

# Re: Multi homed DC

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[http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.active\\_directory/2008-01/msg01023](http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.active_directory/2008-01/msg01023)

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- *From:* "Ace Fekay [MVP]" <PleaseAskMe@xxxxxxxxxxxxxxxx>
  - *Date:* Tue, 22 Jan 2008 00:53:56 -0500
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In [news:69729d41-9c83-47f8-ab8c-6f22745cb727@xx](mailto:news:69729d41-9c83-47f8-ab8c-6f22745cb727@xx), Thomas <familienkragh@xxxxxxxx> typed:

Yeah I read all the warnings after I tried this.. Now I suffer the damage from it, and is trying to reverse what happened :( Has a second network adapter really caused irreversible damage to the domain controllers?

Not irreversible. However as Jorge said, it's usually problematic. Why is it multihomed? Is it a router offering NAT or just connected to two networks?

If connected to two networks, I would suggest to pick one of the networks and jsut use that one, as you had been doing, and let the routers route the traffic. If the NICs are the same models and teamable (depends on manufacturer, their software and model #) , I would suggest to team the NICs.

If it was being used as a router, I would suggest to get a Linksys or better yet, a Cisco PIX to offer internet services and secured and firewalled NAT.

As far as the duplicate name that is possibly happening with NetBIOS or browser errors, the DC that holds the PDC Emulator FSMO role will be the machine that become the master browser. In your case, I assume it to be the machine that you are referring to as tehe "PDC." I would suggest to check: WINS for duplicate names (if using WINS). If you find it, delete the offending IP.

Run:

nbtstat -c (see what is in the netbios cache). If it shows two scopes, I would make sure the other NIC is disabled.  
nbtstat -R (clears the cache - which I suggest).

If using WINS for DNS resolution (a setting in the zone properties in DNS), I would find the duplicate name and IP and delete the offending one. I would do this anyway even if not using WINS.

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Also look for the "(same as parent) duplicate IP address and delete that entry.

As well also look in \_msdcs.gc folder. Delete the offending entry if in there as well.

Note: The terms PDC and BDC are legacy NT4 terminology that do not apply to AD domain controllers. AD DCs are 'replicas' and each offer different services for the domain, one of