

Re: coming from NT

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noobtech wrote:

- > *I Don't want to beat this to death but I'm truly confused with DNS*
- > *and it's role in a domain. I'd take some classes but unfortunately at*
- > *this point that is not an option. I've brought a few books but they*
- > *don't cover what I'm not understanding*
- >
- > *if I had a basic router that could do NAT/DHCP (like a Linksys or*
- > *Netgear) then all my clients on my (non domain) LAN would be pointing*
- > *to the router as its default gateway. I have done this before easily*
- > *in a small office where we had 5 computers that just needed internet*
- > *access. In such cases all computers nic's would be pointing to the*
- > *router as the default gateway. It's pretty much point A to point B.*
- >
- > *In a domain situation it's different.*

No it isn't.

- > *Client's in a domain are not*
- > *directly directed to the Lan router.*

- > *Under NT they were directed to*
- > *the domain controller. And from there it would go to the Router.*

Only if you were using the NT server as a router – were you running a proxy server on the NT box?

- >
- > *In windows 2xxx when DNS is on a member server and not on the Domain*
- > *controller. Who do the clients point to as their default gateway, DNS*
- > *or Domain controller?*

You need AD-integrated DNS to run AD properly.

Clients and servers all point to the IP address of whatever "device" connects them to the Internet. Either your router/firewall as you mentioned (and if you don't have one, get one – why turn a DC into a router?) or your server if you're multihomed and going that route, ISA, whatnot.

DNS and the domain config has absolutely nothing to do with this. :-)

- > *Who does the DNS server point to as it's*
- > *default gateway? If it's not the router but the DC why? Who does the*
- > *Domain controller point to as it's default gateway? if it's not DNS*
- > *but the router, why?*

Again – all computers – servers & workstations alike – have to point to whatever IP gives them Internet access.

- >
- > *based on what I know so far:*
- > *I see a purpose for DNS server to have the lan router as it's default*
- > *gateway but I don't see the purpose of having the Domain controller*
- > *use the lan router as it's default gateway.*

Why not?

- > *Nor do i see a purpose in*
- > *having the clients use the Domain controller as its default gateway.*

Well, they can't, unless you're using it as a router to get them to the Internet.

Get a router/firewall and point all clients & servers at its internal IP as default gateway. For DNS, again, make sure that all servers and workstations specify **only** the internal AD-integrated DNS server's IP address in their network settings. The AD-integrated DNS server should be set up with forwarders to your ISP's DNS servers for external resolution. See <http://support.microsoft.com/default.aspx?scid=kb;en-us;300202> for more info.