

# Re: Vista wireless using IAS and WPA-Enterprise

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*Source:*

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.networking/2007-07/msg00254.html>

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- *From:* Paul Mckenna <[JazzyJ187@xxxxxxxxxxxxxxxxxxxx](mailto:JazzyJ187@xxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Wed, 18 Jul 2007 05:44:01 -0700
- 

Thanks for your suggestion.

I've tried turning off autotuninglevel on the Vista machines but with no joy, I've also looked at the KB articles none of which seem to relate to the problem i'm having but i've tried the suggestions, Still nothing.

Just to recap when using any 3Com Access Point with a windows Vista client the 3com access point sends data to the IAS server to say it wants to use EAP (even though vista is configured to use PEAP) authentication, with an XP client the 3com box sends it want to use PEAP authentication. If i enable EAP-TLS authentication on IAS and install a user certificate on the Vista machine and set Vista to use a certificate to log in, the connection works but it's a lot of hassle maintaining and installing certificates for each user, i would much rather use PEAP.

Regards

Paul Mckenna

""Ken Zhao [MSFT]"" wrote:

Hi Paul,

Based on my research, if the problem only occurs on Windows Vista machines, I suggest you perform the following steps on the Vista machines:

1£@Click Start , click All Programs, click Accessories, and then click Command Prompt.

2£@At the command prompt, type the following command, and then press ENTER:  
netsh interface tcp set global autotuninglevel=disabled

This command disables the Receive Window Auto-Tuning feature.

3£@Try to make a non-HTTP network connection.

Note: If the connectivity problem is resolved, contact the manufacturer of the firewall device for steps to correct the issue.

4£@At a command prompt, type the following command, and then press ENTER:  
netsh interface tcp set global autotuninglevel=normal

This command enables Receive Window Auto-Tuning again so that you can take advantage of the network throughput performance increase it provides.

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Also I found there are new KB articles already described for this issue and give the workaround.

934430: Network connectivity may fail when you try to use Windows Vista behind a firewall device

<http://support.microsoft.com/kb/934430>

929868: A Web site sends data very slowly or drops the data completely when you use Windows Vista Enterprise

<http://support.microsoft.com/kb/929868>

935400: It takes a very long time to download an e-mail message from a POP3 server in Outlook 2007

<http://support.microsoft.com/kb/935400>

Hope that helps!

Thanks & Regards,

Ken Zhao

Microsoft Online Support  
Microsoft Global Technical Support Center

Get Secure! – [www.microsoft.com/security](http://www.microsoft.com/security) <<http://www.microsoft.com/security>>

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| Thread-Topic: Vista wireless using IAS and WPA-Enterprise  
| thread-index: AcfIWYuctoKjZd5iSS+80+2oiJEvyg==  
| X-WBNR-Posting-Host: 207.46.19.197  
| From: =?Utf-8?B?UGF1bCBNY2tlbm5h?=<JazzyJ187@xxxxxxxxxxxxxxxx>  
| References: <CB717348-F026-42B2-BED0-6AD0DAF42784@xxxxxxxxxxxxxxxx>  
<OvXp5E9xHHA.404@xxxxxxxxxxxxxxxx>  
<EB1DC5EB-D1C7-43D2-943E-755251B9E8B5@xxxxxxxxxxxxxxxx>  
<uE4PtN\$xHHA.5068@xxxxxxxxxxxxxxxx>  
<44117B87-F9C9-40F4-9597-753F965AB39E@xxxxxxxxxxxxxxxx>  
<i#i1t7ByHHA.5836@xxxxxxxxxxxxxxxx>  
| Subject: Re: Vista wireless using IAS and WPA-Enterprise  
| Date: Tue, 17 Jul 2007 03:02:12 -0700  
| Lines: 217  
| Message-ID: <5ED8C7EE-1A2C-42BE-BB12-A9858AD4B819@xxxxxxxxxxxxxxxx>  
| MIME-Version: 1.0

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| Content-Type: text/plain;  
| charset="Utf-8"  
| Content-Transfer-Encoding: 7bit  
| X-Newsreader: Microsoft CDO for Windows 2000  
| Content-Class: urn:content-classes:message  
| Importance: normal  
| Priority: normal  
| X-MimeOLE: Produced By Microsoft MimeOLE V6.00.3790.2826  
| Newsgroups: microsoft.public.windows.server.networking  
| Path: TK2MSFTNGHUB02.phx.gbl  
| Xref: TK2MSFTNGHUB02.phx.gbl  
microsoft.public.windows.server.networking:5830  
| NNTP-Posting-Host: tk2msftsbfm01.phx.gbl 10.40.244.148  
| X-Tomcat-NG: microsoft.public.windows.server.networking

| Hi,

| Thanks for your suggestion I've tried this and it makes no difference, I  
| tried setting it to various numbers 1344,1000,64,128 none made any  
| difference. I have since found out that using another make Access Point  
| rather than 3Com and Vista will connect but all 3Com access points i've  
| tried work fine with XP but not with Vista.

| I'm not sure what else to try.

| Regards  
| Paul Mckenna

| ""Ken Zhao [MSFT]"" wrote:

| > Hello Paul,

| >

| > Thank you for using newsgroup!

| >

| > From your post, I'd like to suggest you try to reduce the EAP packet  
size

| > of a Remote Authentication Dial-In User Service (RADIUS) server. You  
can do

| > this by using the Framed-MTU attribute in Internet Authentication  
Services

| > (IAS) of a Microsoft Windows Server 2003-based computer. For more  
detailed

| > steps, please refer to:

| > 883389: How to reduce the EAP packet size by using the Framed MTU  
attribute

| > in Windows Server 2003

| > <http://support.microsoft.com/default.aspx?scid=kb;EN-US;883389>

| >

| > Thanks & Regards,

| >

| > Ken Zhao

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|>  
|> Microsoft Online Support  
|> Microsoft Global Technical Support Center  
|>  
|> Get Secure! – [www.microsoft.com/security](http://www.microsoft.com/security)  
<<http://www.microsoft.com/security>>  
|> =====  
|> When responding to posts, please "Reply to Group" via your newsreader  
so  
|> that others may learn and benefit from your issue.  
|> =====  
|> This posting is provided "AS IS" with no warranties, and confers no  
rights.  
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|> -----  
|> | Thread-Topic: Vista wireless using IAS and WPA-Enterprise  
|> | thread-index: AcfH9YDU6jOQn/+xSL2/iOe71K2ZoQ==  
|> | X-WBNR-Posting-Host: 207.46.193.207  
|> | From: =?Utf-8?B?UGF1bCBNY2tlbm5h?= <JazzyJ187@xxxxxxxxxxxxxxxx>  
|> | References: <CB717348-F026-42B2-BED0-6AD0DAF42784@xxxxxxxxxxxxxxxx>  
|> | <OvXp5E9xHHA.404@xxxxxxxxxxxxxxxx>  
|> | <EB1DC5EB-D1C7-43D2-943E-755251B9E8B5@xxxxxxxxxxxxxxxx>  
|> | <uE4PtN\$xHHA.5068@xxxxxxxxxxxxxxxx>  
|> | Subject: Re: Vista wireless using IAS and WPA-Enterprise  
|> | Date: Mon, 16 Jul 2007 15:06:04 -0700  
|> | Lines: 115  
|> | Message-ID: <44117B87-F9C9-40F4-9597-753F965AB39E@xxxxxxxxxxxxxxxx>  
|> | MIME-Version: 1.0  
|> | Content-Type: text/plain;  
|> | charset="Utf-8"  
|> | Content-Transfer-Encoding: 7bit  
|> | X-Newsreader: Microsoft CDO for Windows 2000  
|> | Content-Class: urn:content-classes:message  
|> | Importance: normal  
|> | Priority: normal  
|> | X-MimeOLE: Produced By Microsoft MimeOLE V6.00.3790.2826  
|> | Newsgroups: microsoft.public.windows.server.networking  
|> | Path: TK2MSFTNGHUB02.phx.gbl  
|> | Xref: TK2MSFTNGHUB02.phx.gbl  
|> | microsoft.public.windows.server.networking:5812  
|> | NNTP-Posting-Host: tk2msftsbfm01.phx.gbl 10.40.244.148  
|> | X-Tomcat-NG: microsoft.public.windows.server.networking  
|> |  
|> | again I Appreciate your response but this works with XP, XP sends the  
|> | message  
|> | to IAS that it wants to use PEAP authentication where as Vista sends  
the

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|> | message to use EAP (which is not configured and is not something i  
want  
|> to  
|> | use) even though Vista is configured to use PEAP.  
|> | So although these error message will probably help with someone who  
wants  
|> to  
|> | use EAP-TLS without having properly configured it. They don't really  
shed  
|> any  
|> | light on my problem.  
|> |  
|> | Thnaks again  
|> |  
|> | Regards  
|> | Paul  
|> |  
|> |  
|> | "Robert L [MVP - Networking]" wrote:  
|> |  
|> |> Or this post:.  
|> |>  
|> |> IAS Reason-Code = 22 and 97  
|> |> <http://chicagotech.net/netforums/viewtopic.php?t=1063>  
|> |>  
|> |> Bob Lin, MS-MVP, MCSE & CNE  
|> |> Networking, Internet, Routing, VPN Troubleshooting on  
|> |> <http://www.ChicagoTech.net>  
|> |> How to Setup Windows, Network, VPN & Remote Access on  
|> |> <http://www.HowToNetworking.com>  
|> |> "Paul Mckenna" <JazzyJ187@xxxxxxxxxxxxxxxxxxxx> wrote in message  
|> |> <news:EB1DC5EB-D1C7-43D2-943E-755251B9E8B5@xxxxxxxxxxxxxxxxxxxx>  
|> |>  
|> |> Thanks for your quick response, It's my fault i posted the wrong  
|> error  
|> |> message.. The actual failure is  
|> |>  
|> |> User DOMAIN\Paul was denied access.  
|> |> Fully-Qualified-User-Name = domain.local/Technical/Paul Mckenna  
|> |> NAS-IP-Address = 192.168.100.126  
|> |> NAS-Identifier =  
|> |> Called-Station-Identifier = <not present>  
|> |> Calling-Station-Identifier = <not present>  
|> |> Client-Friendly-Name = 3com  
|> |> Client-IP-Address = 192.168.100.126  
|> |> NAS-Port-Type = Wireless - IEEE 802.11  
|> |> NAS-Port = 29  
|> |> Proxy-Policy-Name = Use Windows authentication for all users  
|> |> Authentication-Provider = Windows  
|> |> Authentication-Server = <undetermined>  
|> |> Policy-Name = VPN

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|> |> Authentication-Type = EAP  
|> |> EAP-Type = <undetermined>  
|> |> Reason-Code = 22  
|> |> Reason = The client could not be authenticated because the  
|> Extensible  
|> |> Authentication Protocol (EAP) Type cannot be processed by the  
server.  
|> |>  
|> |> For more information, see Help and Support Center at  
|> |> <http://go.microsoft.com/fwlink/events.asp>.  
|> |>  
|> |> It seems to be that Vista is sending that it wants to use EAP  
even  
|> though  
|> |> it's configured to use PEAP.  
|> |>  
|> |> "Robert L [MVP - Networking]" wrote:  
|> |>  
|> |> > I would double check the remote Access Policy. This post may  
help,  
|> |> >  
|> |> > IAS Reason-Code = 65  
|> |> >  
|> |> > <http://www.chicagotech.net/netforums/viewtopic.php?p=1711#1711>  
|> |> >  
|> |> > Bob Lin, MS-MVP, MCSE & CNE  
|> |> > Networking, Internet, Routing, VPN Troubleshooting on  
|> <http://www.ChicagoTech.net>  
|> |> > How to Setup Windows, Network, VPN & Remote Access on  
|> <http://www.HowToNetworking.com>  
|> |> > "Paul Mckenna" <JazzyJ187@xxxxxxxxxxxxxxxxxxxx> wrote in message  
|> <news:CB717348-F026-42B2-BED0-6AD0DAF42784@xxxxxxxxxxxxxxxxxxxx>  
|> |> > Hi,  
|> |> >  
|> |> > I've got a problem with Vista not connecting to our wireless  
|> network,  
|> |> > Everything works great with XP but on Vista although Vista is  
|> configured to  
|> |> > use PEAP i get this error message on the server when the  
Vista PC  
|> try to  
|> |> > connect...  
|> |> >  
|> |> > User host/Paul07.domain.local was denied access.  
|> |> > Fully-Qualified-User-Name = domain.local/Computers/PAUL07  
|> |> > NAS-IP-Address = 192.168.100.126  
|> |> > NAS-Identifier =  
|> |> > Called-Station-Identifier = <not present>  
|> |> > Calling-Station-Identifier = <not present>  
|> |> > Client-Friendly-Name = 3com

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|> |> > Client-IP-Address = 192.168.100.126  
|> |> > NAS-Port-Type = Wireless - IEEE 802.11  
|> |> > NAS-Port = 29  
|> |> > Proxy-Policy-Name = Use Windows authentication for all users  
|> |> > Authentication-Provider = Windows  
|> |> > Authentication-Server = <undetermined>  
|> |> > Policy-Name = Connections to other access servers  
|> |> > Authentication-Type = EAP  
|> |> > EAP-Type = <undetermined>  
|> |> > Reason-Code = 65  
|> |> > Reason = The connection attempt failed because remote access  
|> permission for  
|> |> > the user account was denied. To allow remote access, enable  
|> remote access  
|> |> > permission for the user account, or, if the user account  
|> specifies that  
|> |> > access is controlled through the matching remote access  
policy,  
|> enable remote  
|> |> > access permission for that remote access policy.  
|> |> >  
|> |> > For more information, see Help and Support Center at  
|> |> > <http://go.microsoft.com/fwlink/events.asp>.  
|> |> >  
|> |> > At the moment IAS is only configured to accept PEAP  
|> authentication, If i  
|> |> > enable EAP (Which i don't want to use) i get this message..  
|> |> >