

Re: Site links In a meshed network

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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 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.

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"Spiff_21" <Spiff21@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message
<news:C3318B42-DA38-45FA-B6FC-0D455E827FB3@xxxxxxxxxxxxxxxxxxxxx>

I have a network spanning 4 sites, 3 EU and 1 US. All 4 sites are interconnected by VPN 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 two of the EU sites are larger,
and have secondary domain controllers.

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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

```
_____EU1 EU1 = 10 MBit
|/| EU2 = 10 MBit
US1 --- EU3 | Eu3 = 10 MBit
|\| US1 = 1,5 MBit
|_____EU2
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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 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 properly the site that have the PDC and the create sitelinks from this sites.

EU1–EU2–EU2 Cost 100

EU2–US1 cost 650