



That's fine.

The network performs faultlessly with all clients able to login to SBS, access server shares, browse companyweb and access the Internet. At intervals ranging from 1 to several hours a fault will occur resulting in all clients, and server, being unable to ping each other – this happens simultaneously across the network. They can however ping the router and ISP. This results in clients being unable to log on to SBS, access their network shares, or (except for the server) use the Internet. A router reboot will restore the network until the next fault condition.

When this happens, can they ping the server by IP address? Name resolution is a secondary issue. The ipconfig you mention below will help sort this out, note.

What do you see in the event logs?

Have you tried another router?

Colleagues have suggested that my topology will not work quoting issues with NAT. My suggestion of upgrading to small office hardware, such as a Cisco wireless router, was also met with hesitation.

I don't see what NAT has to do with this. NAT is provided by your router....it has nothing to do with your LAN-connected devices.

My network knowledge is not strong and I'm consequently considering their suggestion of moving to a two NIC server, with a second wireless router, and using two subnets – one subnet for the internal LAN and the other for the public WAN.

Why? That sounds like a case of adding \*more\* complexity to something that is already having problems, which strikes me as a bad idea.

Can my current topology work, if so what could be configured incorrectly. If this topology cannot work, why not? If I move to the suggested 2 NIC solution, with a second similar wireless router, will that resolve the issue?

Highly doubtful.

The server is currently isolated from the network so client machines

Re: Wireless Network Issue – SBS2K3 – Configuration and / or Topology

can use the Internet reliably.

What does that mean? I thought this was a lab!

The router is providing dynamic DHCP and the fault does not occur. I conclude that no hardware faults or wireless hardware incompatibilities are contributing to the issue affecting the network when the server is included.

Posting ipconfig will require reintroduction of the server to the network which I can do tomorrow if requested.

Yes, do...from a workstation & the server.

If you're going to use wireless, get a better wireless access point (again, I'm a fan of Sonicwall) and I still suggest you \*not\* use it for all your workstations, and definitely not your server. Save it for the occasional laptop. It's just so much more reliable to use wired ethernet.

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