

# Re: 802.1x Authentication

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*Source:*

<http://www.tech-archive.net/Archive/Internet/microsoft.public.internet.radius/2005-08/msg00033.html>

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- *From:* "nedasima" <[nedasima@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:nedasima@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Tue, 9 Aug 2005 08:44:17 -0700
- 

I have any questions:

When I select "Smart Card or other Certificate" and I clic "Configure" button, appear the message "A Certificate could not be found that can be used with this EAP"; so I think IAS server do not have a certificate. How can I get one? If I use a certificate, is only for the supplicant and the IAS? What happen with the switch?

If I can not use MD5 because w2k/xp supplicant do not support it neither PEAP and Smart Card or other Certificate because IAS server do not have a Certificate, what EAP type must I select when I check "Using 802.1x" on the supplicant (in "Authentication" tab on "LAN Properties"), because when I ckeek it I have three options only: PEAP, MD5 and Other Certificate? How I configure MS-CHAPv2 both on the supplicant and the IAS? If switch uses EAPOL, is correct do not using EAP on IAS?

Users are domain users.

I tested the format domain\user with the same result.

Thanks for your help.

Regards.

--  
nedasima

"Wei Zheng [MSFT]" wrote:

- > But on IAS server, you can configure it to use MD5. However, I don't think
- > Microsoft 802.1x supplicant supports MD5, I would feel wired if you can use
- > MD5, although MD5 is available for VPN client.
- >
- > So this means if you are using 802.1x, you can't use MD5.
- >
- > Your IAS server must have a certificate. To see whether you have one, please
- > do the following: (assume you configure IAS to use EapTls for now)
- >

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- > ias.msc --> double click "Remote Access Policies" on the left pane -->
- > double click the policy that you want to configure in the right pane -->
- > "Edit Profile" button --> "Authentication" tab --> "EAP methods"
- > button -->select "Smart Card or other certificate" --> "Edit" button, you
- > should see "Certificate issued to" text box, and your computer name should
- > be in that text box.
- >
- > Without a certificate issued to your server, you can't do EapTls or PEAP.
- > However, you will be able to use MSCHAP v2.
- >
- > Switch will send the identity request packet to 802.1x client, which will
- > bring up the UI if needed (and if you choose to use EAP method, it is the
- > EapMethod decide whether to bring up the UI, however, it will still be the
- > 802.1x client that brings up the UI.
- >
- > What is the user you are trying to authenticate? A domain user? Or a local
- > user on the IAS server? Try using such format:
- > xxxxx\yyyy, where xxxx is the domain or computer name (for local user), and
- > yyyy is the user name.
- >
- > However, if you are really using "MD5", something is wrong. Microsoft 802.1x
- > doesn't support MD5.
- >
- > Let me know if you need more help.
- >
- >
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- > "nedasima" <nedasima@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message
- > <news:02EDF550-C78A-48A1-A9CE-34C366F050D8@xxxxxxxxxxxxxxxxxxxx>
- >> Other thing: When on the supplicant (w2k) and on IAS I selected EAP with
- >> MD5-Challenge, I was prompted for my username and password, but neither I
- >> connected, and IAS log said "username unknown or password unknown".
- >>
- >> Who do prompt me: switch, IAS or the 802.1x client on the supplicant?
- >>
- >> Regards.
- >> --
- >> nedasima
- >>
- >>
- >> "Wei Zheng [MSFT]" wrote:
- >>
- >>> Hi,
- >>> First, let me answer a question you asked in your first post: EAPOL can

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>>> use  
>>> PEAP for authentication. They are different things.  
>>>  
>>> Second, to answer your question in your last post, is your IAS server  
>>> provisioned with certificate?  
>>>  
>>> Thx.  
>>>  
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>>> This alias is for newsgroup purposes only.  
>>> =====  
>>> "nedasima" <nedasima@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message  
>>> [news:82C37BFD-5F27-4498-AE5C-A9C823A3B558@xxxxxxxxxxxxxxxxxxxx](mailto:news:82C37BFD-5F27-4498-AE5C-A9C823A3B558@xxxxxxxxxxxxxxxxxxxx)  
>>> > Shared secret key is the same on both the switch and IAS; I type it  
>>> > again,  
>>> > but now the error message is: "Could not retrieve the Remote Access  
>>> > Server's  
>>> > certificate to the following error: Cannot find object or property". On  
>>> > the  
>>> > supplicant xpsp2 I use PEAP and on IAS I have checked EAP with PEAP and  
>>> > MS-CHAP, MS-CHAPv2, CHAP and PAP-SPAP.  
>>> >  
>>> > Regards.  
>>> >  
>>> > --  
>>> > nedasima  
>>> >  
>>> >  
>>> > "Thomas K" wrote:  
>>> >  
>>> >> Hey,  
>>> >>  
>>> >> Double check the radius shared secret key on both the switch & IAS.  
>>> >>  
>>> >> Cheers,  
>>> >>  
>>> >> /T  
>>> >>  
>>> >> "nedasima" <nedasima@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message  
>>> >> [news:CA0D003B-1E4D-4405-AADC-AE23DC96956C@xxxxxxxxxxxxxxxxxxxx](mailto:news:CA0D003B-1E4D-4405-AADC-AE23DC96956C@xxxxxxxxxxxxxxxxxxxx)  
>>> >> > Hi. I'm trying to set up 802.1x authentication. I have a switch  
>>> >> > Catalyst  
>>> >> > Cisco 2950 series and I'm using IAS on Windows 2000 Server, but the  
>>> >> > supplicant (XPSP2) can not to access to the network, although switch  
>>> >> > prompts

