

## Re: NTLM over the Internet

**Source:** <http://www.derkeiler.com/Newsgroups/microsoft.public.inetserver.iis.security/2003-11/0574.html>

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**From:** Karl Levinson [x y] mvp ([levinson\\_k\\_at\\_despammed.com](mailto:levinson_k_at_despammed.com))

**Date:** 11/21/03

Date: Thu, 20 Nov 2003 19:37:50 -0500

I searched the site below:

[http://www.google.com/groups?as\\_q=proxy&as\\_oq=ntlm%20integrated&as\\_ugroup=microsoft.public.inetserver.\\*](http://www.google.com/groups?as_q=proxy&as_oq=ntlm%20integrated&as_ugroup=microsoft.public.inetserver.*)

... which suggests that certain proxy servers just don't support NTLM. You might check with your potential proxy vendor to see if they do [and if they don't, just use basic with SSL]. Keep searching the link above or revise my search or try a similar search in [www.google.com](http://www.google.com) and you may find additional information.

<http://support.microsoft.com/?kbid=264921> [is a little vague on the details, but gives a few other details]

"Marshall" <[anonymous@discussions.microsoft.com](mailto:anonymous@discussions.microsoft.com)> wrote in message news:917A6ABF-20DE-4A72-B6A0-C7337000929F@microsoft.com...

> *Thanks Karl and Sukesh,*

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> *I guess I didn't mention I was already assuming a Windows/IE only user base :) Anyway, my question about the technical details of ntlm being blocked by proxies was geared toward 'things to avoid (proxy configurations) when setting up NTLM internally where proxies will be involved.' I would hate to setup an internal authentication system that couldn't operate properly because of our internal network configuration. Does anyone have any specifics on this or any good references? I've been searching for a while now but haven't been able to get any low-level details. Thanks,*

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> *Marshall*

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> ----- *Karl Levinson [x y] mvp wrote:* -----

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> *It's also not recommended because 1) windows integrated authentication is*

> *NOT securely encrypted, and 2) it only works for IE and only on Windows.*

> *Also, the default settings in newer versions of IE won't send windows*

> *integrated authentication by default to Internet sites.*

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> "Marshall" <mashburnwest@yahoo.com> wrote in message  
> news:BC737A37-8FC0-4373-9DB9-7F1204346C86@microsoft.com...  
> > I've read in a couple of Microsoft articles that ntlm should not be  
used  
> over the internet for authenticating users. The reason given is that  
ntlm  
> relies on 'implicit end-to-end state' so that proxies positioned  
between the  
> client and web server can cause unexpected problems (most notably  
'Access  
> Denied'). I have 2 questions related to this:  
> > 1. Does anyone have any further technical details on exactly what  
> situations would cause problems? I've setup a test server using ntlm  
over  
> the internet, tested from multiple locations (trying to access server  
> through a different path) but cannot produce the error. What proxy  
> configuration would cause this?  
> > 2. If SSL is being used, can ntlm be reliably used (i.e. must  
proxies  
> follow different rules for SSL so that 'implicit end-to-end state'  
would be  
> accomplished)?  
> >> Thanks for any help,  
> >> Marshall  
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