

Re: VPN over wireless

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.sbs/2008-01/msg03936.html>

- *From:* "Mike Webb" <Mike_Webb@xxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Wed, 30 Jan 2008 14:59:27 -0600
-

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@xxxxxxxxxxxxx> wrote in message news:eoLack3YIHA.1132@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx

Mike,

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.

Re: VPN over wireless

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

"Mike Webb" <Mike_Webb@xxxxxxxxxxxxxxxxxxxx> wrote in message
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

So how would I do as you suggest?

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

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

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LAN, at
that point you can still implement Windows AD Security.

--

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"Mike Webb" <Mike_Webb@xxxxxxxxxxxxxxxxxxxx> wrote
in message
news:OFCDj32YIHA.1532@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx

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 access -- as I think
you're suggesting.

"John Oliver, Jr. [MVP]"
<jcoliverjr@xxxxxxxxxxxx> wrote in
message
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.

--

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"Mike Webb"
<Mike_Webb@xxxxxxxxxxxxxxxxxxxx>
wrote in message
news:uI%23MMR2YIHA.208@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx

Running
SBS 2003

Re: VPN over wireless

Premium,
Exchange,
ISA 2004,
SQL, 2
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
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

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cards and
would like
to give
them access
to the LAN
so they
can get to
those
resources.

Money is
tight,
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
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.)

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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