

## Re: DC Promo / DNS

**Source:** <http://www.tech-archive.net/Archive/Win2000/microsoft.public.win2000.dns/2004-03/0893.html>

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**From:** msnews.microsoft.com (*chrissaia\_at\_hotmail.com*)

**Date:** 03/15/04

Date: Mon, 15 Mar 2004 10:44:49 -0800

Thank you for the help! Answers to your questions below.

> *Thanks for posting that info up front. I have a few questions...*

>

>

> *1. Is sammys.lajolla your Active Directory domain name or should it have*

> *been sammys.lajolla.com ?*

AD name is Sammys.lajolla (I'm wondering if this counts as a single word AD)

> *2. What is the spelling of the zone name in DNS?*

lrgfs1.sammys.lajolla (this is on the DC)

lrgfs2.sammys.lajolla (on the memberserver i want to promote)

> *3. What is your primary DNS suffix on this machine?*

Sammys.lajolla

> *4. Is Dynamic Updates set to at least "YES" in the zone properties?*

Yes

> *5. Also what do you mean by this statement below?*

> > *2 Dynamic forwarding is enabled*

Sorry about the wording, I meant "Allow Dynamic updates" is set to "yes"

> *6. Can we also see an ipconfig /all?*

Windows 2000 IP Configuration

Host Name . . . . . : lrgfs1

Primary DNS Suffix . . . . . : sammys.lajolla

Node Type . . . . . : Hybrid

IP Routing Enabled. . . . . : No

WINS Proxy Enabled. . . . . : No

DNS Suffix Search List. . . . . : sammys.lajolla

Ethernet adapter Local Area Connection:

Connection-specific DNS Suffix . : sammys.lajolla  
Description . . . . . : HP NC3163 Fast Ethernet NIC  
Physical Address. . . . . : 00-50-8B-F3-75-E1

DHCP Enabled. . . . . : No

IP Address. . . . . : 10.0.0.41

Subnet Mask . . . . . : 255.255.255.0

Default Gateway . . . . . : 10.0.0.1

DNS Servers . . . . . : 10.0.0.41  
Primary WINS Server . . . . . : 10.0.0.41

"Ace Fekay [MVP]"

<PleaseSubstituteMyActualFirstName&LastNameHere@hotmail.com> wrote in message news:u%237%23LcoCEHA.2800@tk2msftngp13.phx.gbl...

> *In news:ugnazhnCEHA.1228@TK2MSFTNGP11.phx.gbl,*  
> *Chris Saia <christophersaia@yahoo.com> posted their thoughts, then I offered*  
> *mine*

>> *I may have posted this message twice by accident. I'm just getting*  
>> *setup on the newsgroups. My problem:*

>>  
>> *I have two Win2K servers. One is the DC and DNS server. The other is*  
>> *simply a member server. I want to promote the memberserver to*  
>> *become a DC. My DNS setup is completely internal with forwarding to*  
>> *our DSL's providers DNS. There is full communication between the DC*  
>> *and the member server. However when I try to run DC promo on the*  
>> *member server I get the error message below.*

>>  
>> *Other notes:*

- >>
- >> *1.AD integrated zones setup on DC*
- >> *2 Dynamic forwarding is enabled*
- >> *3. The DNS on the member server is pointing to the IP of the DC.*
- >> *4. On the DC, I'm missing the four subzones from my forward zone*  
>> *setup. I've tried "ipconfig /registerdns" to get those four subs*  
>> *created but it didn't work*
- >> *5. I've restarted the net logon service several times.*
- >> *6. The Sysvol share exists.*

>>  
>> *Error:*  
>>

> > *"The wizard cannot gain access to the list of domains in the forest.*  
> > *This condition may be caused by a DNS lookup problem. For information*  
> > *about troubleshooting common DNS lookup problems, please see the*  
> > *following Microsoft Web site:*  
> >  
> > *<http://go.microsoft.com/fwlink/?LinkId=5171>. The error is:*  
> >  
> > *The specified domain either does not exist or could not be contacted."*  
> >  
> >  
> >  
>

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> > *I ran netdiag fix on the DC and below is the output.*

> >  
> >  
> > .....  
> >  
> > *Computer Name: LRGFS1*  
> > *DNS Host Name: lrgfs1.sammys.lajolla*  
> > *System info : Windows 2000 Server (Build 2195)*  
> > *Processor : x86 Family 6 Model 8 Stepping 3, GenuineIntel*  
> > *List of installed hotfixes :*  
> > *KB823182*  
> > *KB823559*  
> > *KB824105*  
> > *KB824141*  
> > *KB824146*  
> > *KB825119*  
> > *KB826232*  
> > *KB828028*  
> > *KB828035*  
> > *KB828749*  
> > *KB830352*  
> > *Q147222*  
> >  
> >  
> > *Netcard queries test . . . . . : Passed*  
> >  
> >  
> >  
> > *Per interface results:*  
> >  
> > *Adapter : Local Area Connection*  
> >  
> > *Netcard queries test . . . : Passed*  
> >  
> > *Host Name. . . . . : lrgfs1.sammys.lajolla*  
> > *IP Address . . . . . : 10.0.0.41*  
> > *Subnet Mask. . . . . : 255.255.255.0*  
> > *Default Gateway. . . . . : 10.0.0.1*  
> > *Primary WINS Server. . . . : 10.0.0.41*

```
>> Dns Servers. . . . . : 10.0.0.41
>>
>>
>> AutoConfiguration results. . . . . : Passed
>>
>> Default gateway test . . . : Failed
>> No gateway reachable for this adapter. ( Gateway on DC is
>> IP of firewall (checkpoint) computer. Firewall cpu has two nics,one
>> nic has the IP which is the gateway on all machines in the network)
>> NetBT name test. . . . . : Passed
>>
>> WINS service test. . . . . : Passed
>>
>>
>> Global results:
>>
>>
>> Domain membership test . . . . . : Passed
>>
>>
>> NetBT transports test. . . . . : Passed
>> List of NetBt transports currently configured:
>> NetBT_Tcpip_{2DE3A1AE-9FCB-49C8-B49B-D7F1345DD029}
>> 1 NetBt transport currently configured.
>>
>>
>> Autonet address test . . . . . : Passed
>>
>>
>> IP loopback ping test. . . . . : Passed
>>
>>
>> Default gateway test . . . . . : Failed
>>
>> [FATAL] NO GATEWAYS ARE REACHABLE.
>> You have no connectivity to other network segments.
>> If you configured the IP protocol manually then
>> you need to add at least one valid gateway.
>>
>>
>> NetBT name test. . . . . : Passed
>>
>>
>> Winsock test . . . . . : Passed
>>
>>
>> DNS test . . . . . : Failed
>> [FATAL] Failed to fix: DC DNS entry sammys.lajolla.
>> re-registration on DNS server '10.0.0.41' failed.
>> DNS Error code: DNS_ERROR_RCODE_SERVER_FAILURE
>> [FATAL] Failed to fix: DC DNS entry _ldap._tcp.sammys.lajolla.
```

>> re-registration on DNS server '10.0.0.41' failed.  
>> DNS Error code: DNS\_ERROR\_RCODE\_SERVER\_FAILURE  
>> [FATAL] Failed to fix: DC DNS entry  
>> \_ldap.\_tcp.Default-First-Site-Name.\_sites.sammys.lajolla.  
>> re-registration on DNS server '10.0.0.41' failed.  
>> DNS Error code: DNS\_ERROR\_RCODE\_SERVER\_FAILURE  
>> [FATAL] Failed to fix: DC DNS entry  
>> \_ldap.\_tcp.pdc.\_msdcs.sammys.lajolla. re-registration on DNS server  
>> '10.0.0.41' failed.  
>> DNS Error code: DNS\_ERROR\_RCODE\_SERVER\_FAILURE  
>> [FATAL] Failed to fix: DC DNS entry  
>> \_ldap.\_tcp.gc.\_msdcs.sammys.lajolla. re-registration on DNS server  
>> '10.0.0.41' failed.  
>> DNS Error code: DNS\_ERROR\_RCODE\_SERVER\_FAILURE  
>> [FATAL] Failed to fix: DC DNS entry  
>> \_ldap.\_tcp.Default-First-Site-Name.\_sites.gc.\_msdcs.sammys.lajolla.  
>> re-registration on DNS server '10.0.0.41' failed.  
>> DNS Error code: DNS\_ERROR\_RCODE\_SERVER\_FAILURE  
>> [FATAL] Failed to fix: DC DNS entry  
>>  
>>  
>> \_ldap.\_tcp.b5183208-4ee2-4bc1-9e79-f7c999b983ce.domains.\_msdcs.sammys.lajoll  
>> a.  
>> re-registration on DNS server '10.0.0.41' failed.  
>> DNS Error code: DNS\_ERROR\_RCODE\_SERVER\_FAILURE  
>> [FATAL] Failed to fix: DC DNS entry gc.\_msdcs.sammys.lajolla.  
>> re-registration on DNS server '10.0.0.41' failed.  
>> DNS Error code: DNS\_ERROR\_RCODE\_SERVER\_FAILURE  
>> [FATAL] Failed to fix: DC DNS entry  
>> 226b9309-2184-455e-826e-05202de3ca9c.\_msdcs.sammys.lajolla.  
>> re-registration on DNS server '10.0.0.41' failed.  
>> DNS Error code: DNS\_ERROR\_RCODE\_SERVER\_FAILURE  
>> [FATAL] Failed to fix: DC DNS entry  
>> \_kerberos.\_tcp.dc.\_msdcs.sammys.lajolla. re-registration on DNS  
>> server '10.0.0.41' failed.  
>> DNS Error code: DNS\_ERROR\_RCODE\_SERVER\_FAILURE  
>> [FATAL] Failed to fix: DC DNS entry  
>> \_kerberos.\_tcp.Default-First-Site-Name.\_sites.dc.\_msdcs.sammys.lajolla.  
>> re-registration on DNS server '10.0.0.41' failed.  
>> DNS Error code: DNS\_ERROR\_RCODE\_SERVER\_FAILURE  
>> [FATAL] Failed to fix: DC DNS entry  
>> \_ldap.\_tcp.dc.\_msdcs.sammys.lajolla. re-registration on DNS server  
>> '10.0.0.41' failed.  
>> DNS Error code: DNS\_ERROR\_RCODE\_SERVER\_FAILURE  
>> [FATAL] Failed to fix: DC DNS entry  
>> \_ldap.\_tcp.Default-First-Site-Name.\_sites.dc.\_msdcs.sammys.lajolla.  
>> re-registration on DNS server '10.0.0.41' failed.  
>> DNS Error code: DNS\_ERROR\_RCODE\_SERVER\_FAILURE  
>> [FATAL] Failed to fix: DC DNS entry \_kerberos.\_tcp.sammys.lajolla.  
>> re-registration on DNS server '10.0.0.41' failed.  
>> DNS Error code: DNS\_ERROR\_RCODE\_SERVER\_FAILURE

> > [FATAL] Failed to fix: DC DNS entry  
> > \_kerberos.\_tcp.Default-First-Site-Name.\_sites.sammys.lajolla.  
> > re-registration on DNS server '10.0.0.41' failed.  
> > DNS Error code: DNS\_ERROR\_RCODE\_SERVER\_FAILURE  
> > [FATAL] Failed to fix: DC DNS entry \_gc.\_tcp.sammys.lajolla.  
> > re-registration on DNS server '10.0.0.41' failed.  
> > DNS Error code: DNS\_ERROR\_RCODE\_SERVER\_FAILURE  
> > [FATAL] Failed to fix: DC DNS entry  
> > \_gc.\_tcp.Default-First-Site-Name.\_sites.sammys.lajolla.  
> > re-registration on DNS server '10.0.0.41' failed.  
> > DNS Error code: DNS\_ERROR\_RCODE\_SERVER\_FAILURE  
> > [FATAL] Failed to fix: DC DNS entry \_kerberos.\_udp.sammys.lajolla.  
> > re-registration on DNS server '10.0.0.41' failed.  
> > DNS Error code: DNS\_ERROR\_RCODE\_SERVER\_FAILURE  
> > [FATAL] Failed to fix: DC DNS entry \_kpasswd.\_tcp.sammys.lajolla.  
> > re-registration on DNS server '10.0.0.41' failed.  
> > DNS Error code: DNS\_ERROR\_RCODE\_SERVER\_FAILURE  
> > [FATAL] Failed to fix: DC DNS entry \_kpasswd.\_udp.sammys.lajolla.  
> > re-registration on DNS server '10.0.0.41' failed.  
> > DNS Error code: DNS\_ERROR\_RCODE\_SERVER\_FAILURE  
> > [FATAL] Fix Failed: netdiag failed to re-register missing DNS  
> > entries for this DC on DNS server '10.0.0.41'.  
> > [FATAL] No DNS servers have the DNS records for this DC  
> > registered.  
> >  
> >  
> > Redir and Browser test . . . . . : Passed  
> > List of NetBt transports currently bound to the Redir  
> > NetBT\_Tcpip\_{2DE3A1AE-9FCB-49C8-B49B-D7F1345DD029}  
> > The redir is bound to 1 NetBt transport.  
> >  
> > List of NetBt transports currently bound to the browser  
> > NetBT\_Tcpip\_{2DE3A1AE-9FCB-49C8-B49B-D7F1345DD029}  
> > The browser is bound to 1 NetBt transport.  
> >  
> >  
> > DC discovery test. . . . . : Passed  
> >  
> >  
> > DC list test . . . . . : Passed  
> >  
> >  
> > Trust relationship test. . . . . : Skipped  
> >  
> >  
> > Kerberos test. . . . . : Passed  
> >  
> >  
> > LDAP test. . . . . : Passed  
> >  
> >

> > *Bindings test . . . . . : Passed*  
> >  
> >  
> > *WAN configuration test . . . . . : Skipped*  
> > *No active remote access connections.*  
> >  
> >  
> > *Modem diagnostics test . . . . . : Passed*  
> >  
> > *IP Security test . . . . . : Passed*  
> > *IPSec policy service is active, but no policy is assigned.*  
> >  
> >  
> > *The command completed successfully*  
> >  
> > *Thank You!*  
>  
>  
> *Thanks for posting that info up front. I have a few questions...*  
>  
>  
> *1. Is sammys.lajolla your Active Directory domain name or should it have  
> been sammys.lajolla.com ?*  
>  
> *2. What is the spelling of the zone name in DNS?*  
>  
> *3. What is your primary DNS suffix on this machine?*  
>  
> *4. Is Dynamic Updates set to at least "YES" in the zone properties?*  
>  
> *5. Also what do you mean by this statement below?*  
> > *2 Dynamic forwarding is enabled*  
>  
> *6. Can we also see an ipconfig /all?*  
>  
> *Thanks!*  
>  
>  
> --  
> *Regards,*  
> *Ace*  
>  
> *Please direct all replies to the newsgroup so all can benefit.*  
> *This posting is provided "AS-IS" with no warranties and confers no  
> rights.*  
>  
> *Ace Fekay, MCSE 2000, MCSE+I, MCSA, MCT, MVP*  
> *Microsoft Windows MVP – Active Directory*  
> --  
> =====  
>

microsoft.public.win2000.dns: Re: DC Promo / DNS

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