

Re: Best way to connect via wireless in new SBS install?

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.sbs/2005-05/msg05602.html>

- *From:* "GeordieB" <GeordieB@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Tue, 24 May 2005 00:38:07 -0700
-

Les,

Thanks, I see now how to have my wireless laptop connect internally. In a typical small office, or in my test environment, my home office network, is there any downside to having all wireless internet go through SBS? In other words, I currently have my Linksys WRT54G Router/AP connected to my cable modem, and SBS server is connected, along with 3 workstations, to the router's hard wired ports. I see now that this will not allow me direct access to my SBS internal network via wireless, correct? (I mean without using a remote solution as if I was physically away from the office).

With 2 NICs, then, I would connect my SBS server directly to the cable modem (running a firewall on SBS of course), and use the Linksys Router/AP simply as a network switch and wireless access point. Would that allow internal network access via wireless?

And again, is there any downside to leaving this as the only wireless internet access, through SBS? (Other than having to leave the SBS server on 24/7, which is pretty much the whole point of installing this whole thing anyway!) Such as slower access due to additional overhead of going through SBS, etc.?

Again, many thanks for your help. This is really exciting product, and I have at least six clients waiting in the wings to upgrade to SBS 2003, so I'm totally immersed in everything SBS these days (just ask my wife!). This online community is a wonderful resource, and I appreciate your willingness to share your time and expertise.

Geordie

"Les Connor [SBS Community Member – SBS M]" wrote:

- > Hi Geordie,
- >
- > If you go with a two nic setup, you'll have an external range of IP's (say,
- > 192.168.0.x – your external router DHCP scope) and an internal range
- > (192.168.16.x – your SBS DHCP scope).

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>
> With SBS standard, RRAS will filter traffic between the two networks, and
> with SBS Premium (and ISA installed), ISA will do the filtering.
>
> So, to enable wireless connections on the internal network, you'll purchase
> a wireless access point and plug it into the switch your SBS internal nic is
> connected to. Most SOHO gateway routers with wireless capabilities can be
> configured as access points. Your SBS will be the DHCP server for all
> internal clients, including wired and wireless connections. These clients
> will get internet access through the SBS.
>
> If you also want to provide wired and/or wireless connections on the
> external network (for internet access, etc.), you can use the external
> wireless-capable router for that purpose. These clients will get internet
> access without going through the SBS.
>
> You can keep security high for the SBS internal side, and lessen it for
> convenience on the external side if you wish.
>
> --
> Les Connor [SBS Community Member – SBS MVP]
> -----
> SBS Rocks !
>
>
> "GeordieB" <GeordieB@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message
> news:DE274A85-4CAF-40FE-A895-68AFDC7DA7C1@xxxxxxxxxxxxxxxxxxxx
>> Thanks much Chris! That's some good info, but I have a couple of follow-up
>> questions:
>> 1) Is there only one NIC in your server? It sounds like that is the case,
>> but I want to be sure.
>>
>> 2) How do the wi-fi laptops connect to the wireless AP? Is that due to
>> setting the secondary DNS to point to the Router? I guess I'm not quite
>> understanding how the wifi laptop connects to the wireless AP in the first
>> place, if the AP is not setup to give it an IP address (since SBS is now
>> the
>> DHCP server).
>>
>> 3) So the laptops are *not* part of the internal network? (only having
>> basic
>> internet access?). Ultimately, I'd like to have the wireless laptops
>> connect
>> to SBS somehow. Perhaps using Remote Web Access? I know there are
>> different
>> methods to do this, just unsure of which one will be most convenient.
>>
>> Thanks again,
>> Geordie
>>
>> "Chris Lawson" wrote:

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>>
>>> I have just setup someline very similar for a client of mine.
>>>
>>> 1. Windows 2003 SBS
>>> 2. Two Desktop Clients(cat5)
>>> 3. Two Laptops(wifi)
>>> 4. A Netcomm NB5580W
>>>
>>> So far, the way i have done the setup is turning the DHCP server off the
>>> NB5580, and setup DHCP on the server. My reasons behind doing this was:
>>>
>>> 1. Creater control over the VPN access (thought the DHCP)
>>> 2. Better setup for DNS(able to set internal and external servers for
>>> relivant traffic routing)
>>>
>>> This is a rought setup of the IP setup for the client.
>>>
>>> IP Range: 192.168.0.0/24
>>> Static IP Range – 192.168.0.1 – 192.168.0.10(use for printers, routers
>>> etc...)
>>> Dynamic IP Range – 192.168.0.11 – 192.168.0.254(use for desktops and
>>> laptops)
>>>
>>> The server is 192.168.0.1
>>> The router is 192.168.0.5(a reservation IP is set in the DHCP Server to
>>> make
>>> sure nothing else gets this IP)
>>>
>>> In the DHCP Server config i have told it to assign all connected PC's to
>>> use
>>> 192.168.0.5 as the default router. The Primary DNS server is the win2k3
>>> machine(192.168.0.1, this means that all local internal network traffic
>>> stays local), the secondary is the router(most routers these days have
>>> DNS
>>> Proxy which passes on all DNS traffic to the ISP that its connected with
>>> provided they auto–assign DNS Servers to there connected clients).
>>>
>>> Any laptops that come into the office and use the wireless they are still
>>> on
>>> a restricted access to the network soley because they need have have
>>> user/pass to get access to any of the desktops, laptops or server. all
>>> they
>>> have is basic access to the internet(and thats all they need).
>>>
>>> I hope this helps with some of your questions.
>>>
>>> If you want any further information, please feel free to let me know.
>>>
>>> Kind Regards
>>> Chris Lawson
>>> IT Service and Consulting

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>>>
>>>
>>> "GeordieB" <GeordieB@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message
>>> news:90ACC8F5-F030-4E16-9C73-DB9F67F02E58@xxxxxxxxxxxxxxxxxxxx
>>> > After perusing these boards, I've seen so much great info, thought I'd
>>> throw
>>> > this out. I'm installing SBS 2003 on my network. 4 clients (2 desktops
>>> > via
>>> > Cat5, plus 2 laptops connecting via 802.11b/g) in an existing peer to
>>> > peer
>>> > network. My new server has one NIC, and I was going to use my Linksys
>>> WRT54G
>>> > Router/AP for DHCP. However, I've seen so many posts suggesting using
>>> > SBS
>>> for
>>> > DHCP.
>>> >
>>> > Question: What's the best way to be able to connect to the SBS network
>>> from
>>> > my wireless laptop? If I understand what I've been reading here, I want
>>> > my
>>> > wireless connection to connect to the 'internal' SBS network (if my
>>> > router
>>> > does the DHCP, my wireless laptop would end up in a 'perimeter'
>>> > network?).
>>> > Mainly, I want to be able to keep Outlook 2003 sync'd between my home
>>> office
>>> > desktop computer and my laptop, as well as document sharing.
>>> >
>>> > I'm planning to install SBS a few times to learn the process, so adding
>>> > another NIC or changing some major setting is no problem. I'd like to
>>> > go
>>> live
>>> > later this week, but want to do it right. Also, if I put my Router
>>> > inside
>>> the
>>> > network, would its builtin firewall be basically useless at that point
>>> (being
>>> > that SBS would have the firewall between my ISP and the network?). Am I
>>> even
>>> > making any sense???

>>> >
>>> > Thanks for all your help,
>>> > Geordie

>>>
>>>
>>>
>
>
>
>
>

- **Follow-Ups:**
 - ◆ **Re: Best way to connect via wireless in new SBS install?**
 - ◇ *From:* Les Connor [SBS Community Member – SBS MVP]

- **References:**
 - ◆ **Best way to connect via wireless in new SBS install?**
 - ◇ *From:* GeordieB
 - ◆ **Re: Best way to connect via wireless in new SBS install?**
 - ◇ *From:* Chris Lawson
 - ◆ **Re: Best way to connect via wireless in new SBS install?**
 - ◇ *From:* GeordieB
 - ◆ **Re: Best way to connect via wireless in new SBS install?**
 - ◇ *From:* Les Connor [SBS Community Member – SBS MVP]

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