

## Re: Internet Access / Server Connectivity Setup

**Source:**

<http://www.tech-archive.net/Archive/Win2000/microsoft.public.win2000.networking/2004-07/1756.html>

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Unless you have multiple IP addresses from your ISP, there is no need to use multiple nic cards on your computers. Just buy a router that is also a SPI firewall and don't rule out a wireless one if you think you may want to use wireless. You can disable the wireless ability in the mean time. Then use the ports on the router to connect to each one of your computers which will give them internet access and access to each other. I would disable the dhcp on the router as it will interfere with proper Active Directory configuration. Keep in mind that in Active Directory, domain computers must point to only your domain controller as their preferred dns server which can provide internet name resolution for them by configuring a forwarder or using root hints. If you want to spend a little more money, there are really good buys on Ebay for a real firewall such as the SonicWall SOHO3 and the NetScreen 5XP which can usually be purchased for around \$200. For a high performance switch, there are lots of HP Procurves such as the 2512 and 2524. I bought a new Procurve 2512 for under \$200. It can do port isolation, vlans, restrict port access by mac address, 802.1x authentication, web interface to view status, and a whole lot more. Good luck. ---  
Steve

"Steve" <wormuth@hotmail.com> wrote in message news:4100996f\$1\_4@127.0.0.1...

> *Good Day,*

>

> *Since computer hardware (especially used) has become so cheap, I am setting*

> *up a series of small servers for my home. I am using rack chassis and a*

> *small 11U frame which I will build using standard rack rails. I am thinking*

> *of four servers;*

>

> *Standard Server (DNS, AD Global Catalog, DHCP, WINS)*

> *File Server (Shares, Files)*

> *Communications Server (Web, Usenet, Mail, Intranet, FTP)*

> *Network Support Server (RIS, Etc...)*

>

> *This should allow me to free up the really good hardware which I can tear*

> *down and rebuild at will (upgrades for games, etc...), while being anal*

> *retentive with the servers for the important stuff. We all know the*

> *benefits of plugging in a new machine and having the user accounts already*

> *existing, group policy automatically configure the PC, etc...*

>

> *So the questions...*

- >
- > *I need recommendations for a good inexpensive hardware-based firewall*
- > *solution, and advice on setting up the connectivity in the network. I was*
- > *thinking something like this.*
- >
- > *All motherboards will have a built-in 10/100 LAN port, and I will install an*
- > *additional LAN card with WOL in each. I was going to buy a 4-port hardware*
- > *router with NAT to connect to the cable modem. I would connect each*
- > *on-board LAN controller to a port on the router so each system has direct*
- > *internet access, and connect the WOL LAN cards to a patch panel for the*
- > *network connectivity.*
- >
- > *Is this stupid? Should there be only one access point for the internet?*
- > *Will the routers DHCP screw with Windows 2000 Advanced Server?*
- >
- > *So many questions, so little time... LOL*
- >
- > *TIA*
- > *Steve*
- >
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