

# Re: ISA 2004 – How to allow Guest and Client access from wireless

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*Source:*

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.sbs/2007-06/msg01339.html>

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- *From:* "Cris Hanna [SBS-MVP]" <[crisnospamhanna@xx](mailto:crisnospamhanna@xx)>
  - *Date:* Fri, 8 Jun 2007 15:23:41 -0500
- 

Mike

You don't get cable TV into the bunk house?

Satellite would about as expensive to do hardware wise as a second set of antenna's/APs for the "guest" wireless

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Cris Hanna [SBS-MVP]

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Microsoft MVPs  
Independent Experts (MVPs do not work for MS)  
Real World Answers  
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Please do not contact me directly regarding issues

"Steve" <[news:efoaXbgqHHA.192@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:efoaXbgqHHA.192@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)> wrote in message

No I wasn't suggesting that it would handle 2 separate signals and doubt that is possible either. I was assuming it would be dedicated at the bunkhouse only for external internet connectivity with no need for the internal. If that's not what you want to do then yes you probably need a 2nd AP & antenna at the bunkhouse. I don't really have experience with complicated wireless configurations so just trying to suggest something that might work.

"Mike Webb" <[news:OFxBBJgqHHA.4180@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:OFxBBJgqHHA.4180@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)> wrote in message

Interesting idea....I didn't know an AP could handle signals from 2 other APs simultaneously. (I'm a relative newbie to wireless, too). How'd that work?

"Steve" <[news:eCzl8DgqHHA.532@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:eCzl8DgqHHA.532@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)> wrote in message

Re: ISA 2004 – How to allow Guest and Client access from wireless

Hire some gophers/moles to help with the trench?

Couldn't you use the existing AP/antenna at the bunkhouse and only need 1 more set at the main building?

"Mike Webb" <Mike\_Webb@xxxxxxxxxxxxxxxxxxxx> wrote in message  
[news:uNN8o4fqHHA.3484@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:uNN8o4fqHHA.3484@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

I'd thought about the trench idea, but not real practical for us – lotta asphalt and it's just me to do the digging (I'd probably dig into some buried cable).

Not a bad idea on buying another set of APs and antennas, but that's another \$500 or so. Bad enough that it seems I bought a new switch for VLANs (about \$900) that now won't solve my problem. I know it's relatively just pocket-change, but I fight for every dollar for the IT stuff we need. I really don't know if I can squeeze any more out of our general funds.

And you're right, I mis-spoke -- it is a WAN port, so I have 3 empty ports available.

Mike

"Steve" <newsgroup@xxxxxxxxxx> wrote in message  
[news:uWOqyufqHHA.4108@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:uWOqyufqHHA.4108@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

Ah-dig a trench to the bunkhouse and drop in a CAT 5 cable (max length is ~ 300 ft.). Oops probably not too practical but would sure solve your problem!

How about another dedicated AP with directional antenna to the bunkhouse AP? That could plug into another port on the

router. With SBS and external NIC you can actually have a DHCP service turned on a router that causes no interference with the SBS DHCP server.

One clarification—I'd think the satellite cable connection to the router would be to some "WAN" port rather than internal?

"Mike Webb"  
<Mike\_Webb@xxxxxxxxxxxxxxxxxxxx>  
wrote in message  
[news:usKKQSfqHHA.4548@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:usKKQSfqHHA.4548@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

Thanks for coming aboard.

The bunkhouse has a directional antenna pointed at the main building, so it's at the far end — about 250-ft to the omni-directional antenna on our roof.

The router has 4 "internal" ports; one is taken up by the cable to/from the satellite modem and one to the

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external  
NIC.

I use SBS's  
DHCP, not  
the router –  
although it  
is capable.

Cell phones  
work fine,  
but not for  
data at our  
location.  
There are  
towers in  
the area, but  
clear LOS is  
blocked by  
lines of  
trees along  
the creeks  
and  
fencelines.

Mike

"Steve"  
<newsgroup@xxxxxxxxxx>  
wrote in  
message  
[news:OviyJFfqHHA.4324@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:OviyJFfqHHA.4324@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

How  
far  
is  
the  
bunkhouse  
from  
the  
location  
of  
the  
satellite  
connection  
to  
the  
router?  
How  
many  
"internal"

ports  
does  
the  
router  
have?  
Does  
it  
provide  
DHCP  
service  
for  
its  
"internal  
side."  
I'm  
trying  
to  
see  
if  
there  
is  
some  
alternative  
config  
that  
will  
work  
for  
you  
and  
abide  
by  
Cris'  
well  
justified  
keep  
the  
guests  
on  
the  
"outside"  
of  
the  
network.  
Do  
you  
have  
cellular  
service  
with  
data

capability  
from  
any  
provider  
out  
there  
in  
your  
"boonies?"

"Mike  
Webb"

<Mike\_Webb@xxxxxxxxxxxxxxxxxxxx>

wrote

in

message

[news:%23zG4MveqHHA.4108@xxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:%23zG4MveqHHA.4108@xxxxxxxxxxxxxxxxxxxxxxxx)

Landline

won't

work.

We're

1.5

miles

from

the

main

road

and

another

mile

or

so

to

a

place

we

can

tap

into.

We've

got

someone

who

ran

a

T1

our

here

for

a



Re: ISA 2004 – How to allow Guest and Client access from wireless

true  
workers

Just  
curious...what  
about  
a  
separate  
residential  
DSL  
or  
Cable  
going  
to  
the  
bunk  
house  
with  
a  
DLink  
wireless  
router  
there  
for  
the  
"guest  
access.

--  
Cris  
Hanna  
[SBS-MVP]

---

Microsoft  
MVPs  
Independent  
Experts  
(MVPs  
do  
not  
work  
for  
MS)  
Real  
World  
Answers

---

Please  
do  
not  
contact

me  
directly  
regarding  
issues

"Mike  
Webb"  
<Mike\_Webb@xxxxxxxxxxxxxxxxxxxx>  
wrote  
in  
message  
[news:urF\\$yneqHHA.500@xxxxxxxxxxxxxxxxxxxx](mailto:news:urF$yneqHHA.500@xxxxxxxxxxxxxxxxxxxx)

I'm  
getting  
the  
strong  
impression  
that  
the  
"only"  
way  
to  
achieve  
my  
goal  
is  
to  
have  
2  
wireless  
networks  
–  
one  
connected  
to  
the  
router  
and  
one  
as-is  
connected  
to  
the  
switch.  
However,  
money's  
a  
problem  
(always  
is

with  
a  
nonprofit).

If  
I  
move  
the  
wireless  
from  
the  
switch  
to  
the  
router  
(which  
would  
mean  
VLAN's  
are  
out  
–  
router  
isn't  
802.1Q  
capable),  
could  
I  
then  
accomplish  
what  
I  
want  
to  
do?  
Or  
is  
there  
another  
way  
that,  
while  
not  
the  
best  
security-wise,  
would  
go  
most  
of  
the

way  
to  
solving  
my  
problem?  
If  
it  
helps,  
we're  
'way  
out  
in  
the  
boonies,  
so  
those  
who  
come  
here  
are  
by  
invitation.  
The  
big  
caveat  
to  
that  
is  
that  
a  
bunch  
of  
them  
are  
grad  
students  
who  
have  
down  
time  
at  
night  
with  
their  
laptops  
in  
our  
"bunk  
house".

Mike

"Cris  
Hanna  
[SBS-MVP]"  
<crisnospamhanna@xxxxxxxxxxxxxx  
wrote  
in  
message  
news:O7s42feqHHA.4180@xxxxxxxx

Guest  
access  
should  
not  
be  
from  
"inside"  
the  
LAN  
and  
on  
the  
same  
network  
as  
your  
"workers".  
Are  
these  
"guests"  
connecting  
from  
anywhere  
other  
than  
the  
main  
building?

In  
my  
main  
enterprise  
job...we  
have  
a  
secure  
wireless  
network  
for  
employees,

Re: ISA 2004 – How to allow Guest and Client access from wireless

etc  
with  
one  
SSID  
we  
have  
a  
second  
network/SSID  
for  
Guests

--  
Cris  
Hanna  
[SBS-MVP]

---

Microsoft  
MVPs  
Independent  
Experts  
(MVPs  
do  
not  
work  
for  
MS)  
Real  
World  
Answers

---

Please  
do  
not  
contact  
me  
directly  
regarding  
issues

"Mike  
Webb"  
<Mike\_Webb@xxxxxxxxxxx>  
wrote  
in  
message  
[news:OvsNBXeqHHA.4100](mailto:news:OvsNBXeqHHA.4100)

Running  
SBS  
2003

Premium  
SP2,  
SQL,  
Exchange,  
ISA  
2004,  
WSUS  
3.0,  
2  
NICs  
and  
a  
router,  
dynamic  
IP,  
DDNS  
service  
through  
dyndns.org,  
Symantec  
Backup  
Exec  
11d,  
managed  
switch  
D-Link  
DES  
3828  
(802.1Q  
capable),  
5  
Access  
Points  
-  
D-Link  
DWL-2200AP's  
(802.1Q  
capable),  
and  
the  
internal  
NIC  
is  
also  
802.1Q  
capable.

=====  
I'm  
in  
over  
my

head  
so  
thought  
it  
best  
to  
ask  
for  
advice  
than  
"experiment".

Goal:  
Using  
my  
wireless  
access  
points  
(AP's),  
provide  
guests  
and  
visitors  
internet  
ONLY  
access,  
and  
employees,  
temp.  
workers  
LAN  
access.

Background:  
Purchased  
and  
installed  
5  
AP's  
–  
one  
hard-wired  
to  
switch  
and  
it  
"talks"  
with  
the  
other  
4

in  
our  
outer  
buildings.  
Purchased  
and  
installed  
a  
managed  
switch  
as  
it  
can  
do  
VLAN's.  
Created  
4  
VLAN's  
–  
(1)  
has  
all  
ports  
and  
used  
for  
management,  
(2)  
has  
only  
Port  
2  
(internal  
NIC),  
for  
internet  
access,  
(3),  
has  
all  
ports  
except  
Port  
5  
(which  
is  
checked  
"Forbidden")  
for  
my  
LAN,

and  
(4)  
has  
ports  
2  
and  
5  
for  
the  
wireless  
side.  
The  
AP's  
are  
capable  
of  
using  
VLAN's  
and  
Multiple  
SSID's  
(up  
to  
3  
of  
them  
for  
Guests).  
The  
AP's  
can  
be  
configured  
for  
all  
the  
usual  
security  
modes.

I  
have  
exchanged  
many  
emails  
and  
phone  
calls  
with  
D-Link's  
tech

support  
to  
learn  
and  
set  
up  
the  
switch  
and  
VLAN's.  
I  
was  
told  
this  
morning  
(by  
their  
tech  
support)  
that,  
because  
I  
have  
only  
a  
single  
VLAN  
for  
wireless,  
I  
need  
to  
set  
a  
rule  
in  
ISA  
2004  
to  
finalize  
what  
my  
goal  
is.  
  
I  
admit  
to  
being  
"scared"  
to

set  
or  
change  
rules  
in  
ISA  
without  
a  
good  
grasp  
of  
SPECIFICALLY  
what  
I  
need  
to  
do.  
That's  
why  
I  
thought  
I'd  
ask.  
I  
don't  
know,  
through  
my  
inexperience,  
how  
to  
mentally  
frame  
the  
problem  
and  
then  
the  
solution,  
in  
terms  
I  
can  
translate  
into  
an  
ISA  
rule.  
  
Has  
someone

out  
there  
been  
through  
this  
before,  
and  
be  
willing  
to  
lend  
some  
advice  
and  
lessons-learned?

Many  
thanks  
in  
advance!!

--

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

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