

# XP clients get no logon server error – machine accounts lose password on 2003 AD domain

**Source:**

[http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.active\\_directory/2005-02/1533.html](http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.active_directory/2005-02/1533.html)

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**From:** Fred (*Fred\_at\_mailinator.com*)

**Date:** 02/22/05

Date: Tue, 22 Feb 2005 14:15:04 +1100

Hi, (bit of a long posting but i want to get all the info across)

We have a brand new 2003 AD domain from scratch. We use SMS2004 to push XP to client PC's on the network.

As far as I can see AD & DNS are functioning properly. (more on this later)

The enterprise consists of one domain of which the HQ site has two DC's with AD integrated DNS... we have 6 branch locations of which one has a DC and the others just have normal File/print servers as they have minimal users.

It seems random computers are losing network logon capability because the password on the local computer and the server differ. Why they are losing the password I dont know??

My system log on one of the HQ DC's has many of the following critical errors for loads of different computers on the network

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source: NETLOGON

event id: 5722

The session setup from the computer COMPUTER1 failed to authenticate. The name(s) of the account(s) referenced in the security database is COMPUTER1\$.

The following error occurred:

Access is denied.

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source: Kerberos

event id: 4

The kerberos client received a KRB\_AP\_ERR\_MODIFIED error from the server COMPUTER3\$. The target name used was cifs/COMPUTER8.domain.com. This indicates that the password used to encrypt the kerberos service ticket is different than that on the target server. Commonly, this is due to identically named machine accounts in the target realm (DOMAIN.COM), and the client realm. Please contact your system administrator.

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THERE ARE DEFINITELY NO DUPLICATE NAMES ON THE NETWORK... the two computers mentioned above are both PC's ... no server is listed in the error

The problem that we are having is totally random and happens once for a user until we reset the machine account and remove and re-add the PC to the domain. So it seems the password is being lost between PC and server, i think it changes it every 30 days by default??

At first glance DC1 was not set to a NTP time source so i followed some KB article on setting a Win2003 server to look at its own internal clock as a time source (i will change it to a trusted time source later) I also set the other DC's to pull the time from DC1 and they are syncing fine. I then added DC1's IP to DHCP as the Time Server for the network so clients could point to DC for w32tm. It seems most clients that were having an issue with w32tm errors in the event log are now fixed. So time should not be an issue anymore. I know Kerberos authentication requires the w32tm to be in sync else logon could fail. I thought this might be causing the computers to drop out of the domain when trying to change the machine password after 30 days as the w32tm service was not working properly?? Anyway i only changed this setting yesterday so it might sort things out... as not all users shut down their machines at night so it might take a while for them to get the time settings from DHCP and sync their clock with the DC.

Running NetDiag on all 3 DC's produces no errors  
Running DCDiag produces "failed test systemlog" with the same error as mentioned above

An Error Event occurred. EventID: 0x40000004  
Time Generated: 02/22/2005 11:35:02  
Event String: The kerberos client received a KRB\_AP\_ERR\_MODIFIED error from the server AU003C0232\$. The target name used was cifs/AU003C0007.domain.com. This indicates that the password used to encrypt the kerberos service ticket is different than that on the target server. Commonly, this is due to identically named machine accounts in the target realm (domain.COM), and the client realm. Please contact your system administrator

I have also run the Active Directory Replication Monitor tool and can confirm that all replication is successful according to the tool. There are also no name resolution problems on the network between either client/server or server/server communication that i can see. FQDN resolution seems fine!

FRSDiag passes all tests on DC1 however on Dc2 i get these errors

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FRSDiag v1.7 on 22/02/2005 1:09:41 PM

.\DC2 on 2005-02-22 at 1.09.41 PM

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Checking for errors/warnings in FRS Event Log .... passed

Checking for errors in Directory Service Event Log ....

NTDS Replication 19/02/2005 10:03:59 PM Error 1863 This is the replication status for the following directory partition on the local domain controller.

Directory partition: DC=ForestDnsZones,DC=mydom,DC=domain,DC=com The local domain controller has not received replication information from a number of domain controllers within the configured latency interval.

Latency Interval (Hours): 24 Number of domain controllers in all sites:

1 Number of domain controllers in this site: 1 The latency

interval can be modified with the following registry key. Registry

Key: HKLM\System\CurrentControlSet\Services\NTDS\Parameters\Replicator

latency error interval (hours) To identify the domain controllers by

name, install the support tools included on the installation CD and run

dcdiag.exe. You can also use the support tool repadmin.exe to display the

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command is "repadmin /showvector /latency <partition-dn>".

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WARNING: Found Directory Service Errors in the past 15 days! FRS Depends on AD so Check AD Replication!

..... failed 15

Checking for minimum FRS version requirement ... passed

Checking for errors/warnings in ntfrsutl ds ... passed

Checking for Replica Set configuration triggers... passed

Checking for suspicious file Backlog size... passed

Checking Overall Disk Space and SYSVOL structure (note: integrity is not checked)... passed

Checking for suspicious inlog entries ... passed

Checking for suspicious outlog entries ... passed

Checking for appropriate staging area size ... passed

Checking for errors in debug logs ...

ERROR on NtFrs\_0005.log : "RPC\_S\_CALL\_FAILED\_DNE(Indicates RPC Session was established to target, but there was a failure to send RPC call package.

Check for Networking problems!)" : <SndCsMain: 2760:

874: S0: 11:30:35> :SR: Cmd 0026be18, CxtG f9b52231, WS

RPC\_S\_CALL\_FAILED\_DNE, To DC3.mydom.domain.com Len: (376) [SndFail – rpc exception]

ERROR on NtFrs\_0005.log : "RPC\_S\_CALL\_FAILED\_DNE(Indicates RPC Session was established to target, but there was a failure to send RPC call package.

Check for Networking problems!)" : <SndCsMain: 2760:

873: S0: 11:30:35> ++ ERROR – EXCEPTION (000006bf) : WStatus:

RPC\_S\_CALL\_FAILED\_DNE

ERROR on NtFrs\_0005.log : "RPC\_S\_CALL\_FAILED\_DNE(Indicates RPC Session was established to target, but there was a failure to send RPC call package.

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874: S0: 11:30:35> :SR: Cmd 039a9cf0, CxtG e69d5ac5, WS

RPC\_S\_CALL\_FAILED\_DNE, To DC3.mydom.domain.com Len: (578) [SndFail – rpc exception]

Found 4 RPC\_S\_CALL\_FAILED\_DNE error(s)! Latest ones (up to 3) listed above

..... failed with 4 error entries

Checking NtFrs Service (and dependent services) state...passed

Checking NtFrs related Registry Keys for possible problems...passed

Checking Repadmin Showreps for errors...passed

Final Result = failed with 19 error(s)

DC3 (remote branch DC) has this error

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Checking for errors/warnings in FRS Event Log ....

NtFrs 16/01/2005 6:35:00 PM Warning 13508 The File Replication Service is having trouble enabling replication from DC1 to DC3 for d:\windows\sysvol\domain using the DNS name DC1.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 DC1.domain.com from this computer. [2] FRS is not running on DC1.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 connection, After the problem is fixed you will see another event log message indicating that the connection has been established.

WARNING: Found Event ID 13508 errors without trailing 13509 ... see above for (up to) the 3 latest entries!

I DO GET THE TRAILING 13509 ERRORS: The File Replication Service has enabled replication from dc1 to DC3 for d:\windows\sysvol\domain after repeated retries

Just to add... i see they also have all 3 DC's acting as Global Catalog servers

If anybody has any insight it would be appreciated!

Thanks Fred