

Re: Domain Controller and Login

Source:

http://www.tech-archive.net/Archive/Win2000/microsoft.public.win2000.active_directory/2004-09/0788.html

From: Cary Shultz [A.D. MVP] (cwshultz_at_mvps.org)

Date: 09/10/04

Date: Fri, 10 Sep 2004 10:15:09 -0400

Paul,

Good link. But this is a difficult subject to grasp for a lot of people.

I will expound upon this a bit more – if you do not mind.

Out of the box all Windows 2000 Domain Controllers have a weight of [0] and a priority of [100]. All clients are supposed to authenticate against the Domain Controller with the lowest weight (and there are no negative numbers, so [0] is pretty much as low as it is going to get!!!). Should there be multiple Domain Controllers that have the same weight (in this example, [0]) then the value in the priority 'section' comes into play. The higher the number, the better (or, better said, the more likely that this DC will respond).

In the case of two Domain Controllers having the same weight (again, [0] in this example) and the same priority ([100] by default) a situation is created whereby both Domain Controllers will authenticate about 50% of the client requests for authentication. However, if we change the priority so that DC01 has a priority of [80] and so that DC02 has a priority of [20] then you know that DC01 is going to respond to about 4x as many requests for authentication than DC02.

So, if this is what he wants (a situation in which DC01 responds to 4x as many authentication requests than DC02) this would be the answer.

However, if sounds like he might want to pick and choose his DC (meaning, one DC does it all). In this case he would need to change the weight of the other DCs to something higher than his DC. So, [1] is just as good as [100] in this case. So, does this mean that 'his DC' is going to be the only DC that will respond to authentication requests? No! If 'his DC' is busy (meaning that it does not respond within 100 ms) then the DC(s) with the next lowest weight will come into play. So, maybe [1] is not just as good as [100]! That depends on what he wants.

I generally stay away from playing with this and keep it at the defaults. But, if you have a dog DC that seems to be overworked with these

authentication requests and the logons are taking a bit too long (and there are absolutely no DNS or other issues contributing to the long logon) then you might want to make that new Dual Xeon 3.06GHz with 2GB of RAM and super fast Hard Drives and the 10/100/1000 NIC handle more of the load!

HTH,

Cary

"ptwilliams" <ptw2001@hotmail.com> wrote in message
news:eDVLVJelEHA.3988@tk2msftngp13.phx.gbl...

> *Yes, sort of. Through weighting the SRV records.*

> -- <http://support.microsoft.com/?id=306602>

>

>

>

> --

>

> *Paul Williams*

>

> <http://www.msresource.net>

>

>

> *Join us in our new forums!*

> <http://forums.msresource.net>

>

>

>

> "NT" <anonymous@discussions.microsoft.com> wrote in message

> news:84f501c495d0\$251bc690\$a501280a@phx.gbl...

> *We have two DC and several file servers.*

> *I am wondering is there a way to specify which DC I want*

> *to connect.*

>

> *Thanks.*

>

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