

## Re: Secure Server & Services

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Hi,

For now, there is no easy solution to prevent DHCP server issuing IPs to non domain clients. This is usually a problem when clients come in the office and want to plug their computer into your LAN. If you are worried about attacks well you should be. Even without DHCP it is pretty easy to figure out what IPs you use on your LAN. E.g. if you use Exchange mail server I can look in header of any e-mail from your organization and find out on what IP your Exchange server is running)... Now I can pretty much guess what IP I have to set manually to get access to your LAN and Internet even without DHCP.

There are few things you can do.

If you only want to prevent access to internet and you don't have problem with customers browsing your LAN setup a proxy (e.g. ISA server). You can setup ISA in a way that would require every user to authenticate themselves before they are granted access to the internet (user need a valid account in domain or some other database).

If you also want to prevent access to LAN first thing you can do, don't patch all network outlets to network backbone. Even if someone comes to your office and plugs his computer with his own cable to the network outlet he/she still won't have any access to the network.

Next thing you can do is port authentication (IEEE 802.1x). This is probably not the cheapest solution since you need switches that support IEEE 802.1x. Next thing you need are clients that are Windows 2000 SP4 or newer. Once the client connects to the network they have to present authentication parameters (username and password) and these are checked against e.g. Active Directory (using IAS – RADIUS)...

You could also setup IPSec policy for your domain. This would prevent any computer that is not part of domain to communicate with other members of domain since Kerberos is used for IPSec authentication.

Even if virus infected computer comes to your office and it is not part of your domain other computers will discard any connection from this computer since it doesn't use IPSec...

I hope this helps,

Mike

"BOFH" <john.hamilton70@ntlworld.com> wrote in message  
news:2pdlc1Fjhe24U1@uni-berlin.de...

> *I have DHCP on the server, it issues addresses to non-domain computers  
too,*

> *which allows them use of the internet. I wish to block this.*

>

> *I have heard the term 'Domain Verification'...what is it and what can it  
do*