

RE: AD Intersite replication

Source:

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- *From:* Vicky <Vicky@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Mon, 17 Apr 2006 06:37:02 -0700
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I am Confused, I think I should do some more reading & come back.

Thanks anyway

"Brian Delaney" wrote:

No, not at all. The ISTG uses the site link costs that you specify to determine if it will create a replication connection over that site link or if it will use a lower cost link with another site to get the replication data it needs.

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Brian Delaney, MCSE

"Vicky" wrote:

Dear Brian,

Do you mean to say that site link cost is just for documentation purpose, so at a glance the administrator can know which site have what type or reliability of connection?

"Brian Delaney" wrote:

You cannot achieve this via Site links.

A site link indicates that there is connectivity between two sites in Active Directory but defining two sites links, one for a high bandwidth connection and another for a low bandwidth connection does not have any effect on which wan connection will be used for the replication traffic. This determination will be made by your router configuration.

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The cost of a link is just an indication of the links speed and availability. High speed and highly available links should have a lower cost then lower speed unreliable links. Typically the costs should be proportional to the link speed. For example a 100Mb link vs a 1Mb link both of which are reliable. If the 100Mb link is the fastest link you have i would assign it a cost of around 10... since the 1Mb link is 100 times slower, I would assign it a cost of 1000.

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Brian Delaney, MCSE

"Vicky" wrote:

I keep wondering about the following.
Please help me clear my doubts.

Suppose I have a single win 2003 domain spanned acrosss two IP sites. There are two Physical WAN links between these sites, one a High bandwidth & other a Low bandwidth line.

When I have to create site links using AD Sites & services I create two logical links in AD & set the cost. I wish to know how does this logical link map to the Physical WAN links.

I may wish to achive any one of the following.

1] always try to repliate using low bandwidth line first, if unavailable then use the High bandwidth line or
2] always try to replicate using High bandwidth line first, if unavailable then use low bandwidth line

How is the above possible?

What is exactly the cost of the link? Is it used to point to the available high bandwidth WAN link? or is it used to

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map a logical link to a physical
kink or what?