

## Re: VPN over wireless

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- *From:* "John Oliver, Jr. [MVP]" <jcoliverjr@xxxxxxxxxxxx>
  - *Date:* Wed, 30 Jan 2008 16:59:12 -0500
- 

I personally use Cisco since I am Cisco Certified. I know with Cisco Support (Smartnet) with a Cisco Switch it would work. Do not use Dlink that much so I cannot comment. I would keep pounding on them to get it to work. You have an investment in their products so they should support it. This configuration is not uncommon and I cannot believe their equipment will not support it.

—  
John Oliver, Jr  
MCSE, MCT, CCNA  
Exchange MVP 2008  
Microsoft Certified Partner

"Mike Webb" <Mike\_Webb@xxxxxxxxxxxxxxxxxxxx> wrote in message  
<news:%239y7BM4YIHA.4828@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

I've thought about this a bit and am hesitant to try it for the following reason: I've tried, on and off, for about 9 months to get VLAN's working on my network – and no success. I've been on-line and on phone with D-Link's tech support, even got bumped up a level or two, and we could never get it to work. I also 'haunted' the MS wireless newsgroup with this issue. Never got it solved. I could "see" the main building AP (which is wired) but the remote AP's could never get a connection.

I'd be willing to try again, but I'd need someone who KNOWS the D-Link managed switches to lend lots of advice.  
(I won't bore you or this newsgroup with the details, but will share it with anyone off-line. I'll post here if it is thought to be constructive.)

Mike

"John Oliver, Jr. [MVP]" <jcoliverjr@xxxxxxxxxxxx> wrote in message  
<news:eoLack3YIHA.1132@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

Mike,

Re: VPN over wireless

I see now, so you only have one Gateway or WAN connection and not two as it suggested in your first post. I would have setup a separate VLAN on the L2/L3 switch. You will still the need the Router to issue DHCP and wireless to the Guest network. Give the LAN IP on the router an IP of 10.0.0.1 (better for separating networks if you use a different Private Range) So when you create, say VLAN2 on the switch plug the internal port of the 524 to VLAN2. This will now give the Guest computers IP's on the 10.0.0.0 network but still access to the internet. Now on the WAN port of the 524, input an IP address of 192.168.0.50. Plug the WAN Port of the 524 into the VLAN1. Now you can go the PIII's and add a persistent route statement for the 192.168.0.0 network. This will now let the PIII's access the 192.168.0.0 network. You could also do a lot of this the Cisco Router but you did not state what model you have. It basically would not require the need for route statements on the PIII's as the Router would control them through access lists but in your case we still need the additional DHCP Server and AP so this would not be relevant. If this does not make a lot of sense then I would contact a Cisco Engineer to help you out. Better to get this done right the first time.

—  
John Oliver, Jr  
MCSE, MCT, CCNA  
Exchange MVP 2008  
Microsoft Certified Partner

"Mike Webb" <Mike\_Webb@xxxxxxxxxxxxxxxxxxxx> wrote in message  
[news:eE62uO3YIHA.4332@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:eE62uO3YIHA.4332@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

Ok, that makes a bit more sense, but I think I should diagram  
out my  
setup to see if you think your idea will still work.

T1, Cisco Router  
|  
unmanaged D-Link  
switch  
||  
LAN Router Wireless Router  
(D-Link DI-524)  
192.168.1.1 192.168.0.1  
||  
L2/L3 switch (4) wireless  
access points (D-Link DWL-2200AP)  
(D-Link DES-3828)  
192.168.0.100 thru .103  
192.168.16.150  
|  
SBS server  
192.168.16.2

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So .... how would I do as you suggest?

"John Oliver, Jr. [MVP]" <jcoliverjr@xxxxxxxxxxxx> wrote  
in message  
[news:OEWyTJ3YIHA.4896@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:OEWyTJ3YIHA.4896@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

I have no problem with creating a separate network for just the Guests but why not just let the PIII's connect directly to your LAN through the AP's with security enabled? You are essentially doing the same thing with creating the VPN through the additional internet connection. When they connect either way, they will still be on your SBS LAN. You can control access to your SBS LAN AP's with Mac addressing, time schedule, etc. for the PIII's. This gets them only connected to your SBS LAN, at that point you can still implement Windows AD Security.

--  
John Oliver, Jr  
MCSE, MCT, CCNA  
Exchange MVP 2008  
Microsoft Certified Partner

"Mike Webb"  
<Mike\_Webb@xxxxxxxxxxxxxxxxxxxx> wrote  
in message  
[news:OFCDj32YIHA.1532@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:OFCDj32YIHA.1532@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

I've set the AP's and router to WPA2. However, the primary users of this Guest network are people here for conferences, visitors, grad and undergrad students in our housing unit during their off time, etc. I don't want them anywhere NEAR my SBS network, so I don't know how to give just these 2 PIII's

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access -- as I think you're suggesting.

"John Oliver, Jr. [MVP]"

<jcoliverjr@xxxxxxxxxxxx>

wrote in message

[news:uY7ewu2YIHA.4160@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:uY7ewu2YIHA.4160@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

If you are using wireless then enable encryption WEP or WPA (most secure) on the wireless AP's. No need for VPN.

--

John Oliver,  
Jr  
MCSE,  
MCT,  
CCNA  
Exchange  
MVP 2008  
Microsoft  
Certified  
Partner

"Mike  
Webb"

<Mike\_Webb@xxxxxxxxxxxxxxxxxxxx>

wrote in  
message

[news:uI%23MMR2YIHA.208@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:uI%23MMR2YIHA.208@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

Running  
SBS  
2003  
Premium,  
Exchange,  
ISA  
2004,  
SQL,  
2

Re: VPN over wireless

NIC's,  
router,  
L2/L3  
switch,  
WSUS.

---

I  
am  
setting  
up  
a  
separate  
network  
for  
Guest  
access  
using  
a  
wireless  
router  
with  
a  
fixed  
IP  
connected  
to  
the  
T1  
Cisco  
router.  
My  
access  
points  
are  
in  
near-by  
buildings  
and  
connectivity  
is  
good.  
Our  
lab  
is  
busy  
from  
Spring  
to  
early  
Fall  
with

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undergraduate  
and  
graduate  
students,  
and  
a  
part  
of  
their  
duties  
is  
to  
input  
data  
into  
Excel  
sheets  
and  
database  
forms.  
I  
put  
a  
couple  
old  
PIII's  
out  
there  
with  
wireless  
cards  
and  
would  
like  
to  
give  
them  
access  
to  
the  
LAN  
so  
they  
can  
get  
to  
those  
resources.  
Money  
is  
tight,

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otherwise  
I'd  
set  
up  
another  
wireless  
network.  
Can  
I  
use  
VPN  
in  
this  
scenario?  
(I've  
never  
used  
it  
or  
seen  
it  
in  
use.)  
The  
setup  
seems  
pretty  
simple.  
We  
are  
in  
a  
remote  
rural  
area  
so  
I'm  
not  
worried  
about  
anyone  
else  
getting  
in.  
I'm  
pretty  
sure  
I  
can  
lock  
the

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users  
down  
with  
folder/file  
permissions  
so  
they  
can't  
stray  
where  
they  
shouldn't.  
(GP  
is  
probably  
better,  
but  
that's  
another  
area  
I've  
never  
gotten  
into.)

Any  
and  
all  
suggestions  
and  
comments  
are  
welcome!

--  
Mike  
Webb  
Platte  
River  
Whooping  
Crane  
Maintenance  
Trust,  
Inc.  
a  
501  
(c)(3)  
conservation  
non-profit  
organization

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