

# Re: Multiple IP Schemes for Different Buildings

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<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.general/2007-08/msg00148.html>

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- *From:* Tom <Tom@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
  - *Date:* Sat, 4 Aug 2007 06:42:00 -0700
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Thanks for the info.

We would like to keep separate AD domains for now since we have a lot of software that would need to be changed if we reduce to one.

Can you send me a link on how to setup a two way trust?

If each server has it's own DHCP server then I don't need to worry about a client in one building getting an IP from the wrong server?

We currently have a linksys router that will share the internet for both buildings. Can setup both DHCP servers to point their default gateways to the same router?

Our current DHCP servers are using the same subnet: 255.255.255.0 , but the IP ranges are different: 192.168.1.x & 192.168.2.x. Should I change that?

Any links would be greatly helpful. I sure appreciate you taking the time to answer.

Thanks,  
Tom

"Anthony" wrote:

Tom,

- 1) If you don't need separate AD domains you can consider reducing them down to one
- 2) For now, you could just set up a two way trust
- 3) Ideally you would want at least two DC's for a domain anyway
- 4) This has no bearing on DHCP
- 5) Sharing an internet connection is just a routing matter. It does not affect domains or DHCP
- 6) As you have a server in each subnet, you can just leave it at that. Each server can run DHCP for its own subnet.
- 7) If you ever wanted to, you can run more than one subnet on one DHCP server. You use an ip-helper address to forward requests from each subnet to the DHCP, where it answers with the relevant scope.

Hope that helps,

Anthony

<http://www.airdesk.co.uk>

"Tom" <Tom@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message

Re: Multiple IP Schemes for Different Buildings

news:47E65682-14A6-4C1F-AFB2-38AE80435474@xxxxxxxxxxxxxxxxxxx

Thanks for the response Anthony. Sorry I didn't explain it better. The problem is I have 2 primary domain controllers on the same network. They were separate networks, but once they were connected with the T1 they now are sharing the same Internet connection. They server different domains. Ex. example.com and example1.com. The each are running their own DHCP server with different IP addressing Ex. 192.168.1.x and 192.168.2.x. We have to many machines to have just one scope. So should I make one of the servers a secondary domain controller and join the domains?

Thanks,  
Tom

"Anthony" wrote:

Tom,  
Not sure if I understand the question correctly.  
A DHCP server can serve more than one scope. On the "other" subnet from the server you need to add an ip-helper address or some other way of forwarding the DHCP request from the client. This is normal practice when splitting a LAN into VLANS.  
You can also have more than one DHCP server serving a subnet, but they can't have the same range of addresses to give out. You need to use exclusions to keep different ranges on different servers. There is no way in MS to share the DHCP database of leases.  
Hope that helps,  
Anthony –  
<http://www.airdesk.co.uk>

"Tom" <Tom@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message  
news:5A284B9F-0D1D-40DE-A879-5D2C7AC915C8@xxxxxxxxxxxxxxxxxxx

## Re: Multiple IP Schemes for Different Buildings

Hello,

I currently have 2 office buildings each with their own dc and dhcp servers.

However, we are going to connect the 2 buildings for internet purposes, but

need to maintain the separate IP scopes.

How can I have both dhcp servers

running and have them only give a certain range of IPs for each building.

Ex. Building one uses 192.168.1.x

Building two uses 192.168.2.x

Thanks for the help.

Tom