

Re: Need help with Multiple DHCP Scopes

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- *From:* Tom <Tom@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Sat, 19 Jul 2008 05:25:00 -0700
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Answers in line.

"Bill Grant" wrote:

Tom,

I can see why Bob doesn't understand the situation. I don't and I doubt that you do either.

You do not have too many machines for one DHCP server to handle. It can handle thousands of machines in multiple scopes without any trouble. It can also handle multiple networks which are linked by routers as long as the routers can handle DHCP relay.

Your problem seems to be more of a routing problem than a DHCP problem. Where are these two networks located? How are they linked together?

They are located in separate buildings a few blocks apart and are connected by a dedicated T1 line with ethernet convertor boxes on each end. I'm currently connected directly from a switch in one network to a switch in the other.

Are you trying to tell us that you have two segments which are linked by one of the servers? If that is the case you can simply run two scopes on the W2008 server and enable DHCP relay on the machine connecting the two segments to solve the DHCP problem.

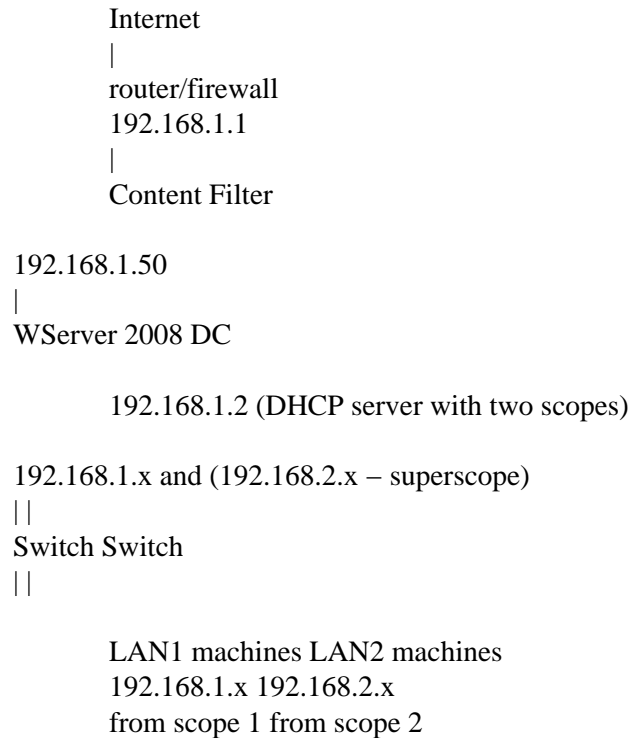
I think this is the answer to my problem. We have one network that has a 192.168.1.x scope of addresses and the other that uses 192.168.2.x addresses. On the W2008 server do I need to setup a super scope or just 2 normal scopes - 1 that is serving 192.168.1.x and the other that is 192.168.2.x addresses?

How are you routing the traffic in the 192.168.2.x subnet? Are you using

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the W2k3 server as a RRAS router? You will need to make some changes to your scope and also the your gateway router to get that to work. Here is a setup which will do that.

Not using RRAS routing. Here is how it is currently setup.



The machines on LAN1 are fine. The machine on LAN2 will only connect the the W2008 Server, but won't route to the internet. Is that where DHCP relaying comes into effect. Thanks for your patiences. I've always dealt with small networks with only IP scope and am learning as I go.
Tom