

Re: WSE 3.0 Policy and Encrypting Custom Headers (XML Encryption S

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<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.webservices.enhancements/2005-07/>

- *From:* "Pablo Cibraro" <pcibraro@xxxxxxxxxxxxx>
 - *Date:* Thu, 21 Jul 2005 11:05:16 -0300
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Hi Todd,

Maybe, you can take a look to this application

<http://practices.gotdotnet.com/projects/wsibsp>.

We made a custom assertion, which encrypts custom headers using X509 certificates.(It is included in that project)

Regards

Pablo Cibraro

Lagash Systems

<http://weblogs.asp.net/cibrax>

"Todd Clemetson" <Todd.Clemetson@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message news:B1ADC929-AAF2-43AB-ABE9-EEB69AC7CE14@xxxxxxxxxxxxxxxxxxxxx

> Sidd,

>

> Thanks for your comments. I have a few other questions/comments inline

> below:

>

> Todd

> "Sidd [MSFT]" wrote:

>

>> Hi Todd,

>>

>> Answers to your questions are inline...

>>

>> Please let me know if you have any more questions.

>>

>> Thanks,

>>

>> Sidd [MSFT]

>>

>> "Todd Clemetson" <Todd.Clemetson@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message

>> news:DD41EEFE-A90B-405B-BF04-5BE1785F2983@xxxxxxxxxxxxxxxxxxxxx

>> >I am curious if WSE 3.0 policy or any other features of WSE 3.0 make it

>> > easier to encrypt custom soap headers to conform to the Xml Encryption

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>>> Spec.
>>> I am currently using WSE 2.0 and see no other solution other than to
>>> write
>>> my
>>> own routines to encrypt custom soap header items (e.g SamlToken, custom
>>> localization header, etc). WSE 2.0 does allow the body and username
>>> tokens
>>> to be encrypted by specifying these items in the MessageParts element
>>> of
>>> the
>>> polycache file, but you can't specify any part of the soap header to
>>> be
>>> encrypted as you can with the Integrity policy (this is done via the
>>> Integrity MessageParts element).
>>>
>>> if WSE 3.0 makes this easy then I will hold off on building a custom
>>> solution and simply wait for the RC to be shipped. If it doesn't, I
>>> need
>>> to
>>> get busy :->) Could anyone shed some light on this? Just to summarize
>>> my
>>> questions:
>>>
>>> 1) Does WSE 3.0 policy support encrypting custom headers?
>>>
>>> The policy assertions in WSE 3.0 do not support encrypting headers, but
>>> do
>>> support signing headers.
>>>
>>> 2) If not, is there some other features in WSE 3.0 outside of policy
>>> that
>>> will make this easier (e.g. something that will produce encrypted XML
>>> conforming to the XML Encryption Specification).
>>>
>>> Yes, you can always encrypt custom headers using code:
>>>
>>> Assuming you have a custom header <foo> ... </foo>, all you would need
>>> to
>>> do is
>>>
>>> 1) Add an wsu:Id attribute to the <foo> header. For instance, your header
>>> should look like:
>>>
>>> <foo wsu:Id="customHeader-123" />
>>>
>>> then, you would construct a "EncryptedData enc = new
>>> EncryptedData(encryptingToken, "#" + "customHeader-123");
>>> requestSoapContext.Current.Security.Elements.Add(enc);
>>>
>>> Very helpful. Thanks for the info. I bit the bullet and installed VS2005
>>> beta2 and WSe 3.0 on my home machine to see what was available. I noticed

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> this class as well. Very nice!

>> > 3) Did I miss the boat on WSE 2.0? Is there something in WSE 2.0 that

>> > I

>> > missed that allows me to do this?

>> >

>>

>> In WSE 2.0 policy, you can do this via the message parts in a

>> confidentiality assertion by specifying wsp:Header(a:foo) and this would

>> encrypt only the top level children of the soap:Header. Let me know if

>> you

>> need a concrete example of this. Have you given this a shot?

>

> I did give this a shot and found it to not work. Note that the

> documentation for WSE 2.0 says you cannot do this for confidentiality

> assertions. See

>

<http://msdn.microsoft.com/library/default.asp?url=/library/en-us/wse/html/b6d347fa-df13-40ee-925a-9bbb24eee1fb>

> It explicitly states that the body and UserNameToken are the only valid

> values for the MessagePart element in this assertion. The MessagePart

> element in the integrity assertion does support what you are stating by

> specifying the custom header in the same manner. I did try this early on

> and

> didn't have any luck. Am I still missing something here.

>

>

>>

>> Let me know if you get stuck with any of these, and I'll be glad to help.

>>

>> > Your help is greatly appreciated.

>> >

>> > Thanks

>> > Todd Clemetson

>> >

>> > I am trying to make a decision whether or not we need to roll our

>> > solution

>> > for encrypting items in our header

>> >

>> >

>> > I have a number of items that get put int soap header (SamlToken,

>> > localization info, etc) that need to be signed and encrypted. I

>> > noticed

>> > that

>> > Policy in WSE 2.0 did not support encrypting custom headers

>>

>>

>>

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- ***Follow-Ups:***

- ◆ ***Re: WSE 3.0 Policy and Encrypting Custom Headers (XML Encryption S***

- ◆ *From:* Todd Clemetson

- Prev by Date: ***Code vs. Policy problem on WSE 3 client***

- Next by Date: ***Re: WSE 3.0 Examples***

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