

# Re: ad and dns setup

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*Source:*

[http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.active\\_directory/2007-08/msg01110](http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.active_directory/2007-08/msg01110)

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- *From:* PDIDY <[PDIDY@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:PDIDY@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Thu, 23 Aug 2007 10:02:03 -0700
- 

In the root domain (DC01):

- Point each DC to Dc01, clear cache in both DCs, delete everything inside \_msdcs, forward zone, reverse lookup zone.

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When I look to delete everything from these zones there are a couple of NS entries I cannot delete, should I leave them there with the correct IP address?

"Jorge Silva" wrote:

Ok.

To fully rebuild DNS:

- For each domain all DCs should point to the same DC/DNS then you can perform the changes only in one DC and replicate the changes to the other DC.
- Each time you delete/create something in DNS you should replicate the changes immediately to all servers, this helps to speedup the process.
- Note that in the end EACH child domain should be able to solve each existing DNS domain, the same applies to the root domain. You can use conditional forwarding, forwarding, secondary zones, etc... choose what best suits for your scenario
- In the root domain you need extra cautions because you have the \_msdcs zone that is used by servers and clients for many different things including replication. Make sure that the \_msdcs zone exists and the scope is set to forest wide (don't need to be this way but in my opinion you should have it like that, of course this depends of your existing scenario).
- The root domain should have have delegations created for each child domain and for the \_msdcs zone (this is not automatically created you must do it manually after deletion).

Basic steps:

Check Sites configuration make sure it's correct.

In the root domain (DC01):

- Point each DC to Dc01, clear cache in both DCs, delete everything inside \_msdcs, forward zone, reverse lookup zone.

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- Replicate changes.
- Create the delegation for each child domain and \_msdcs zone.
- Delete the files netlogon.dnb and netlogon.dns from %systemroot%\system32\config.
- Run From cmd  
ipconfig /registerdns (on both DCs)
- Restart the netlogon service and confirm the creation of the netlogon.dnb and netlogon.dns Files in System32.
- Run from cmd
- netdiag /fix (on both DCs)
- Replicate changes.

In the Child domain(s):

same thing except for \_msdcs zone and zone delegation(s) (assuming that you don't have child domains for these child domains).

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I hope that the information above helps you.  
Have a Nice day.

Jorge Silva

MCSE, MVP Directory Services

"PDIDY" <PDIDY@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message  
[news:565E325A-92C0-4A05-BBF7-DC1B5C15D9ED@xxxxxxxxxxxxxxxxxxxx](mailto:news:565E325A-92C0-4A05-BBF7-DC1B5C15D9ED@xxxxxxxxxxxxxxxxxxxx)

Parent Child config.

2 Dcs per domain for a total of 6 Dcs

"Jorge Silva" wrote:

Is this a parent child configuration or 2 tree root domains?  
How many DCs for each domain?

--

I hope that the information above helps you.  
Have a Nice day.

Jorge Silva

MCSE, MVP Directory Services

"PDIDY" <PDIDY@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote  
in message  
[news:96DA105E-2A5B-49D7-907B-DADB70ABDDAE@xxxxxxxxxxxxxxxxxxxx](mailto:news:96DA105E-2A5B-49D7-907B-DADB70ABDDAE@xxxxxxxxxxxxxxxxxxxx)

before i start this just a couple of things:  
I have 6 dcs and all have dns, so I do this on

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each server or only 1 in  
each  
domain, since it is ad intergrated, and once i  
create the sites in ad  
sites  
and services should i delete the old ones as it  
might conflict with the  
new  
ones..and one more thing if i need to do this  
on all the servers it it  
better  
to change the config on all servers first and  
then reboot 1 at a time  
or  
do  
the root first followed by the children

"Jorge Silva" wrote:

- Make sure that DNS service is installed.
- Make sure that the DC1 points to itself on Preferred DNS NIC properties.
- Make Sure that you've DNS Zone for your domain and the \_msdcs zone created, and these zones should be ADI (Active Directory Integrated), and allow Secure updates (better from security prespective).
- Make sure that AD Sites and Services have the correct subnet(s) assigned.
- Mark Server as GCs in Active Directory Sites and Services.
  
- Delete everything INSIDE the \_msdcs zone and forward lookupZone for your domain.
- Delete the files netlogon.dnb and netlogon.dns from

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%systemroot%\system32\config.

- Run From cmd  
ipconfig /registerdns
- Restart the netlogon service and confirm the creation of the netlogon.dnb and netlogon.dns Files in System32.
- Run from cmd  
netdiag /fix
- Confirm the creation of the records on DNS server.
- You can do a reboot check evrything Ok (1 at the time).

-Run dcdiag and netdiag.

--

I hope that the information above helps you.  
Have a Nice day.

Jorge Silva  
MCSE, MVP Directory Services  
"PDIDY"  
<PDIDY@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

wrote in message  
[news:5F241E62-7A3C-4FBC-A7B9-93460F5BEF8A@xxxxxxxxxxxxxxxxxxxx](mailto:news:5F241E62-7A3C-4FBC-A7B9-93460F5BEF8A@xxxxxxxxxxxxxxxxxxxx)

Jorge,

Sorry for the little information. I took an exsiting functioning AD strcuture from VMWare and copied it over. So there was no need to seize any

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of the  
roles,even  
though  
server 1 in  
a.com has  
all the roles.  
All I want  
to do is  
change  
networks  
and bring  
the test env.  
back up  
with  
new  
IP  
address..The  
only things  
killing me  
is DNS..:(

Thanks,

Paul

"Jorge  
Silva"  
wrote:

Hi  
(assuming  
that  
your  
test  
server  
is  
NOT  
going  
to  
be  
connected  
again  
to  
the  
production  
environment)  
Can  
you  
explain  
how

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did  
you  
removed  
the  
setup  
from  
a  
different  
network?  
Did  
you  
removed  
references  
to  
existing  
DCs  
in  
the  
Real  
environment?  
Did  
you  
Seize  
the  
roles?  
Did  
you  
run  
dcdiag  
and  
netdiag  
after  
that?

--  
I  
hope  
that  
the  
information  
above  
helps  
you.  
Have  
a  
Nice  
day.

Jorge

Re: ad and dns setup

Silva  
MCSE,  
MVP  
Directory  
Services  
"PDIDY"

<PDIDY@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>

wrote

in

message

news:13E0327D-A09A-4EEA-8530-07B9472417D4@xxx

okay  
here  
is  
my  
setup.....

I  
have  
a  
test  
env.  
with  
forest  
a.com  
and  
2  
domains  
within,  
b.a.com  
and  
c.a.com.(all  
win2003)

I  
have  
pulled  
this  
setup  
from  
a  
different  
network  
and  
want  
to  
configure  
it  
on  
a  
different

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network.

I

have

three

ad

sites

and

all

the

ou's

and

gpo's

are

setup.

I

am

not

worried

about

names

conflicting

as

this

will

be

on

an

isolated

network

but

would

like

to

keep

all

the

ad

stuff

intact.

I

tried

to

change

the

ip

setup

on

all

these

servers

and

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restarted  
dns  
and  
the  
netlogon  
service.  
i  
did  
a  
dnsflush  
and  
dns  
register  
and  
i  
am  
still  
not  
able  
to  
have  
dns  
work  
correctly.  
all  
the  
dcs(6  
in  
all,  
are  
dns  
servers  
and  
there  
are  
2  
servers  
per  
site)...i  
am  
getting  
alot  
of  
kdc  
errors  
and  
frs  
errors  
as  
well  
as

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nslookup  
doesn't  
come  
back  
with  
the  
right  
server.  
my  
question  
besides  
what  
am  
i  
missing  
is,  
do  
i  
need  
to  
change  
the  
ns  
in  
dns  
on  
all  
machines,  
and  
should  
i  
get  
rid  
of  
all  
old  
ips  
in  
dns  
and  
replace  
with  
new  
ones...also  
i  
created  
new  
ad  
sites  
with  
the

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new  
ip  
addresses  
and  
assigned  
servers  
to  
those  
sites  
and  
deleted  
the  
old  
ones..  
i  
rebooted  
one  
of  
the  
a.com  
servers  
and  
now  
i  
can't  
even  
log  
in...i  
guess  
my  
question  
is  
when  
changing  
over  
to  
a  
new  
network  
with  
an  
existing  
ad  
and  
dns,  
how  
can  
i  
achive  
no  
pain

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in  
doing  
this?