

# Re: Replication Issues

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[http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.active\\_directory/2007-09/msg00151](http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.active_directory/2007-09/msg00151)

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  - *Date:* Wed, 5 Sep 2007 07:04:25 -0500
- 

Other things to note:

Is there a Firewall that exists between this dc having troubles and the other dc or its dns server?

From a command prompt run and post

```
repadmin.exe /showrepl dc* /verbose /all /intersite > c:\repl.txt
```

—  
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Please no e-mails, any questions should be posted in the NewsGroup  
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"Steve B" <[SteveB@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:SteveB@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx)> wrote in message  
[news:5E9E71B4-E262-4406-A9C6-571CEE86685F@xxxxxxxxxxxxxxxxxxxxx](mailto:news:5E9E71B4-E262-4406-A9C6-571CEE86685F@xxxxxxxxxxxxxxxxxxxxx)

Hi,

- 1) Is there anything in the Event Logs on the DC that is failing? Look for database errors in the System/ DS logs?
- 2) Can you create objects on the domain controller that is not replicating?
- 3) What is your replication topology (i.e. site / site links) etc?
- 4) Are you running Windows 2000 or 2003?

"Neil" wrote:

## Re: Replication Issues

Having replication issues. Ran DCDIAG and here is the output for the server which is having issues. I see that it is trying to talk to Server3 which is the main replication partner, but later on it creates KCC to all the other servers to replicate. Any help would be appreciated.

thanks in advance

```
C:\Documents and Settings\mark>DCDIAG
```

Domain Controller Diagnosis

Performing initial setup:  
Done gathering initial info.

Doing initial required tests

Testing server: Nashville\DESTSERVER  
Starting test: Connectivity  
..... DESTSERVER passed test Connectivity

Doing primary tests

Testing server: Nashville\DESTSERVER  
Starting test: Replications  
[Replications Check,DESTSERVER] A recent replication attempt failed:  
From TMCDUADS to DESTSERVER  
Naming Context: DC=companyname,DC=com  
The replication generated an error (8451):  
The replication operation encountered a database error.  
The failure occurred at 2007-09-04 16:51:30.  
The last success occurred at (never).  
2 failures have occurred since the last success.  
A serious error is preventing replication from continuing.  
Consult the error log for further information.  
If a particular object is named, it may be necessary to manually modify or delete the object.  
If the condition persists, contact Microsoft Support.  
[Replications Check,DESTSERVER] A recent replication attempt failed:  
From TMCADS3 to DESTSERVER  
Naming Context: DC=companyname,DC=com  
The replication generated an error (8451):  
The replication operation encountered a database error.  
The failure occurred at 2007-09-04 16:55:15.

## Re: Replication Issues

The last success occurred at 2007-08-19 03:17:32.  
778 failures have occurred since the last success.  
A serious error is preventing replication from continuing.  
Consult the error log for further information.

If a particular object is named, it may be necessary to manually modify or delete the object.

If the condition persists, contact Microsoft Support.

REPLICATION-RECEIVED LATENCY WARNING

DESTSERVER: Current time is 2007-09-04 16:55:57.

DC=companyname,DC=com

Last replication recieved from SERVER3 at 2007-08-19 03:17:32.

Last replication recieved from SERVER4 at 2007-08-19 02:52:42.

Last replication recieved from SERVER1 at 2007-08-19 03:17:20.

Last replication recieved from SERVER2 at 2007-08-19 03:17:20.

Last replication recieved from SERVER5 at 2007-08-19 02:52:41.

Last replication recieved from SERVER6 at 2007-08-19 02:52:42.

Last replication recieved from SERVER7 at 2007-08-19 02:51:58.

Last replication recieved from SERVER8 at 2007-08-19 02:52:41.

Last replication recieved from SERVER9 at 2007-08-19 02:52:42.

..... DESTSERVER passed test Replications

Starting test: NCSecDesc

..... DESTSERVER passed test NCSecDesc

Starting test: NetLogons

..... DESTSERVER passed test NetLogons

Starting test: Advertising

..... DESTSERVER passed test Advertising

Starting test: KnowsOfRoleHolders

..... DESTSERVER passed test

KnowsOfRoleHolders

Starting test: RidManager

..... DESTSERVER passed test RidManager

Starting test: MachineAccount

..... DESTSERVER passed test MachineAccount

Starting test: Services

..... DESTSERVER passed test Services

Starting test: ObjectsReplicated

..... DESTSERVER passed test

ObjectsReplicated

Starting test: frssysvol

..... DESTSERVER passed test frssysvol

Starting test: frsevent

## Re: Replication Issues

There are warning or error events within the last 24 hours after the SYSVOL has been shared. Failing SYSVOL replication problems may cause

Group Policy problems.

..... DESTSERVER failed test frsevent

Starting test: kccevent

An Warning Event occurred. EventID: 0x8000061E

Time Generated: 09/04/2007 16:41:36

Event String: All domain controllers in the following site that

An Error Event occurred. EventID: 0xC000051F

Time Generated: 09/04/2007 16:41:36

Event String: The Knowledge Consistency Checker (KCC) has

An Warning Event occurred. EventID: 0x80000749

Time Generated: 09/04/2007 16:41:36

Event String: The Knowledge Consistency Checker (KCC) was

An Warning Event occurred. EventID: 0x8000061E

Time Generated: 09/04/2007 16:41:36

Event String: All domain controllers in the following site that

An Error Event occurred. EventID: 0xC000051F

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Time Generated: 09/04/2007 16:41:36

Event String: The Knowledge Consistency Checker (KCC) has

An Warning Event occurred. EventID: 0x80000749

Time Generated: 09/04/2007 16:41:36

Event String: The Knowledge Consistency Checker (KCC) was

An Error Event occurred. EventID: 0x000001C0

Time Generated: 09/04/2007 16:51:24

Event String: NTDS (396) NTDSA: Data inconsistency detected in

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An Warning Event occurred. EventID: 0x80000495  
Time Generated: 09/04/2007 16:51:24  
(Event String could not be retrieved)  
An Error Event occurred. EventID: 0xC000043C  
Time Generated: 09/04/2007 16:51:24  
(Event String could not be retrieved)  
An Error Event occurred. EventID: 0xC025083C  
Time Generated: 09/04/2007 16:51:24  
(Event String could not be retrieved)  
An Error Event occurred. EventID: 0x000001C0  
Time Generated: 09/04/2007 16:51:30  
Event String: NTDS (396) NTDSA: Data inconsistency detected  
in  
An Warning Event occurred. EventID: 0x80000495  
Time Generated: 09/04/2007 16:51:30  
(Event String could not be retrieved)  
An Error Event occurred. EventID: 0xC000043C  
Time Generated: 09/04/2007 16:51:30  
(Event String could not be retrieved)  
An Error Event occurred. EventID: 0xC025083C  
Time Generated: 09/04/2007 16:51:30  
(Event String could not be retrieved)  
An Error Event occurred. EventID: 0x000001C0  
Time Generated: 09/04/2007 16:52:32  
Event String: NTDS (396) NTDSA: Data inconsistency detected  
in  
An Warning Event occurred. EventID: 0x80000495  
Time Generated: 09/04/2007 16:52:32  
(Event String could not be retrieved)  
An Error Event occurred. EventID: 0xC000040F  
Time Generated: 09/04/2007 16:52:32  
(Event String could not be retrieved)  
An Warning Event occurred. EventID: 0x80000495  
Time Generated: 09/04/2007 16:52:32  
(Event String could not be retrieved)  
An Error Event occurred. EventID: 0xC00006A3  
Time Generated: 09/04/2007 16:52:32  
(Event String could not be retrieved)  
An Error Event occurred. EventID: 0x000001C0  
Time Generated: 09/04/2007 16:55:04  
Event String: NTDS (396) NTDSA: Data inconsistency detected  
in  
An Warning Event occurred. EventID: 0x80000495  
Time Generated: 09/04/2007 16:55:04  
(Event String could not be retrieved)  
An Error Event occurred. EventID: 0xC000043C  
Time Generated: 09/04/2007 16:55:04  
(Event String could not be retrieved)  
An Error Event occurred. EventID: 0xC025083C  
Time Generated: 09/04/2007 16:55:04  
(Event String could not be retrieved)

Re: Replication Issues

An Error Event occurred. EventID: 0x000001C0  
Time Generated: 09/04/2007 16:55:15  
Event String: NTDS (396) NTDSA: Data inconsistency detected  
in

An Warning Event occurred. EventID: 0x80000495  
Time Generated: 09/04/2007 16:55:15  
(Event String could not be retrieved)

An Error Event occurred. EventID: 0xC000043C  
Time Generated: 09/04/2007 16:55:15  
(Event String could not be retrieved)

An Error Event occurred. EventID: 0xC025083C  
Time Generated: 09/04/2007 16:55:15  
(Event String could not be retrieved)

..... DESTSERVER failed test kccevent  
Starting test: systemlog

An Error Event occurred. EventID: 0x00000457  
Time Generated: 09/04/2007 16:55:35  
(Event String could not be retrieved)  
..... DESTSERVER failed test systemlog  
Starting test: VerifyReferences

..... DESTSERVER passed test  
VerifyReferences

Running partition tests on : ForestDnsZones  
Starting test: CrossRefValidation  
..... ForestDnsZones passed test  
CrossRefValidati

Starting test: CheckSDRefDom  
..... ForestDnsZones passed test  
CheckSDRefDom

Running partition tests on : DomainDnsZones  
Starting test: CrossRefValidation  
..... DomainDnsZones passed test  
CrossRefValidati

Starting test: CheckSDRefDom  
..... DomainDnsZones passed test  
CheckSDRefDom

Running partition tests on : Schema  
Starting test: CrossRefValidation  
..... Schema passed test CrossRefValidation  
Starting test: CheckSDRefDom  
..... Schema passed test CheckSDRefDom

Running partition tests on : Configuration  
Starting test: CrossRefValidation  
..... Configuration passed test  
CrossRefValidatio

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Starting test: CheckSDRefDom  
..... Configuration passed test  
CheckSDRefDom

Running partition tests on : companyname  
Starting test: CrossRefValidation  
..... companyname passed test  
CrossRefValidation  
Starting test: CheckSDRefDom  
..... companyname passed test CheckSDRefDom

Running enterprise tests on : companyname.com  
Starting test: Intersite  
..... companyname.com passed test Intersite  
Starting test: FsmoCheck  
..... companyname.com passed test FsmoCheck