVER1  
is  
advertising  
as  
a  
time  
server

The  
DS  
SERVER1  
is  
advertising  
as  
a  
GC.

.....  
SERVER1  
passed  
test  
Advertising

Starting  
test:  
KnowsOfRoleHolders

Role  
Schema  
Owner  
=  
CN=NTDS  
Settings,CN=SERVER2,CN=Servers

irst-Site-Name,CN=Sites,CN=Conf

[SERVER2]  
DsBind()  
failed  
with  
error  
-2146893022,

The  
target  
principal  
name

Re: Active directory replication problems

is  
incorrect..

Warning:  
SERVER2  
is  
the  
Schema  
Owner,  
but  
is  
not  
responding  
to  
DS  
RPC  
B

ind.

Warning:  
SERVER2  
is  
the  
Schema  
Owner,  
but  
is  
not  
responding  
to  
LDAP  
Bin

d.

Role  
Domain  
Owner  
=  
CN=NTDS  
Settings,CN=SERVER2,CN=Servers

irst-Site-Name,CN=Sites,CN=Conf

Warning:  
SERVER2  
is  
the  
Domain  
Owner,

Re: Active directory replication problems

but  
is  
not  
responding  
to  
DS  
RPC  
B

ind.

Warning:  
SERVER2  
is  
the  
Domain  
Owner,  
but  
is  
not  
responding  
to  
LDAP  
Bin

d.

Role  
PDC  
Owner  
=  
CN=NTDS  
Settings,CN=SERVER2,CN=Servers

t-Site-Name,CN=Sites,CN=Configu

Warning:  
SERVER2  
is  
the  
PDC  
Owner,  
but  
is  
not  
responding  
to  
DS  
RPC  
Bind

Re: Active directory replication problems

.

Warning:  
SERVER2  
is  
the  
PDC  
Owner,  
but  
is  
not  
responding  
to  
LDAP  
Bind.

Role  
Rid  
Owner  
=  
CN=NTDS  
Settings,CN=SERVER2,CN=Servers  
t-Site-Name,CN=Sites,CN=Configu

Warning:  
SERVER2  
is  
the  
Rid  
Owner,  
but  
is  
not  
responding  
to  
DS  
RPC  
Bind

.

Warning:  
SERVER2  
is  
the  
Rid  
Owner,  
but  
is  
not

Re: Active directory replication problems

responding  
to  
LDAP  
Bind.

Role  
Infrastructure  
Update  
Owner  
=  
CN=NTDS  
Settings,CN=SERVER2,CN=Serve  
rs,CN=Default-First-Site-Name,CN

Warning:  
SERVER2  
is  
the  
Infrastructure  
Update  
Owner,  
but  
is  
not  
respond

ing  
to  
DS  
RPC  
Bind.

Warning:  
SERVER2  
is  
the  
Infrastructure  
Update  
Owner,  
but  
is  
not  
respond

ing  
to  
LDAP  
Bind.

.....

Re: Active directory replication problems

SERVER1  
failed  
test  
KnowsOfRoleHolders

Starting  
test:  
RidManager

\*  
Available  
RID  
Pool  
for  
the  
Domain  
is  
3109  
to  
1073741823

\*  
SERVER2.domain.com  
is  
the  
RID  
Master

[SERVER1]  
DsBindWithCred()  
failed  
with  
error  
-2146893022.  
The  
target  
pr

incipal  
name  
is  
incorrect.

.....  
SERVER1  
failed  
test  
RidManager

Starting  
test:

Re: Active directory replication problems

MachineAccount

\*

SPN

found

:LDAP/SERVER1.domain.com/dom

\*

SPN

found

:LDAP/SERVER1.domain.com

\*

SPN

found

:LDAP/SERVER1

\*

SPN

found

:LDAP/SERVER1.domain.com/dom

\*

SPN

found

:LDAP/d8055eba-fec9-4050-b114-

\*

SPN

found

:E3514235-4B06-11D1-AB04-00C

14-38f977a2022e/domain.com

\*

SPN

found

:HOST/SERVER1.domain.com/dom

\*

SPN

found

:HOST/SERVER1.domain.com

\*

SPN

found

:HOST/SERVER1

\*

SPN

Re: Active directory replication problems

found  
:HOST/SERVER1.domain.com/dom

\*  
SPN  
found  
:GC/SERVER1.domain.com/domain

.....  
SERVER1  
passed  
test  
MachineAccount

Starting  
test:  
Services

\*  
Checking  
Service:  
Dnscache

\*  
Checking  
Service:  
NtFrs

\*  
Checking  
Service:  
IsmServ

\*  
Checking  
Service:  
kdc

\*  
Checking  
Service:  
SamSs

\*  
Checking  
Service:  
LanmanServer

\*  
Checking  
Service:

Re: Active directory replication problems

LanmanWorkstation

\*

Checking  
Service:  
RpcSs

\*

Checking  
Service:  
RPCLOCATOR

\*

Checking  
Service:  
w32time

\*

Checking  
Service:  
TrkWks

\*

Checking  
Service:  
TrkSvr

\*

Checking  
Service:  
NETLOGON

\*

Checking  
Service:  
Dnscache

\*

Checking  
Service:  
NtFrs

.....

SERVER1  
passed  
test  
Services

Test  
omitted  
by

Re: Active directory replication problems

user  
request:  
OutboundSecureChannels

Starting  
test:  
ObjectsReplicated

SERVER1  
is  
in  
domain  
DC=domain,DC=com

Checking  
for  
CN=SERVER1,OU=Domain  
Controllers,DC=domain,DC=com  
in  
domain

DC=domain,DC=com  
on  
1  
servers

Object  
is  
up-to-date  
on  
all  
servers.

Checking  
for  
CN=NTDS  
Settings,CN=SERVER1,CN=Servers

te-Name,CN=Sites,CN=Configuratio  
in  
domain  
CN=Configuration,DC=

domain,DC=com  
on  
1  
servers

Object  
is  
up-to-date

Re: Active directory replication problems

on  
all  
servers.

.....  
SERVER1  
passed  
test  
ObjectsReplicated

Starting  
test:  
frssysvol

\*  
The  
File  
Replication  
Service  
Event  
log  
test

The  
SYSVOL  
has  
been  
shared,  
and  
the  
AD  
is  
no  
longer

prevented  
from  
starting  
by  
the  
File  
Replication  
Service.

There  
are  
errors  
after  
the  
SYSVOL  
has

Re: Active directory replication problems

been  
shared.

The  
SYSVOL  
can  
prevent  
the  
AD  
from  
starting.

An  
Warning  
Event  
occured.  
EventID:  
0x800034C4

Time  
Generated:  
08/21/2006  
17:43:22

Event  
String:  
The  
File  
Replication  
Service  
is  
having  
trouble

enabling  
replication  
from  
SERVER2  
to  
SERVER1  
for

c:\winnt1\sysvol\domain  
using  
the  
DNS  
name

SERVER2.domain.com.  
FRS  
will

Re: Active directory replication problems

keep  
retrying.

Following  
are  
some  
of  
the  
reasons  
you  
would  
see

this  
warning.

[1]  
FRS  
can  
not  
correctly  
resolve  
the  
DNS  
name

SERVER2.domain.com  
from  
this  
computer.

[2]  
FRS  
is  
not  
running  
on  
SERVER2.domain.com.

[3]  
The  
topology  
information  
in  
the  
Active

Directory  
for  
this  
replica

Re: Active directory replication problems

has  
not  
yet  
replicated

to  
all  
the  
Domain  
Controllers.

This  
event  
log  
message  
will  
appear  
once  
per

connection,  
After  
the  
problem  
is  
fixed  
you  
will

see  
another  
event  
log  
message  
indicating  
that  
the

connection  
has  
been  
established.

An  
Warning  
Event  
occured.  
EventID:  
0x800034C4

Time

Re: Active directory replication problems

Generated:  
08/21/2006  
17:47:14

Event  
String:  
The  
File  
Replication  
Service  
is  
having  
trouble

enabling  
replication  
from  
SERVER3  
to  
SERVER1  
for

c:\winnt1\sysvol\domain  
using  
the  
DNS  
name

SERVER3.domain.com.  
FRS  
will  
keep  
retrying.

Following  
are  
some  
of  
the  
reasons  
you  
would  
see

this  
warning.

[1]  
FRS  
can  
not

Re: Active directory replication problems

correctly  
resolve  
the  
DNS  
name

SERVER3.domain.com  
from  
this  
computer.

[2]  
FRS  
is  
not  
running  
on  
SERVER3.domain.com.

[3]  
The  
topology  
information  
in  
the  
Active

Directory  
for  
this  
replica  
has  
not  
yet  
replicated

to  
all  
the  
Domain  
Controllers.

This  
event  
log  
message  
will  
appear  
once  
per

Re: Active directory replication problems

connection,  
After  
the  
problem  
is  
fixed  
you  
will

see  
another  
event  
log  
message  
indicating  
that  
the

connection  
has  
been  
established.

An  
Warning  
Event  
occured.  
EventID:  
0x800034C4

Time  
Generated:  
08/22/2006  
18:29:39

Event  
String:  
The  
File  
Replication  
Service  
is  
having  
trouble

enabling  
replication  
from  
SERVER2  
to  
SERVER1

Re: Active directory replication problems

for

c:\winnt1\sysvol\domain  
using  
the  
DNS  
name

SERVER2.domain.com.  
FRS  
will  
keep  
retrying.

Following  
are  
some  
of  
the  
reasons  
you  
would  
see

this  
warning.

[1]  
FRS  
can  
not  
correctly  
resolve  
the  
DNS  
name

SERVER2.domain.com  
from  
this  
computer.

[2]  
FRS  
is  
not  
running  
on  
SERVER2.domain.com.

[3]

Re: Active directory replication problems

The  
topology  
information  
in  
the  
Active

Directory  
for  
this  
replica  
has  
not  
yet  
replicated

to  
all  
the  
Domain  
Controllers.

This  
event  
log  
message  
will  
appear  
once  
per

connection,  
After  
the  
problem  
is  
fixed  
you  
will

see  
another  
event  
log  
message  
indicating  
that  
the

connection  
has

Re: Active directory replication problems

been  
established.

.....  
SERVER1  
passed  
test  
frssysvol

Starting  
test:  
kccevent

\*  
The  
KCC  
Event  
log  
test

An  
Warning  
Event  
occured.  
EventID:  
0x800004F1

Time  
Generated:  
08/23/2006  
08:18:15

(Event  
String  
could  
not  
be  
retrieved)

An  
Warning  
Event  
occured.  
EventID:  
0x800004F1

Time  
Generated:  
08/23/2006  
08:18:15

Re: Active directory replication problems

(Event  
String  
could  
not  
be  
retrieved)

An  
Warning  
Event  
occured.  
EventID:  
0x800004F1

Time  
Generated:  
08/23/2006  
08:18:15

(Event  
String  
could  
not  
be  
retrieved)

.....  
SERVER1  
failed  
test  
kcevent

Starting  
test:  
systemlog

\*  
The  
System  
Event  
log  
test

Found  
no  
errors  
in  
System  
Event  
log  
in

Re: Active directory replication problems

the  
last  
60  
minutes.

.....  
SERVER1  
passed  
test  
systemlog

Running  
enterprise  
tests  
on  
:  
domain.com

Starting  
test:  
Intersite

Skipping  
site  
Default-First-Site-Name,  
this  
site  
is  
outside  
the  
scope

provided  
by  
the  
command  
line  
arguments  
provided.

.....  
domain.com  
passed  
test  
Intersite

Starting  
test:  
FsmoCheck

GC

Re: Active directory replication problems

Name:  
\\SERVER1.domain.com

Locator  
Flags:  
0xe00001fc

PDC  
Name:  
\\SERVER2.domain.com

Locator  
Flags:  
0xe00001bd

Time  
Server  
Name:  
\\SERVER1.domain.com

Locator  
Flags:  
0xe00001fc

Preferred  
Time  
Server  
Name:  
\\SERVER1.domain.com

Locator  
Flags:  
0xe00001fc

KDC  
Name:  
\\SERVER1.domain.com

Locator  
Flags:  
0xe00001fc

.....  
domain.com  
passed  
test  
FsmoCheck

dcdiag  
SERVER2

Re: Active directory replication problems

"kj"  
<kj@xxxxxxxxxxxx>  
wrote  
in  
message  
[news:%23pWcsvgxGHA.4336@xxx](mailto:news:%23pWcsvgxGHA.4336@xxx)

OK,  
so  
your  
not  
in  
the  
"tombstone  
danger  
zone".  
Apologies  
if  
you've

already

posted  
this,  
but  
please  
describe  
how  
the  
two  
sites  
are  
connected  
to

each

other  
(VPN).  
Also  
post  
the  
results  
of  
each  
of  
the  
following  
run  
from

Re: Active directory replication problems

EACH

DC;

Ipconfig/all

dcdiag

/e

/v

--

/kj

"J"

<jk\_50@xxxxxxxxxxxx>

wrote

in

message

[news:OFgyRplxGHA.4092@](mailto:news:OFgyRplxGHA.4092@)

8-22-2006

was

the

last

successful

replication.

"kj"

<kj@xxxxxxxxxxxx>

wrote

in

message

[news:upfGnZjxGHA](mailto:news:upfGnZjxGHA)

"J",

I

would

doubt

that,

even

if

it

was

possible.

PDC

is

an

NT4

and

earlier

thing.

Re: Active directory replication problems

60

Re: Active directory replication problems

OP,  
what  
is  
the  
network  
connection  
type  
to  
the  
other  
site  
and  
how

long

has  
the  
replication  
problem  
been  
going  
on?

--  
/kj  
"j"  
<jk\_50@xxx  
wrote  
in  
message  
<news:uEmsa>

Wou  
it  
be  
bene  
to  
run  
dcpr  
to  
upgr  
the  
Win  
2000

BDC

to

Re: Active directory replication problems

PDC  
and  
dow  
the  
SBS  
2003  
from  
PDC  
to  
BDC  
then  
reve  
the

process?

J

"Cri  
Han  
(SBS  
<cri  
wrot  
in  
mess  
new  
have  
you  
run  
DCc  
on  
your  
sbss

---  
Cris  
Han  
[SBS

---  
Plea  
do  
not  
resp  
direc  
to  
me,  
but  
only  
post

Re: Active directory replication problems

in  
the

newsgroup

so

all  
can  
take  
advan  
"J"

<jk\_  
wrot  
in  
mess

new

By  
the  
way  
repli  
prob  
start  
whe  
I  
reins  
the  
serv  
tools  
and  
Excl

J

"J"  
<jk\_  
wrot  
in  
mess  
new

Re: Active directory replication problems

and

it

any

without

Re: Active directory replication problems

more

Re: Active directory replication problems

following

network

Re: Active directory replication problems