

## RE: DHCP for Simple Security

**Source:**

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.networking/2004-04/0062.html>

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Date: Wed, 31 Mar 2004 15:39:01 -0800

"=?Utf-8?B?ZnJlZA==?=" <[anonymous@discussions.microsoft.com](mailto:anonymous@discussions.microsoft.com)> wrote in [news:57E39A5C-8293-43C4-BE07-6A0632B156CB@microsoft.com](mailto:news:57E39A5C-8293-43C4-BE07-6A0632B156CB@microsoft.com):

- > *Let me provide more detail on the problem.*
- >
- > *We have many offices. Each office has a LAN. All of our switches were*
- > *acquired over the last 5 years. Most do NOT support 802.1x.*
- >
- > *My concern is not over wireless access. Our culture embodies an open,*
- > *trusting, atmosphere that is occasionally at odds with a secure IT*
- > *infrastructure. (Thus I do not wish to disclose my firms name.) We*
- > *have outside technicians and sales people who entire our facilities*
- > *with LAP top computers. Realistically we cannot stop this practice.*
- > *Occasionally these outsiders will plug into one of our LANs. I believe*
- > *we have been victimized by at least one Worm that attacked our systems*
- > *without using Windows Authentication. (Our firewall would prevent such*
- > *attacks.) As in most medium to large IT environments we use DHCP to*
- > *supply IP addresses to client machines. We could easily update all of*
- > *our clients to have a unique User-Defined Class in IPconfig. If*
- > *Microsoft DHCP server would support IP assignment by User-Defined*
- > *Class we could tighten our security by giving IP access only to*
- > *company owned clients. To facilitate the legitimate sales presentation*
- > *we would add a wireless access router/switch to each of our conference*
- > *rooms. These routers would be connected outside our firewall to allow*
- > *Internet access. I agree that this security enhancement is vulnerable*
- > *to a direct hostile attack. However I believe it sufficient to protect*
- > *against general attacks such as we have seen over the last year. It*
- > *would seem that a DHCP server could easily provide this sort of*
- > *"security". Fro*