

Re: Forms Security

Source:

<http://www.derkeiler.com/Newsgroups/microsoft.public.dotnet.framework.aspnet.security/2005-06/0321.html>

From: Matt (matthewr_at_becta.org.uk)

Date: 06/24/05

Date: Fri, 24 Jun 2005 16:24:23 +0100

Adding the following code to `Application_AuthenticateRequest()` has helped me step through the auth process..

```
string cookieName = FormsAuthentication.FormsCookieName;
HttpCookie authCookie = Context.Request.Cookies[cookieName];

if(null == authCookie)
{
    //There is no authentication cookie.
    return;
}
```

`authCookie` is returning as Null, but it is being written in the login process.

Matt

"Matt" <matthewr@becta.org.uk> wrote in message

news:#gof#zLeFHA.1920@tk2msftngp13.phx.gbl...

> OK, typically, just after I posted this I figured out the difference!

>

> Now my code is the same as yours.

>

> Using Fiddler, When I submit the username and password, I can see it sending

> a cookie of the correct type with a load of data in it.

>

> Below that is another entry for the login page again. this too has the line

> for the cookie, with the same data. So looking at that, the page knows there

> is a cookie written, and it is just ignoring it. Both the entry for the

> login page, and for the user home page have the same referrer.

>

> I just cant see why this is happening, (but this is all new to me so it is

> almost certainly something straightforward!)

>

> Matt

> "Matt" <matthewr@becta.org.uk> wrote in message
> news:#dycyxAeFHA.616@TK2MSFTNGP12.phx.gbl...
>> Well I'll look some more, but I just copied your code in, and I get the
> same
>> issue. The only difference is I need to have a web.config in each folder
> as
>> it doesnt like me having a
>> <location = "<folder>">
>> </location> block in the config
>>
>> If I set the redirect to be away from the secure area of my site it
works,
>> and I looked at my cookie cache, and the system did create a new cookie.
>>
>> Its all very confusing, but I'll have to wait until later to download
>> fiddler.
>>
>> Any other gotcha's I should be looking out for?
>>
>>
>> "Dominick Baier [DevelopMentor]" <dbaier@pleasepleasenosspamdevelop.com>
>> wrote in message news:512811632551440719389333@news.microsoft.com...
>>> Hello MATT,
>>>
>>> just compare the code in my sample and yours for setting the auth
> cookie.
>>> there must be a difference. maybe the expiration time is the problem.
> Also
>>> – try using a tool like Fiddler (www.fiddlertool.com) to inspect the
>> behavior
>>> and if the cookie is really set in IE.
>>>
>>> -----
>>> Dominick Baier – DevelopMentor
>>> <http://www.leastprivilege.com>
>>>
>>>> Thanks Dominick, theres a lot to digest there, and no doubt I'll be
>>>> tweaking my application for some time based on what you've shown
me. –
>>>> When I understand what it all does :-)
>>>>
>>>> But it doesnt explain why my code doesnt work, it definitely writes
>>>> and creates a cookie, and tries to redirect. But instead of
>>>> redirecting it is bouncing straight back to the login page. So if
the
>>>> decryption of my ticket is hapening automajically, then what on
earth
>>>> is causing this problem?
>>>>
>>>> (all the sample code I have is straight of the MS website, and
usually

> > > > *I find that works)*
> > > >
> > > > *Is there anyway I can catch the redirect, to see why it is sending
me
> > > > back to the login page?*
> > > >
> > > > *Matt*
> > > >
> > > > *"Dominick Baier [DevelopMentor]"*
> > > > *<dbaier@pleasepleasenosspamdevelop.com> wrote in message*
> > > > *news:511930632551367308934364@news.microsoft.com...*
> > > >
> > > > > *Hello MATT,*
> > > > >
> > > > > *look at that code –*
> > > > >
> > > > >
<http://www.leastprivilege.com/PermaLink.aspx?guid=b0e51388-71d1-4a6f-98d0-bc8cfbec4c3a>
> > > > > *8d0-bc8cfbec4c3a*
> > > > >
> > > > > *the decryption is done be the FormsAuthenticationModule and is
> > > > > transparent to your application.*
> > > > >
> > > > > -----
> > > > > *Dominick Baier – DevelopMentor*
> > > > > <http://www.leastprivilege.com>
> > > > > *Sorry, here it is.*
> > > > >
> > > > > *[code]*
> > > > > *FormsAuthenticationTicket authTicket = new*
> > > > > *FormsAuthenticationTicket(selectCMD.Parameters["@output"].Value.ToSt*
> > > > > *ri*
> > > > > *ng(),f*
> > > > > *alse,10);*
> > > > > *//Encrypt the ticket*
> > > > > *string eT = FormsAuthentication.Encrypt(authTicket);*
> > > > > *//Create a Cookie and store the data*
> > > > > *HttpCookie authCookie = new*
> > > > > *HttpCookie(FormsAuthentication.FormsCookieName,eT);*
> > > > > *DateTime dt = DateTime.Now;*
> > > > > *authCookie.Expires = dt.AddHours(1);*
> > > > > *Response.Cookies.Add(authCookie);*
> > > > > *//Redirect to Originally Requested Page*
> > > > > *Label2.Text = (FormsAuthentication.GetRedirectUrl*
> > > > > *(selectCMD.Parameters["@output"].Value.ToString(),false));*
> > > > > *Response.Redirect(FormsAuthentication.GetRedirectUrl*
> > > > > *(selectCMD.Parameters["@output"].Value.ToString(),false))*
> > > > > *[/code]*
> > > > > *I guess I dont understand the forms security model, but if there
is*

> > > > > a
> > > > > ticket encrypt method, I assume that there needs to be a
> > > > > ticket.decrypt method call hapenning somewhere.
> > > > > But then that may be bad thinking on my part!
> > > > >
> > > > > Matt
> > > > >
> > > > > "Dominick Baier [DevelopMentor]"
> > > > > <dbaier@pleasepleasenosspamdevelop.com> wrote in message
> > > > > news:509256632550731384720833@news.microsoft.com...
> > > > >
> > > > > > Hello MATT,
> > > > > >
> > > > > > can you post the code, where you set the Auth Cookie?
> > > > > >
> > > > > > -----
> > > > > > Dominick Baier – DevelopMentor
> > > > > > <http://www.leastprivilege.com>
> > > > > > Hi I have the MSDN forms security example in my .net code,
tweaked
> > > > > > to suit my application.
> > > > > >
> > > > > > When I log in, and step through my code, I see everything get
> > > > > > created correctly, and if I look in the cookies folder, the
cookie
> > > > > > myname@localhost gets created
> > > > > >
> > > > > > But the page then redirects, and the security doesnt see the
> > > > > > cookie
> > > > > > and so I
> > > > > > end up back at the login page.
> > > > > > What have I missed?
> > > > > > I assume that the .net framework handles the rest, so it looks
to
> > > > > > me
> > > > > > that it
> > > > > > is not finding the correct cookie name in the web.config file
> > > > > > The only thing I have done is encrypted the ticket, so I can see
I
> > > > > > may
> > > > > > need to add in a function somewhere to decrypt it and check it?
> > > > > > Any advice / help greatly recieved, as Im goign round and
round
> > > > > > in circles
> > >
> > >
> > >
> >
> >
>
>
>