

## Setting up XP+IAS+Auto-enrollment wireless LAN?

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**From:** Al Blake (*al\_at\_removethistext.blakes.net*)

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Environment: Windows 2003 Native AD LAN  
12 Windows 2003 servers, including IAS running on W2k3 Enterprise  
600 Windows XP SP2 laptops/desktops.

Proposal: Provide seamless, secure wireless connectivity for 250+ XP SP2 Laptops through Cisco 1200 APs.

I have searched around for as much information as I can on technet/MSDN regarding setting up wireless LANs and securing them using auto-enrolled certificates from a certificate server....but I am getting confused with terminology and where I need to go next. Most of the white papers and examples seem to relate to smartcard setup – which we are not doing.

So far I have configured a test OU in my AD and placed a single laptop in there. I have rebooted the laptop and it gets issued with a certificate automatically which is exactly what I want to happen. Questions:

- a) The example I had told me to use a 'User certificate' template to autoenrol the machine. Is this correct or should I have created a copy of a 'computer' certificate and used that on the machine OU (is there any difference between a computer certificate and a user certificate in Windows Certificate services).
- b) If we are going to use the autoenrolled certificates as the basis for security in our WLAN setup do we need to auto-enrol certificates for users AND computers? (ie should the user OU and the computer OU be setup to issue certs?)
- c) What next? Once I have got certificates automatically issued for the user and/or the computer how do I setup the whole thing so that the Access points use them? I have configured the access points to use my IAS server as radius for authentication and know that is working from the point of view of authenticating my telnet login to the AP....but what do I need to tell them to use the certs?
- d) Can someone confirm whether we still need WEP if we are using EAP?

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e) What do we need to setup on the IAS server to support EAP?

I am sorry this is so vague but I thought I had it sorted for a while and then just got more confused with all the terminology and options. If anyone can point me at a white paper 'setting up IAS to support EAP and autoenrolled certificates' I would really appreciate it!

Regards  
Al Blake, Canberra, Australia