

# 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/msg00253.html>

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- *From:* [v-kzhao@xxxxxxxxxxxxxxxxxxxxxxxx](mailto:v-kzhao@xxxxxxxxxxxxxxxxxxxxxxxx) ("Ken Zhao [MSFT]")
  - *Date:* Wed, 18 Jul 2007 07:05:48 GMT
- 

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.

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

Re: Vista wireless using IAS and WPA-Enterprise

Microsoft Online Support  
Microsoft Global Technical Support Center

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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  
| 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: tk2msftbfm01.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

Re: Vista wireless using IAS and WPA-Enterprise

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| 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

| >

| > 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.

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| > -----

| > | Thread-Topic: Vista wireless using IAS and WPA-Enterprise

| > | thread-index: AcfH9YDU6jOQn/+xSL2/iOe7lK2ZoQ==

Re: Vista wireless using IAS and WPA-Enterprise

|> | 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  
|> | 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:.

Re: Vista wireless using IAS and WPA-Enterprise

Re: Vista wireless using IAS and WPA-Enterprise

|> |>  
|> |> 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  
|> |> 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,  
|> |> >

Re: Vista wireless using IAS and WPA-Enterprise

|> |> > 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  
|> |> > 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.  
|> |> >

Re: Vista wireless using IAS and WPA-Enterprise

|> |> > 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..  
|> |> >  
|> |> > Because no certificate has been configured for clients  
dialing in  
|> with  
|> |> > EAP-TLS, a default certificate is being sent to user  
domain\paul.  
|> Please go  
|> |> > to the user's Remote Access Policy and configure the  
Extensible  
|> |> > Authentication Protocol (EAP).  
|> |> >  
|> |> > Like i say Vista is configured to PEAP but for some reason  
seems  
|> to be  
|> |> > sending info that it wants to use EAP-TLS  
|> |> >  
|> |> > What am i doing wrong?  
|> |> >  
|> |> > Thanks in advance for any help  
|> |  
|>  
|>  
|