

Re: One Gateway, Two Networks

Source:

http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.network_web/2006-03/msg00460.html

- *From:* "John" <JohnSickOfSpam@xxxxxxx>
 - *Date:* Thu, 9 Mar 2006 19:29:31 -0000
-

Hi Doug,

Thanks for the fast reply. Following your feedback I think I've found the right thing then (Netgear RP614 – <http://www.netgear.com/products/details/RP614.php>).

So would my previous a) – e) be right if you replace the DG824s with the RP614?

Just want to be sure before I go ahead and buy the things.

Thanks again

John

"Doug Sherman [MVP]" <dsherman@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message news:usWk1r6QGHA.6084@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

No, Steve's solution contemplates that you would connect the WAN/Internet port of the respective routers to LAN ethernet ports on the SpeedTouch. I do not believe that your DG824M has a WAN/Internet ethernet port. If this is the case, you would need a different router.

Doug Sherman
MCSE, MCSA, MCP+I, MVP

"John" <JohnSickOfSpam@xxxxxxx> wrote in message news:#OBvIl6QGHA.5108@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

Hi Steve,

Thanks for your reply. I'm afraid I'm being a bit slow, so can I just

check

my thinking?

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- a) I connect my Netgear DG824M (Call this Netgear Router 1) (<http://kbserver.netgear.com/products/DG824M.asp>) via one of its four ethernet ports to one of the four ethernet ports on the DSL connected Speedtouch 510 modem/router.
- b) I do the same with a third router (maybe another DG824M). (Call this Netgear Router 2)
- c) I enable DHCP server on Speedtouch with IP range from 192.168.0.1 / Subnet 255.255.255.0
- d) I enable DHCP server on Netgear Router 1 with IP range from 192.168.1.1

/

Subnet 255.255.255.0

- e) I enable DHCP server on Netgear Router 2 with IP range from 192.168.2.1

/

Subnet 255.255.255.0

The spec in the Netgear manual says:
..."The gateway incorporates Auto Uplink™ technology. Each LOCAL Ethernet port will automatically sense whether the Ethernet cable plugged into the port should have a 'normal' connection such as to a PC or an 'uplink' connection such as to a switch or hub. That port will then configure

itself

to the correct configuration."...

So I'm assuming this means its ok to use the LAN ports to connect to the Speedtouch router?

Anyway, apologies for asking the same thing twice, but thanks for your

help.

Best regards

John

"Steve Winograd [MVP]" <bcmaven@xxxxxxxx> wrote in message news:2htt021j46cqrdg1bac8dbrraif74p64v@xxxxxxxxxxx

Re: One Gateway, Two Networks

In article

<uyNERcqQGHA.1096@xxxxxxxxxxxxxxxxxxxxxx>, "John"
<JohnSickOfSpam@xxxxxxx> wrote:

Hi there,

Can anyone
point me
towards a
good article
on how to
setup two

separate

networks
from one
broadband
gateway
router?

Background
– I'm
moving to a
shared
office,
where they
already
have a
speedtouch
broadband
gateway
with four
ethernet
ports (and I
think a
dynamic
IP address).
I've been
using a
similar
setup in my
previous
office

with

a
Netgear
DG824M
gateway

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router. Both
of us have
been
sharing our

various

folders on
our
networks,
but now we
we'll be
sharing, I'd
rather set

us

up
so that we
can separate
our two
networks.

So what's
the best
approach?
My
networking
knowledge
is limited so

far

to
basic stuff
(ie I know
what NAT
and POTS
means but
not how to
set it

up)

and
so could do
with some
kind of
walkthrough.

Hope I've

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been clear
with what
I'm trying to
achieve!

Thanks in
advance and
best regards

John

PS – Both
sets of PCs
are using
WinXP
(mine are
Pro, not
sure yet
what
the
other are)

For complete isolation
between the two networks,
while giving Internet
access to the computers on
both networks, use two
more broadband
routers.

Connect the WAN (Internet)
port on each additional
router to a LAN
port on the Speedtouch
gateway router. Connect the
first business'
computers to LAN ports on
the first additional router.
Connect the
second business' computers
to LAN ports on the second
additional
router.

Thanks to you and Doug for your help. Are
you able to point me towards

a

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product & walkthrough that would take me through it?

Thanks again

John

You're welcome, John. The setup is simple. Any broadband router sold at computer and office supply stores for home and small office use will be fine. Connect everything as I said above. Make sure that the two new routers use a different IP subnet than the old router. For example, if the old router uses 192.168.1.x, configure the new routers to use 192.168.0.x.

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Best Wishes,
Steve Winograd, MS-MVP (Windows Networking)

Please post any reply as a follow-up message in the news group for everyone to see. I'm sorry, but I don't answer questions addressed directly to me in E-mail or news groups.

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<http://mvp.support.microsoft.com>