

Re: SBServer & DHCP

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- *From:* John F Kappler <johnk@xxxxxxxxxxxxxxxx>
 - *Date:* Wed, 23 Aug 2006 15:02:59 +0100
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Thanks for the replies, and the tips about leaving a few addresses on the Router plus the reserved addresses.

I'll try and changeover on Friday (can't get the router to work at the mo. but I'm sure it's just a setting somewhere. Off to RTFM now!)

Thanks again,

JohnK

p.s. VPN is next week's challenge!

On Wed, 23 Aug 2006 13:09:09 +0100, Joe <joe@xxxxxxxxxxxxxxxx> wrote:

John F Kappler wrote:

(If this post should be in a different group, pls feel free to refer me there!)

Our SBServer is our first server and we migrated to it from a peer-to-peer network of static and mobile PCs, plus various routers, wireless access points and other network boxes.

In the peer-to-peer network, everything that needed it was given a static IP address, as this seemed to be the fastest way to get it all working when a new device was installed (the network grew like Topsy!).

However, to help the mobile users we're now planning on changing their Network Adaptors TCP/IP settings to use Get an IP Address Automatically.

I'm therefore assuming that we use the DHCP service on the SBServer to issue these IP addresses.

Our SBServer is setup with two network cards, the one on the LAN side being set at xxx.yyy.0.251, the one on the External side being set at

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xxx.yyy.1.251.

Two questions therefore arise:

1) I assume I need to tell the SBServer DHCP service the range of IP addresses it may issue from (and also check that it is turned on!). What is the easiest way of finding these controls?

Server Management, Advanced, Computer Management, Services.

2) On the external adaptor, there hangs a router and two modems. All of these have DHCP facilities. Apart from setting the devices own IP addresses, I assume I need to turn off the DHCP capability on all three devices?

The router and SBS external NIC will have static IPs of course, but it's recommended that the router DHCP be turned on, with a small pool of addresses. Visitors' laptops can be plugged in there to give them Internet access without access to your LAN, and DHCP makes it much easier.

I'm fairly confident that I know understand this part of networking, but confirmation would be most welcome. I need to make the changes as seamlessly as possible and a little re-assurance would be good.

Make sure you get *everything*, including any directly networked printers, etc.

Where you do need to set static IPs, make sure the DHCP pool either does not overlap them or that reservations are set for them. The latter is a better idea, as the reservations provide documentation of these IPs and hardware addresses, which might not exist anywhere else.

If users connect in by VPN, addresses from the main LAN pool will be used, so do not be tempted to reduce the default pool size to correspond to the number of nodes you actually have. Two addresses for each VPN link will be needed, and will normally be reserved at boot time. Ten addresses are the default for VPN, and this is why DHCP will show the SBS as using them.