

## Authentic 2 - Bug #1298

### SAML 2.0 HTTP-POST RelayState not forwarded to the SP

07 mars 2012 09:18 - Arnaud Maillet

<b>Statut:</b>	Rejeté	<b>Début:</b>	07 mars 2012
<b>Priorité:</b>	Normal	<b>Echéance:</b>	
<b>Assigné à:</b>		<b>% réalisé:</b>	0%
<b>Catégorie:</b>		<b>Temps estimé:</b>	0:00 heure
<b>Version cible:</b>	2.1.0	<b>Planning:</b>	
<b>Patch proposé:</b>			
<b>Description</b>			
Hello,			
Here is the configuration :			
IDP : Authentic SP : my SAML 2.0 Server			
My SP server initiated a HTTP-POST AuthnRequest with a "RelayState" to Authentic (IDP), and after some debugging I figured out that Authentic doesn't forward the RelayState.			
Here is my debugging trace in the return_saml2 function (saml2/common.py) :			
<pre>    /usr/local/lib/python2.7/dist-packages/authentic2/saml/common.py(171)return_saml()  -&gt; 'relay_state': profile.msgRelayState}, (Pdb) p profile.msgRelayState None (Pdb) p request._get_post()['RelayState'] u'LCkji5FkDJ2dDYe3oHh53uoYID00B'</pre>			
I made a little work around :			
<ul style="list-style-type: none"><li>• common.py 2012-03-06 14:23:07.941738320 +0100 --- common_patch.py 2012-03-07 09:10:45.181745846 +0100 *****</li><li>• 166,172 ** 'url': profile.msgUrl, 'fieldname': field_name, 'body': profile.msgBody, !               'relay_state': profile.msgRelayState }, context_instance=context_instance) return HttpResponse(profile.msgBody, mimetype = 'text/xml') elif profile.msgUrl: --- 166,172 ---- 'url': profile.msgUrl, 'fieldname': field_name, 'body': profile.msgBody, !               'relay_state': request._get_post()['RelayState']}, context_instance=context_instance) return HttpResponse(profile.msgBody, mimetype = 'text/xml') elif profile.msgUrl:</li></ul>			
According to the SAML2 norm, for a HTTP-POST AuthnRequest : ( <a href="http://docs.oasis-open.org/security/saml/v2.0/saml-bindings-2.0-os.pdf">http://docs.oasis-open.org/security/saml/v2.0/saml-bindings-2.0-os.pdf</a> p 22 ) :			
If a SAML request message is accompanied by RelayState data, then the SAML responder MUST return its SAML protocol response using a binding that also supports a RelayState mechanism, and it MUST place the exact data it received with the request into the corresponding RelayState parameter in the response.			
What do you think about it ? Did I miss something ?			

Regards

**Demandes liées:**

Lié à Authentic 2 - Development #40722: idp\_saml2: le relaystate n'est pas co...

Fermé

13 mars 2020

**Historique**

**#1 - 07 mars 2012 12:05 - Mikaël Ates (de retour le 29 avril)**

Hello,

Authentic 2 does not support the POST binding for AuthnRequest, only the Redirect binding.

As defined in the conformance document of the SAML2 specifications, the POST binding for the AuthnRequest is possible. However, only the redirect binding is present in the feature matrix used for conformance.

Is is not explicit looking at the code since some parts are designed for a future support of the POST binding. We'll also update the feature part of the documentation to explicit that.

It is still interesting to know that you use it.

Regards,

Mikaël

**#2 - 07 mars 2012 14:01 - Arnaud Maillet**

Good to know!

I was mistaken by the metadata of the IDP and the code :). And yes it works really well If I use HTTP-Redirect ! In my case my little patch was sufficient to make Authentic work with HTTP-POST.

Thank you for your time.

Regards,

**#3 - 19 avril 2012 17:22 - Mikaël Ates (de retour le 29 avril)**

- Statut changé de Nouveau à 7

**#4 - 14 juin 2018 01:42 - Benjamin Dauvergne**

- Statut changé de 7 à Rejeté

**#5 - 26 mars 2020 16:53 - Mikaël Ates (de retour le 29 avril)**

- Lié à Development #40722: idp\_saml2: le relaystate n'est pas conservé si on reçoit une requête de SSO en POST ajouté