

# Re: Domain Controller takes a long time to boot up

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*Source:*

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.networking/2008-04/msg00410.html>

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- *From:* "C C" <someone@xxxxxxxxxxxxxxxxxx>
  - *Date:* Mon, 21 Apr 2008 13:07:34 -0500
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Thanks for your reply. I have attached the ipconfig of both DC's below.

Please note that the computer room was totally shutdown, which means that at powerup, no other DC/DNS is available. Both were booting up!

Another user posted his reply with the following links:

<http://support.microsoft.com/kb/945765/en-us>

<http://support.microsoft.com/kb/825036/en-us>

IPCONFIG output: Note that the default gateway is our ISA Server which is still down at the time the DC's are booting up.

===== DC1 IPCONFIG =====

Windows IP Configuration

Host Name . . . . . : MCDC1  
Primary Dns Suffix . . . . . : mc.local  
Node Type . . . . . : Hybrid  
IP Routing Enabled. . . . . : No  
WINS Proxy Enabled. . . . . : No  
DNS Suffix Search List. . . . . : mc.local  
ecommc.local

Ethernet adapter LAN:

Connection-specific DNS Suffix . : mc.local  
Description . . . . . : Intel(R) PRO/1000 MT Network  
Connection  
Physical Address. . . . . : xx-xx-xx-xx-xx-xx  
DHCP Enabled. . . . . : No  
IP Address. . . . . : 192.168.0.14  
Subnet Mask . . . . . : 255.255.255.0  
Default Gateway . . . . . : 192.168.0.3  
DNS Servers . . . . . : 192.168.0.14  
192.168.0.12  
Primary WINS Server . . . . . : 192.168.0.14  
Secondary WINS Server . . . . . : 192.168.0.12

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=====DC2 IPCONFIG: =====

Windows IP Configuration

Host Name . . . . . : MCD2  
Primary Dns Suffix . . . . . : mc.local  
Node Type . . . . . : Hybrid  
IP Routing Enabled. . . . . : No  
WINS Proxy Enabled. . . . . : No  
DNS Suffix Search List. . . . . : mc.local

Ethernet adapter Private Lan:

Connection-specific DNS Suffix . : mc.local  
Description . . . . . : Broadcom NetXtreme Gigabit Ethernet  
Physical Address. . . . . : xx-xx-xx-xx-xx-xx  
DHCP Enabled. . . . . : No  
IP Address. . . . . : 192.168.0.12  
Subnet Mask . . . . . : 255.255.255.0  
Default Gateway . . . . . : 192.168.0.3  
DNS Servers . . . . . : 192.168.0.12  
192.168.0.14  
Primary WINS Server . . . . . : 192.168.0.12  
Secondary WINS Server . . . . . : 192.168.0.14

"Ace Fekay [MVP]" <PleaseAskMe@xxxxxxxxxxxxxxxx> wrote in message  
[news:OzZSLPqoIHA.4492@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:OzZSLPqoIHA.4492@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

In [news:%23tKO24WoIHA.1768@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:%23tKO24WoIHA.1768@xxxxxxxxxxxxxxxxxxxxxxxxxxxx),  
C C <someone@xxxxxxxxxxxxxxxx> typed:

Hello.

We had to shutdown servers in our computer room last night due to high temp. The AC condenser froze.

After the AC was back to normal, I started the DC's first. DC1 took a long time to boot up. It stayed long on the "Preparing network connections" then on the next one I couldn't remember. So I started up the DC2. That took a long time to boot up too.

What do I need to know to speed up the bootup of Domain Controllers with Active Directory?

Thanks in advance.

DNS can have alot to do with it, but can't say for sure without knowing your config. What DNS servers are configured in the DC's IP properties?

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If you have one of the replica DCs in the Site as the first entry and itself as the second entry, I can see why when booting both DCs up at the same time they can't find their DNS server, even if it is itself, because it goes through the DNS resolver resolution process time-out before it goes to the second one to find the DC, which even if itself.

If you have itself listed first, then a replica DC in the same subnet as it's second one it will boot quicker.

If you have your ISP's listed in the config, it will be problematic because the cardinal rule is to not use your ISP anywhere other than a forwarder.

If you can post an unedited ipconfig /all of both DCs, it will be extremely helpful towards a diagnosis.

Thanks,

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Regards,  
Ace

This posting is provided "AS-IS" with no warranties or guarantees and confers no rights.

Ace Fekay, MCSE 2003 & 2000, MCSA 2003 & 2000, MCSE+I, MCT,  
MVP Microsoft MVP – Directory Services  
Microsoft Certified Trainer

For urgent issues, you may want to contact Microsoft PSS directly. Please check <http://support.microsoft.com> for regional support phone numbers.

Infinite Diversities in Infinite Combinations