

# Re: Site links In a meshed network

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*Source:*

[http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.active\\_directory/2006-07/msg00477](http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.active_directory/2006-07/msg00477)

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- *From:* "Paul Bergson" <[pbergson@xxxxxxxxxxxxxxxxxxxxx](mailto:pbergson@xxxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Mon, 10 Jul 2006 10:40:55 -0500
- 

Geographically your site design makes perfect sense.

I wouldn't create any manual connections, but instead let the KCC generate all the connections. If there are connectivity AD is smart enough to rebuild the connections. This takes time but it is self healing.

--

Paul Bergson MCT, MCSE, MCSA, Security+, CNE, CNA, CCA  
<http://www.pbbergs.com>

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"Spiff\_21" <[Spiff21@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:Spiff21@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx)> wrote in message  
[news:A858D5EF-705D-495C-A9EF-CF6620BF32A0@xxxxxxxxxxxxxxxxxxxxx](mailto:news:A858D5EF-705D-495C-A9EF-CF6620BF32A0@xxxxxxxxxxxxxxxxxxxxx)

Geographically does what ??

Could you be a little more specific, about what you would do. I am not sure i undestand how you would have the setup. Please have in mind we already have and are using the 4 sites

"Paul Bergson" wrote:

Geographically it does. I would let the KCC do the work for you though.

--

Paul Bergson MCT, MCSE, MCSA, Security+, CNE, CNA, CCA  
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Re: Site links In a meshed network

"Spiff\_21" <Spiff21@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message  
news:63B5BE81-8730-434D-97F6-CB3FD537E02A@xxxxxxxxxxxxxxxxxxxx

The all 4 sites are created and are working at the moment.  
Through one  
sitelink, but Replication to the us site are taking 3 times as  
long  
than  
EU  
sites. This is Properly due to slower Connection

The US1 and EU3 are small sites with 20 people, and only  
have one Doman  
controler, EU1 and EU2 are larger with 200 people with 2  
domain  
controlers.  
All sites are located in different cities so i think it makes  
sence to  
keep  
the structure of the sites as they are, we only need to change  
the  
sitelinks.

"Paul Bergson" wrote:

If you want to keep it simple, let the KCC  
handle everything. Define  
a  
US  
site and leave the EU site, there is no need to  
start assigning costs  
since  
(From your description) the connectivity is  
all the same. If a  
connection  
goes down the KCC will re-assign a new  
route. I'm not sure how many  
dc's  
you have but I would make sure that the US  
site has two dc's if there  
are  
many users. I wouldn't want my fall back  
going to the EU on a US dc  
failure. You could define multiple static  
routes between the US and  
EU  
but  
like the old DNS days you then have to  
maintain it and your

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environment  
just  
doesn't seem to need any human interaction.

You mention you have 10 meg between EU sites, but that is a misleading number. How much traffic is actively occurring has a big impact on this.

There could be so much traffic that the 1.5 meg connection could have a higher throughput than the 10 meg connections and then you would want to define individual sites for each. As it is now, your US users could be authenticating to any of the EU dc's since you haven't defined your sites yet.

This is my opinion and I'm sure others will jump in, but the less hands on you do the easier your maintenance is going to be.

--  
Paul Bergson MCT, MCSE, MCSA,  
Security+, CNE, CNA, CCA  
<http://www.pbbergs.com>

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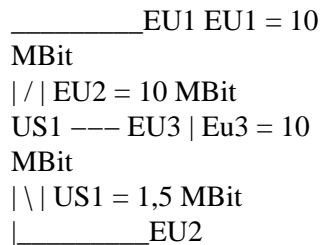
"Spiff\_21"  
<Spiff21@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>  
wrote in message  
<news:C3318B42-DA38-45FA-B6FC-0D455E827FB3@xxxxxxxxxxxxxxxxxxxx>

I have a network spanning 4 sites, 3 EU and 1 US. All 4 sites are interconnected by VPN

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tunnels in a mesh topology.  
All 3 EU Sites are  
connected to each other by  
10 Mbit, and the us site are  
connected to  
all  
sites by 1,5 Mbit. There is  
no main site, but to of the  
EU sites are  
larger,  
and have secondary domain  
controlers.

As it is now all sites are  
connected by a single  
Sitelink. This is  
wrong  
as  
the US site don't have the  
same bandwidth



As i see it we can do three  
things. But we need to have  
in mind that  
is  
a  
sites fails the replication  
should still work. so how  
should i setup  
our  
sitelinks ?

also we may need to connect  
2 new small US sites

In this case we create a  
sitelink for each connection.  
This results  
in  
a  
many sitelinks, and if we

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connect 2 extra sites the  
number of  
sitelinks  
will  
increase rapetly  
EU1–EU2 Cost 100  
EU1–EU3 Cost 100  
EU1–US1 Cost 650  
EU2–EU3 Cost 100  
EU2–US1 Cost 650  
EU3–US1 Cost 650

In this case we have a  
central EU Site, and create  
sitelinks from  
each  
site  
in EU to each smaller us  
site. This results in only 3  
sitelinks pr  
site.

EU1–EU2–EU2 Cost 100  
EU1–US1 cost 650  
EU2–US1 Cost 650  
EU3–US1 Cost 650

In this case we have a  
central EU Site, Then we  
pick a main site  
properbly  
the site that have the PDC  
and the create sitelinks from  
this sites.

EU1–EU2–EU2 Cost 100  
EU2–US1 cost 650