

RE: Active Directory New Site

Source:

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- *From:* Ryan Hanisco <RyanHanisco@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Wed, 19 Sep 2007 07:58:05 -0700
-

Hi Chris,

I really like the Cisco 800 platform as a router (That's what I use at home.) but if you are using lower end equipment in your network (netgear) you could continue like that.

The internal uplink to the router would be on your 192.168.16.0/24 network and I would put the other end in 192.168.32.0/24 and route between them. I like to split on the eights (0,8,16,32) in case you have to group your class c subnets against a mask and this arrangement allows you to be more efficient in your ACLs.

Hope this helps.

--

Ryan Hanisco
MCSE, MCTS: SQL 2005, Project+
www.techsterity.com
Chicago, IL

Remember: Marking helpful answers helps everyone find the info they need quickly.

"Chris White" wrote:

Hey Ryan,

Thanks for your input.

Right now I'm struggling to find a cost effective router.

I guess the Cisco 850 Router Model would do it? But as the router contains switched ports I didn't know if it would just function as another switch in my environment and be a waste of time? I need the router to act as a bridge between the two networks.

Here's my network plan:

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<http://i34.photobucket.com/albums/d122/ChrizRockster/work/The-Plan-O-Deathv2.gif>

Cheers.

--

Chris White
United Kingdom

"Ryan Hanisco" wrote:

This is exactly what I would do here. I'd use an additional router and set up the sites exactly as you've outlined.

--

Ryan Hanisco
MCSE, MCTS: SQL 2005, Project+
www.techsterity.com
Chicago, IL

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"Chris White" wrote:

Hey guys,

Thanks for your replies so far.

I was warned off the RRAS service for this type of network challenge.

We have some good rack routers just sitting in the cupboard.

Would it be as simple as putting the router between the existing switch, and a new switch with the second redundant server/dfs replica on? Then using AD Sites and Services to create a new site, then inside that, the server object and subnet object for that server?

I know this is a networking question really, but I know you guys are very multi-skilled.

Thanks for your time!

--

Chris White
United Kingdom

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"Ryan Hanisco" wrote:

Hi Everyone,

Multihomed DCs are more trouble than they are worth and can lead to all kinds of replication fun. Tim does make a good point, though.

The piece of equipment you are missing is a router to get you from one network to another -- this could be inter-VLAN routing on a switch, a physical router, or a server running RRAS to route between the NICs.

If you have the equipment and enterprise need to justify an additional site for redundancy, you would probably be better served acquiring the network equipment to do it correctly. I am a big fan of only asking equipment to do what is in its sweet spot. This means avoiding routing on servers, especially DCs, if at all possible.

If you're stuck with home class equipment like linksys, you might be better off getting a combo router/ switch for \$40 and using the uplink port to connect back to your main LAN segment. You'll have to work a little more for it, but it'll be much more stable. Of course, I would strongly suggest investing in Cisco gear, but I'm sure you would have already if it were just that easy.

Cheers,

--

Ryan Hanisco
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"Tim" wrote:

Here's an outside the box solution. Put 2 NICs in the server and use routing and remote access to actually create a second network. Real site, real subnet. No VLANs or switch configs.

Tim

"Chris White" wrote:

Hi there,

So I have been discussing a project with a MVP on another newsgroup and know what i need to achieve. Just need help with it.

Basically i need to create a "fake" site.

I have 2 DFS-Store servers (2 servers with a copy of the same data).

I need to put the second on a new site,

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with a
VLAN on
my switch
so DFS
thinks its an
Off-Site
replica.
When really
it would
help me
resolve my
failover
requirements.

So....

Hand Built
PC –
SBS2003
SP1
DFS–Catalogue
– Brand
New Dell
PowerEdge
860 – 2003
R2
DFS–Store1
– Brand
New Dell
PowerEdge
860 – 2003
R2
DFS–Store2
– Brand
New Dell
PowerEdge
860 – 2003
R2

DFS–Catalogue
: ---->
DFS–Store1
(Master)
: ---->
DFS–Store2
(Replica on
fake new
site & new
subnet)

I need to

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create a way, in AD, to add a new site, and a new subnet for my VLAN and then physically link into that VLAN somehow? I dont understand how i need to link the existing switched machines to a VLAN port group. The Netgear GS725T Switch doesn't offer the chance to assign a Subnet to the new created VLAN port-group.

Basically need to trick AD into thinking that the DFS-Store2 is on another site, and put a higher cost on that connection. So users on the first site talk to the DFS-Store1 only. But

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need to
create a
route so
that, if
DFS-Store1
was down,
the users
would be
switched
over to
DFS-Store2
on what
seems to be
another site.

Thanks in
advance.

--

Chris White
United
Kingdom