

Re: DNS not updating

Source:

http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.active_directory/2007-02/msg00153

- *From:* Rob Campbell <poohba@xxxxxxxxxxxxxxxxxxxx>
 - *Date:* Thu, 1 Feb 2007 20:03:51 -0500
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DHCP does have a reverse lookup zone and dns does allow dynamic dns but it is secure only. The machine that has the problem is a machine that is joined to the domain so why would this happen?

On Thu, 1 Feb 2007, Jorge Silva wrote:

Hi

Check, DHCP, If Reverse lookup Zone is created, if DNS allows Dynamic DNS, if that machine is member of the domain, if not and DNS only allows secure updates, than the error is expected.

Also

<http://www.eventid.net/display.asp?eventid=11163&eventno=1779&source=DnsApi&phase=1>

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I hope that the information above helps you.

Have a Nice day.

Jorge Silva

MCSE

<poohba@xxxxxxxxxxxxxxxxxxxx> wrote in message
<news:Pine.LNX.4.64.0702011244280.32540@xxxxxxxxxxxxxxxxxxxx>

Dynamic update was set to secure. Now I need to know what happens if something is wrong with the security. What would be an "insecure" action? Temporarily going to change it to any and see if that has any effect. Error in event log of one of the machines with problem:

Event Type: Warning

Event Source: DnsApi

Event Category: None

Event ID: 11163

Date: 2/1/2007

Time: 8:53:57 AM

User: N/A

Computer: BED-ECOX-LT

Description:

The system failed to register host (A) resource records (RRs) for network

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adapter
with settings:

Adapter Name : {D4831D98-7F2F-4BE0-BE27-72A39CDAxxxx}
Host Name : BED-ECOX-LT
Primary Domain Suffix : skynet.com
DNS server list :
172.20.65.20, 172.20.64.12
Sent update to server : 172.1.1.1
IP Address(es) :
172.20.67.89

The reason the system could not register these RRs was because the DNS server failed the update request. The most likely cause of this is that the authoritative DNS server required to process this update request has a lock in place on the zone, probably because a zone transfer is in progress.

You can manually retry DNS registration of the network adapter and its settings by typing "ipconfig /registerdns" at the command prompt. If problems still persist, contact your DNS server or network systems administrator.

On Thu, 1 Feb 2007, Herb Martin wrote:
For more information, see Help and Support Center at
<http://go.microsoft.com/fwlink/events.asp>.

Data:
0000: 2d 23 00 00 -#..

#####

Sent update to server: 172.1.1.1 does not exist. Not sure where this info is coming from.

<poohba@xxxxxxxxxxxxxxxxxxxx> wrote in message
news:Pine.LNX.4.64.0702011030090.32540@xxxxxxxxxxxxxxxxxxxx

When a user goes home and logs on via VPN they are assigned a ip of course. When they come back into the office they get a different ip of course but usually the one they had last time they were in the office depending on how long ago that was.

Why? Machines don't typically need the old IP.

Use Dynamic DNS to get them registered in DNS with current IP.

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The problem is that the name cannot be resolved. ping resolves to the ip they had while on the VPN and the DNS record has the vpn ip address but DHCP has the correct ip address.

Why is DNS not updating and how do I make it update and/or should I be looking somewhere else?

Do the machines have their CORRECT DNS name in the Primary DNS Suffix in SYSTEM Control Panel?

Are the machines or the DHCP server expected to register these stations?

DHCP server should also configure the scope with DNS name and be set to do the registration if you wish it to handle this.

Would a login script that does ipconfig /flushdns

Irrelevant since that is about the cache.

ipconfig /registerdns nbtstat -RR do the trick?

Probably not if the machines are already registering themselves.

MAYBE so if the machines are not being restarted, but in that case the users are probably not logging on either. (Just sleep/wake machine.)

Do I need to go through all of that or is there a setting in DNS that I need to fix?

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Check the DNS server is allowing ANY dynamic updates.
Check that
some machines can register.

If this is the case then likely the problem is with a (BASIC)
DNS problem
(not the dynamic stuff per se) that is actually preventing
domain
authentication,
or some firewall/router issue, or time sync. Something
preventing
authentication
of the workstations. (Again, DHCP dynamic registration
might get around
this
but such problems need to be fixed too.)

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Herb Martin, MCSE, MVP
<http://www.LearnQuick.Com>
(phone on web site)