

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

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.sbs/2007-06/msg01322.html>

- *From:* "Mike Webb" <Mike_Webb@xxxxxxxxxxxxxxxxxxxx>
 - *Date:* Fri, 8 Jun 2007 13:51:55 -0500
-

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@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

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:usKKOSfqHHA.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

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our roof.

The router has 4 "internal" ports; one is taken up by the cable to/from the satellite modem and one to the 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:OvijJFfqHHA.4324@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

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@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

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 wildlife webcam – costs them \$2100/mo (ouch!). Our only solution is satellite as we're not in the range or line-of-sight for wireless ISP.

"Cris Hanna [SBS-MVP]"
<crisnospamhanna@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
wrote in message
news:ucLZYqeqHHA.3372@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

Mike
If you move it to the router

then you will lose
connectivity to the
lan for the 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@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:urF$yneqHHA.500@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

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@xx>

wrote in
message

news:O7s42feqHHA.4180@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx

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,

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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@xxxxxxxxxxxxxxxxxxxx>
wrote
in
message
news:OvsNBXeqHHA.4100@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

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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