

Re: Adding site to Domain, question about configuring before deploy

Source:

http://www.tech-archive.net/Archive/Win2000/microsoft.public.win2000.active_directory/2006-01/msg00302.html

- *From:* "Herb Martin" <news@xxxxxxxxxxxxxxxx>
 - *Date:* Tue, 10 Jan 2006 14:34:00 -0600
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"snafu-ed" <snafued@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message news:151BDD0F-3799-43E4-86A2-B84B28719FE7@xxxxxxxxxxxxxxxx
>I currently have a win2k3 AD domain structure. Our network is setup so
>that
> each of our sites use a separate class c network. Routing between sites
> is
> controlled through routing tables on our cisco routers.
>
> So, if site A is the main site and uses 192.168.x.0 as the network address
> and site B is the new location and uses 192.168.y.0, is it possible to
> create
> the domain controller for site B while at site A?

Yes, but generally it will default to the Site in which its IP address places it.

So you will have to (right click and) move it to the correct site by the time you physically move it to the new location.

> From what I've read and
> experienced you really should never change the IP addresses of Domain
> controllers so I wouldn't be able to simply set site B's ip address to the
> same subnet of site A even temporarily.

I have been known to successfully change the IP addresses of DCs. The key is to get the DNS changed (and replicated) with it. And of course to get its site corrected.

You can also create a "phony subnet" just for this purpose -- if it bothers you. E.g., 172.16.99.0 as the subnet.

Make it part of the "new site". Setup routing to it in the local LAN. Install the DC. Move the DC. Change the address and wait for replication.

Go back and remove the Phone site (e.g., 172.16.99.0) from the new site if you wish, so that next time you can use it for another

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"new site."

All of this is likely unnecessary but it is an option.

- > I guess what I am trying to determine is if when I create the new site in
- > Active Directory Sites and Services if that will allow me to have the two
- > domain controllers see each other on the same network even though they are
- > showing different IP subnets and there will not be a router between them
- > with
- > the routing tables and to act as site B's gateway.

If you wish, but you may also dispense with the router if you run a (temporary) Multi-net and you know how to set the local routing on each (affected) DC.

- > I'd like to be able to
- > have the whole windows LAN pretty much configured (or as much of it as I
- > can)
- > before I haul everything up to the new site.

This is quite workable if you don't already have machines populating that "new site".

The only changes when the ENTIRE subnet moves will be on the routers.

- > This will be the first multisite AD implementation that I will have done
- > so
- > I may be making a mountain out of a mole hill.

Probably. <grin> But that is somewhat better than overlooking critical problems and not even seeing the real hills for the mountain. (Mixed metaphors.)

- > If anyone could give just
- > some good pointers on that I'd appreciate it. I'm planning on doing some
- > experimenting with Virtual PC with this kind of configuration before the
- > install, but I figured I'd throw this question out there to give me some
- > extra things to test.

You would probably find it more natural to just use a small router unless you are a real VPC expert. The extra complications of VPC can easily obscure the problem (or magnify a non-problem) if you aren't not truly adept at VPC.

For most SERVER type testing this is not an issue but it (VPC) can quickly present a problem if the network itself is what you are trying to model.

VPC can certainly simulate it, but a small router is much more naturally isomorphic, i.e., same features, same ideas, same FEEL, to the eventual router based setup.

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- *Follow-Ups:*
 - ◆ **Re: Adding site to Domain, question about configuring before deploy**
 - ◇ *From:* Paul Bergson
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