

# Securing DHCP Server

**Source:**

[http://www.tech-archive.net/Archive/Win2000/microsoft.public.win2000.file\\_system/2004-05/0394.html](http://www.tech-archive.net/Archive/Win2000/microsoft.public.win2000.file_system/2004-05/0394.html)

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Forgive the X posting but I wanted to cover as many bases as possible with this.

I have a DHCP Server set up on a Windows 2000 Server.

In order to have the best of both worlds (ie have the security and auditing of Static addresses in cases of virus infection or abuse but the convenience of setup and ability to recoup address from leaving clients), I have set it up to have no "pool" of addresses and 100% either blocked or reserved by MAC address(the clients have to send me the MAC address which I register against an IP address).

What I have found is that if a rogue machine is put on the network(for example if someone forgets to register their MAC address or just ignores the need), particularly a 2000/XP one, the DHCP Server will assign it an address even though there are supposedly none to be assigned. What I have found happening is that it assigns one of the reserved addresses that is currently inactive(because the pc is temporarily off the network), and of course as soon as that client goes back on the network and tries to use the address, they get an IP conflict at best and more likely just a lock on usage.

Has anyone seen this or got a fix for it?

Rob

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