

## Re: Basic Authentication fails with Error 401.2 where Integrated s

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*Source:*

<http://www.derkeiler.com/Newsgroups/microsoft.public.inetsrvr.iis.security/2007-10/msg00075.html>

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- *From:* Jude Fisher <[JudeFisher@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:JudeFisher@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Fri, 26 Oct 2007 01:23:02 -0700
- 

Roger,

Yes, to restate the setup is as follows:

Test directory with simple static test page in it.

On the IIS directory security tab, anonymous access is disabled, digest authentication is disabled, integrated authentication is disabled and basic authentication only is enabled. The two text boxes at the bottom (domain and realm) are empty.

On the windows explorer security dialog for the folder, the test user account created has full permissions for the folder and the file that's in it.

I've tested that the user account can log on through remote desktop connection and once logged on can open that directory and file using windows explorer, so the NTFS permissions seem to be OK.

I then try to access the static page using internet explorer (either from my remote machine or on the server via remote desktop). I've also tested with firefox and safari. In all cases I get the same result. A windows security dialog box pops up. I've tried entering every combination of COMPUTERTNAME\USER I can think of, prepending the workgroup (this computer isn't part of a domain) instead of the computername etc. The dialog box just pops up again and after a few attempts the page refreshes to a 401.2 error. This behaviour is consistent if I use the administrator account for the machine or any other account,

With both success and failure logging enabled I see nothing related to this log in attempt in the security event log.

If I go back into the IIS directory security tab and enable integrated security either instead of or in addition to basic authentication, then refresh the browser, then the log in attempted works at the first time of asking. This won't do for my purposes because the external provider we're working with fails if the initial challenge isn't basic authentication and(as I understand it, and please correct if this is wrong) IIS will try integrated

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first and basic second if both are enabled.

I have tried this twice now with separate directories, starting from creating the directory and step by step enabling and disabling all the different settings and everything appears to work exactly as you expect it would until I set directory security to use basic authentication only, and then everything breaks.

Thanks again for your time in looking into this. I'm afraid I expect it eventually to be something dumb and simple that I've missed – just hoping to get to the bottom of it while I still have some hair left.

Jude Fisher / JcFx

"Roger Abell [MVP]" wrote:

OK. So I am assuming that your test.html is simple static html that does not involve this vendors parts. I am also assuming that when you set up /test you did set the NTFS permissions directly or via IIS so that the account you are testing with does have read. The logins you see for IUsr\_ and Network Service are likely from spinning up IIS backside support on first hits on the /test site, and your not seeing login failure messages most likely means that the login was successful. If permissions on /test/test.html do not allow access by your authenticated test user account then IIS will reprompt for an account that does. Could that be what is happening? Likely not as you have said that all works if you enable integrated authentication, with the precise same test setup, right? Let us know if above assumptions are correct, OK? We can then look at what is left, if we can figure what it is.

Roger

"Jude Fisher" <JudeFisher@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message [news:7B8342C2-2804-4B57-ACE2-457352396425@xxxxxxxxxxxxxxxxxxxx](mailto:news:7B8342C2-2804-4B57-ACE2-457352396425@xxxxxxxxxxxxxxxxxxxx)

Roger,

I've set up the test directory as described in my first post. I'm then trying to access the page (<http://localhost/test/test.html>) through internet explorer. I get a windows log in box as a prompt. As you can imagine, I've tried every possible combination of things but I'm mostly trying with COMPUTERTNAME\USER and the password. The password is for the moment set to something absurdly simple so I'm sure it's not a problem with that.

I've enabled failure logging and tested a regular remote desktop log in to

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verify the failure is being recorded (it is). When I attempt to access the directory above, however, I don't get a failure audit. I don't get any event at all for the user I'm trying to log in with. What I do get is a success audit for the IUSR account (even though anonymous access is turned off and I am denied access to the page I'm trying to get to). Some details from that success audit:

User Name: IUSR\_XXXXXXXXXXXXXXXXXX  
Domain: XXXXXXXXXXXXXXXXXXXX  
Logon ID: XXXXXXXXXXXXXXXXXXXX  
Logon Type: 8  
Logon Process: Advapi  
Authentication Package: Negotiate  
Workstation Name: XXXXXXXXXXXXXXXXXXXX  
Logon GUID: -  
Caller User Name: NETWORK SERVICE  
Caller Domain: NT AUTHORITY  
Caller Logon ID: XXXXXXXXXXXXXXXXXXXX  
Caller Process ID: 184  
Transited Services: -  
Source Network Address: -  
Source Port: -

I actually get two (identical) success audits for this account, and a success audit for the NETWORK\_SERVICE account, but it is as if the attempt to log in through the username/password box just never happened.

Not sure if any of that is useful but any help would be appreciated.

Thanks for your time so far.

Jude Fisher

"Roger Abell [MVP]" wrote:

How are you trying to log in? With domain\account when using a domain account ?? The auditing settings are in the Local Security Policy which you will find in Administrative Tools (though domain policy may be controlling).

"Jude Fisher" <JudeFisher@XXXXXXXXXXXXXXXXXXXXXXXXXXXX>  
wrote in message  
[news:E1E3B299-F273-44FF-B61E-7DAC0CEF25AB@XXXXXXXXXXXXXXXXXXXX](mailto:news:E1E3B299-F273-44FF-B61E-7DAC0CEF25AB@XXXXXXXXXXXXXXXXXXXX)

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Roger,

Thanks for replying.

The event log doesn't appear to be recording failures. How would I turn that on?

Thanks again.

Jude Fisher

"Roger Abell [MVP]" wrote:

Have you looked into the security event log, assuming that it is configured to record login failures? You will probably see a unknown account or bad password event message, indicating the account that the domain. This last is probably not correct if the login attempt did not use domain\account syntax in the login attempt, where domain might need to be the local machine name of the webserver if domain account is not in use.

"Jude Fisher"

<JudeFisher@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

wrote in message

[news:6CF2177C-D68E-46CD-A95D-1FF4D51BC8C0@xxxxxxxxxxxxxxxxxxxx](mailto:news:6CF2177C-D68E-46CD-A95D-1FF4D51BC8C0@xxxxxxxxxxxxxxxxxxxx)

Hi,

I'm a developer rather than a server tech and I've run

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into some  
problems  
configuring  
a website.

An external  
provider  
we're using  
requires that  
a specific  
script be  
in  
a  
directory  
that is  
protected by  
Basic  
Authentication.

This isn't  
something  
I've had to  
do before so  
I've been  
stumbling  
along  
following  
the KB  
instructions.  
I've set up a  
test  
directory  
but I can't  
seem to get  
authentication  
working  
properly.  
Here are the  
details:

I'm running  
IIS 6 on  
Windows  
Server 2003  
with  
Asp.Net 1.1  
and 2.0  
both  
installed.

The  
directory is

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configured  
with regular  
read  
priveleges,  
no scripts  
or  
executables  
for the  
moment.  
The page  
inside the  
directory  
that I am  
using  
for  
testing is  
just a plain  
html page  
with one  
line of text  
in it.

The  
directory is  
configured  
in IIS with  
only Basic  
Authentication  
checked  
(Anonymous  
access,  
digest and  
integrated  
access are  
all cleared)  
and  
the  
domain and  
realm fields  
are empty.

I have a  
litted  
access  
account I  
want to use  
for this but  
for  
testing  
I've  
also tried

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my  
administrator  
account,  
which has  
privileges  
to the  
folder  
and  
also local  
log on  
privileges  
for the  
machine.  
Problems  
are  
consistent  
whichever  
account is  
used.

The error  
occurs  
whether I'm  
connecting  
remotely or  
(through  
remote  
desktop)  
via  
localhost,  
which  
should rule  
out any  
proxies.

The error  
returned is  
HTTP Error  
401.2 –  
Unauthorized:  
Access is  
denied  
due  
to server  
configuration.

**\*IMPORTANT\***  
(I'm hoping  
this points  
directly to  
the

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problem!) –  
If I  
check  
the  
integrated  
authentication  
box in the  
IIS security  
configuration,  
suddenly  
the log in  
works. If I  
clear it so  
only basic  
is checked,  
it breaks  
again.

Thanks in  
advance for  
any  
assistance.