

## Re: 802.1x wireless lan how to?

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- *From:* "Dave Nickason [SBS MVP]" <[gwdibble@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:gwdibble@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Wed, 8 Mar 2006 17:39:25 -0500
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OK, I got it working as Owen describes. The short story:

- Configured ISA to allow certificate auto enrollment
- WPA ? WPA2 - switched everything to WPA with TKIP instead of having some set for WPA with AES and some WPA2 with AES.

I still can't believe MS has not released a GPO extension to use WPA2, which is now required for all hardware that's "wi-fi certified." I can't escape the idea that I must be wrong about this, but if there is one, I sure can't find it anywhere.

"Dave Nickason [SBS MVP]" <[gwdibble@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:gwdibble@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)> wrote in message [news:uOqXDcvOGHA.5924@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:uOqXDcvOGHA.5924@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

I'm in the middle of the same thing. Two things: Are you sure your wireless client PC is getting the certificate from the server using auto enrollment? Is this SBS Standard or Premium - I just got ISA 2004 to allow certificate auto enrollment after a couple of days of battle. You'll see an app log failure at system startup (relating to rpc) if auto enrollment is failing. If it's succeeding, you should be able to view it in Certificates. On the client PC, open it in the mmc as Owen's doc describes, and look for the certificate in the same place (personal).

Secondly, the GPO does not support WPA2. You need to use WPA with AES if everything supports it, or WPA with TKIP otherwise. I ran into an issue choosing WPA2 with AES on the access point, while the GPO was pushing out WPA with AES to the laptop. My access point does not support WPA with AES, so the laptop was not connecting to the AP.

Assuming you've got everything set to WPA and your shared secrets match, etc. look in the IAS log to see if the WAP is connecting to the RADIUS

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server. I think Owen's paper is incorrect and IAS logging is enabled by default, but if there's no log there, just enable logging using his instructions and restart the AP to see if it connects. That'll rule out the AP and IAS, leaving something on the client PC (and therefore in the GPO that's making the settings on the client PC). The log will be something like C:\WINDOWS\system32\LogFiles\IN060306.log.

BTW, it seems that if you have a certificate issue while everything else is working OK, the client PC will give you a clear error indicating that when it tries to connect.

I'm off to try this again now that I've got cert auto enrollment working. If you're having an ISA 2004 issue with this post back and I'll give you the details. If it doesn't work, I'm going for the admin companion book and I'll let you know what I find that differs from Owen's article. As for Owen's doc, so far I've found him to be right on the money. My problems have been with ISA 2004, which was released for SBS after he wrote the article, and my own error in using WPA and WPA2 interchangeably when, at least in the case of my AP, they are not interchangeable.

"Gary V." <salarmy@xxxxxxxxxxxx> wrote in message  
[news:1141783641.488455.136480@xx](mailto:news:1141783641.488455.136480@xx)

I have tried a how to from W. Owen Williams, Jr. and tried hansenonline.net guild. The first used Certificate and the other used PEAP, Both never authenticate to the domain. My AP can do all kinds of Radius, WPA, WPA2, AES, and TKIP, as do the wireless cards. I have tried computer groups and user groups. The Group Policy pushed the SSID/Lan settings to the computer fine, then a restart and the wireless does not connect. I CAN'T GET IT TO WORK! Installing SBS is way easier than this.

Does anyone have a guild that they have got to work? I do not have the admin companion for sbs 2003 chap 15, however if I can't get anything else to work and someone can assure me that that works 100% then I'll buy it myself. (My work does not think I need another computer book)

Please Help,  
and Thank You for your time  
Gary V.