

Re: Moved DHCP server to DC, now only works for domain users

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.networking/2008-08/msg00136.html>

- *From:* "robert.waters" <robert.waters@xxxxxxxxxx>
 - *Date:* Mon, 11 Aug 2008 15:44:26 -0700 (PDT)
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On Aug 11, 11:39 am, "Phillip Windell" <philwind...@xxxxxxxxxxxxx> wrote:

DHCP is anonymous,..it does not care about users.
Machines get an IP Config before the user can even login in the first place,...therefore it is impossible to wait until the user has logged in before they get the config,...the IP Config must come first,..then the login.

Machines always go to the same DHCP they got the last successful Config
Machines always ask for the same IP# they got last time.
If a machine got a Config from the Linksys box then it will keep trying the Linksys box the next time. Since the linksys box is still "alive" it will try the Linksys box even of the Linksys DHCP Service is disabled.

You're screwing yourself by even allowing the Linksys box to have the DHCP enabled at all in the first place.

Delete and re-create the Scope. *Keep it simple*. Configure only the basics (IP, mask, DNS, DFG) at first until it works right. Don't get "creative" until everything works dependably. Do not enable the Scope until the Linksys DHCP is disabled. Make sure your scope is activated and the DHCP is authorized. You may want the Scopes to be inactive and the DHCP Server to be un-authorized until the Linksys box has the DHCP Disabled.

—
Phillip Windell www.wandtv.com

The views expressed, are my own and not those of my employer, or Microsoft, or anyone else associated with me, including my cats.

"robert.waters" <robert.wat...@xxxxxxxxxxxxx> wrote in message

news:78945182-708a-4435-8239-9bc40648caf2@xx

Re: Moved DHCP server to DC, now only works for domain users

I have just moved the DHCP server role from a domain member server (which is being decommissioned) to the domain controller. It will now only provide IP addresses to machines which are logged in to the domain (domain user accounts).

Previously, it was no problem for the old DHCP server to provide addresses to any machine that appeared in the network. This was good/required behavior, because many of our machines are journeyman laptops or linux workstations.

I have done a few hours of research on the subject, and most results point to a problem for non-authenticated users not being able to interact with DNS properly/securely. I have enabled insecure dynamic updates on the DNS server, provided a dns domain name via DHCP option 015 (which was not present on the old server, btw), and made several more changes (that I cannot remember right now) that might have helped, but did not.

Please, can anyone help me with this problem? I currently have an old linksys NAT box providing IPs to everyone, and while that is a solution, it's not an incredibly robust one.

Thank you in advance,
Robert Waters

The linksys box was not in the network until I had the problems; it was a last-ditch solution implemented only when I could not get the new DHCP server working for non-domain PCs.

The DHCP server worked perfectly on a domain member server, but when moved to the domain controller (using the same configuration with respect to DNS servers, gateway, WINS etc.) it would only grant IP addresses to machines (users) authenticated to the domain. e.g. log into PC with a local (non-domain) user account, no IP assigned; re-login using a domain account, the IP is provided.

It seems that since I moved the role to the DC, it will only allow authenticated users to get IP addresses.

Thanks for your help.

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