

## problem with AD dns auto registration and subdomain

**Source:** <http://www.tech-archive.net/Archive/Win2000/microsoft.public.win2000.dns/2004-10/0137.html>

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Hello,

I am trying to setup 2 dc's for a child domain, domain1.int.mydomain.com. The problem is that some of the DC dns records are not getting registered. The ones like '  
3189c2ac-f684-42ab-ae65-939df4bd34c0.\_msdcs.int.mydomain.com'.

The current setup is this

2 2003 domain controllers in the subdomain domain1.int.mydomain.com. 1 DC running dns with a forward looking zone domain1.int.mydomain.com that allows secure dynamic updates. The 1st dc was setup on site in the parent domain and the DC records are all resolvable as they should be. The 2nd dc was setup off site at the child domain location. It joined the subdomain fine but there are replication problems because of the missing dns entries. netdiag /fix shows lots of entries such as

DNS Error code: ERROR\_TIMEOUT (Dns server may be down.)

[FATAL] Failed to fix: DC DNS entry  
\_ldap.\_tcp.RFH.\_sites.gc.\_msdcs.INT.mydomain.com. re-registration on DNS server '192.168.0.1' failed.

This only happens with the parent domain records. The local subdomain entries ending in domain1.int.mydomain.com are all ok on the subdomains dns server. The server 192.168.0.1 is definately up and running and accepting dynamic updates for the subdomain.

I have the 2 dns servers of the parent domain as forwarders on my own child domain dc.

I have tried removing and re-creating the zone on the dns server. The domain1.int.mydomain.com records are all recreated as they should be but the dc records for the parent domain are not. I do not have a zone for the parent domain on the subdomains dns server.

Can anyone suggest what might be wrong?

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Thanks.