

Re: 3 LAN, 2 WAN – 2 LAN use 1 WAN, last LAN uses other WAN

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The DSL and the WANs don't have anything to do with anything.

If all the LANs are in the same building you connect them with normal ethernet with a LAN Router in between (I mean a "real" router, not a home-user NAT-box).

You could use a Layer3 Switch which is a LAN Router and a network Switch built into the same piece of hardware.

One nic per machine. Get rid of the 6 nics in the Server.

Networks are separate from computers. Computers live on the network just like houses live on the streets. But the computers do not become the network just like houses do not become the streets. A network should function even if there is not one single computer on it. If you design a network with that in mind you will be miles ahead.

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The views expressed, are my own and not those of my employer, or Microsoft, or anyone else associated with me, including my cats.

"ZaneB" <ZaneB@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message
news:CBA7EACD-E6AD-47BF-AE73-FDA003A50468@xxxxxxxxxxxxxxxxxxxx

Hi,

I can connect one network consisting of a switch & ADSL modem to the internet (twice) and then join both of these networks together via the internet. What I want to do is join the networks together before they hit the internet (physically located in the same building) – because it's a lot quicker for me to access the other computers via 100Mbit switch then it

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via
ADSL. I have two switches & two ADSL modems that sit on top of each other.
I
need to join these together.

I have a Windows 2008 Std Server with 6 NICs. This is what I want the end result to be.

LAN

192.168.10.0/24 – CompanyA
192.168.11.0/24 – CompanyB
192.168.12.0/24 – CompanyC

WAN

192.168.0.1 – ADSL Modem 1
192.168.1.1 – ADSL Modem 2
These modems can run in bridge mode if that's a better way to go... They are just running in PPPoE at the moment.

What I'd really like to do is have all the modems plugged into a switch and then only using one interface on the server as that will allow me to have 5 network segments. As it stands we have 3 right now, and will have 5 in about a month with 5 ADSL modems. As mentioned above I can keep them all separate and link them via the internet but that is WAY slower then if they were all joined together before they hit the internet. These are 5 companies in the same building using each others services, which they could do via the internet, but again that is slower then connecting directly via a LAN. I'm effectively the 5th company as I support the other 4.

So I need to have all the network segments talking to each other – which I've managed to setup. I then need to be able to specify which network segment uses which ADSL modem – this is the part I haven't been able to setup yet. The idea here is that, if one provider goes down I can just switch the network segments over to the ADSL modems that working and everything keeps working.

Thanks for your pointers,

ZaneB

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