

# Re: Domain authentication problem

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*Source:*

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.networking/2008-01/msg00155.html>

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- *From:* "Ace Fekay [MVP]" <PleaseAskMe@xxxxxxxxxxxxxxx>
  - *Date:* Tue, 8 Jan 2008 23:27:40 -0500
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In [news:0D97EF2A-EA35-47C4-8D3C-4BB6186C1DD6@xxxxxxxxxxxxxxx](mailto:news:0D97EF2A-EA35-47C4-8D3C-4BB6186C1DD6@xxxxxxxxxxxxxxx),  
Newell White <NewellWhite@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx> typed:

Comments in-line

In [news:C26B0389-F699-4993-AC21-D051820B31D2@xxxxxxxxxxxxxxx](mailto:news:C26B0389-F699-4993-AC21-D051820B31D2@xxxxxxxxxxxxxxx),  
Newell White <NewellWhite@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx> typed:

OK I guess that restarting DHCP service restored the default configuration of Dynamic DNS, hence updates now enabled.  
My brain  
not at full speed 8a.m. (UK time) on Monday morning!

So I will monitor memory usage of tcpsvcs.exe to see if MS have  
fixed this bug, or to free up the memory as recommended in kb/939928 when required.

Ok, so you followed the article's instructions to retrieve and install the hotfix? If so, there's no need to disable DHCP's ability to automatically perform updates for clients. Curious, what symptoms did you observed to believe you needed this hotfix? So far I've handled a large client base and have not ever had a problem or seen this issue. Maybe you can elaborate so I can understand.

No, as an ex-software author and supplier I am not a fan of hot fixes from either side of the counter.  
I followed the work-around.

Problem appeared a few months after I introduced about 16 reservations into our scope.  
So that these could be duplicated on both DHCP servers I allocated IP addresses in an excluded interval.  
3-4 weeks after server re-start (updates from MS) I got some warnings in server event viewer that it was having to increase the size of

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pagefile.sys. Investigation showed tcpsvcs.exe was using 290Mbyte RAM (1G installed) and 3x as much virtual memory. A deeper look showed same thing had happened the month before, cured by server restart.

Also, you mentioned this earlier:

/begin quote:

Somethimes when I ping some machine, the IP isnt returned.  
So I  
cant reach those machines.

<snip>

9. Forwarder(s) configured?

Ace

I am not OP, I joined thread when you said to OP it was important that DHCP server does Dynamic DNS updates – I was not aware then that restarting DHCP server (apparently) restores this as default after I turned it off.

I was interested in why that is important when most LANs now only have modern Windows versions where clients can register their own IP address with DNS.

Oops, sorry. I thought you were the OP under a different name. It happens alot. Some will post under one account or thru the web, then later again and use a different name or account.

As for the hotfixes, they are a necessary evil to fix things that are broke, such as in your case. Matter of fact, the hotfixes get rolled up in future service packs. Microsoft recognized a problem with a service and provided a fix. I would rather install the hotfix as well as have DHCP register my clients, IMHO, so I would have chosen the hotfix for these two reasons.

The DNS Update capabilities of a DHCP server is actually DHCP Option 081, which Microsoft supports this part of the DHCP RFC. Routers do not.

If DHCP registers the client, DHCP owns the record and will change the record for the client. The default setting is to register if the client requests.

Here's a good read on it. Also pay attention to the part about the DNSUpdateProxy group.

317590 – HOW TO Configure DNS Dynamic Update in Windows 2000 [DNS reg–dereg

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and DNSUpdateProxy Group]:

<http://support.microsoft.com/default.aspx?scid=kb;en-us;317590&Product=win2000#51>

Ace