

microsoft.public.windows.server.dns: Re: Round Robin DNS behaving strangely.

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Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.dns/2004-05/0462.html>

From: William Stacey [MVP] (staceywREMOVE_at_mvps.org)

Date: 05/25/04

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Did you check the netmask ordering on the dns server advanced tab? Is that on or off?

BTW - /displaydns will only show what is in the local client cache - so you will not see round robin behavior. Utils like ping use the local cache, so you will not get ping to round-robin either as the cache will return the records in the same order it got the first time - caching effects RoundRobin this way (i.e. disables it from a client perspective until the local resolver makes another request when TTL times out.) Best way to test RR behavior is dig or nslookup as they do not use local cache. As you said nslookup does not show the records going round, yet other clients do, I have to assume you have NetMask ordering on at the DNS server. w2k dns has *no logic to RR based on user name, nor does it have config options for it. Lets see dnscmd /info on the dns server please.

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William Stacey, MVP

"Lonnie Paschall" <lpaschall@connectionsacademy.com> wrote in message news:OD1zWamQEHA.1644@TK2MSFTNGP09.phx.gbl...

> I did use nslookup as well. The server consistently hands out the IP's to
> the same machine in the same order. Again, if I goto another machine the
> order is switched. I verify this by using ipconfig /displaydns, ping, and
> nslookup.

>

> Lonnie

> "William Stacey [MVP]" <staceywREMOVE@mvps.org> wrote in message

> news:%23dZwu0iQEHA.904@TK2MSFTNGP12.phx.gbl...

> > Does not RoundRobin based on user name. Try using nslookup and/or dig
to

> > make directed queries. nslookup and dig do not use the dns client
> resolver,

> > so you can cross that off the list when using them. If RR is on at the
> > server, you should see records go around. Also make sure netmask
ordering

> > is not checked on. Please post your dig output if still having issues.

> >

> > --

> > William Stacey, MVP

> >

> > "Lonnie Paschall" <lpaschall@connectionsacademy.com> wrote in message

> > news:#gOgGfaQEHA.2404@TK2MSFTNGP12.phx.gbl...

> > > I have setup our Windows 2000 DNS server to load balance using Round
> Robin

> > > all requests for a specific host to two different web servers. During

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> > > testing I noticed some strange issues and am not sure if this behavior
> is
> > by
> > > design. For example, when I ping the host from my laptop I get the
first
> > > address. I can then go to another machine and ping the same host and I
> get
> > > the other address, etc..But if clear my dns cache (ipconfig
/flsuhdns),
> I
> > > still get the same IP. In addition if I log onto the another
workstation
> > and
> > > alternate requests for the host, I get the same IP on both machines
that
> I
> > > am logged into using the same username. It is like the DNS server is
> > handing
> > > out the IP's in the same order based on my username. Now it is handing
> > both
> > > IP's out, and it is alternating but again it seems to be referencing
my
> > > username and even after I flush my cache I consistently get the IP's
in
> > the
> > > same order.
> > >
> > > Any thoughts?
> > >
> > > Thanks,
> > >
> > > Lonnie
> > >
> > >
> >
>
>
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