

# UC-003 (ATH-UC-09): Global logout from an application

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## Used documentation

Cookbook/ materials	Version	Location
Identity & Authorization Management (I.AM) - Overview	1.0	<a href="https://www.ehealth.fgov.be/ehealthplatform/file/view/c87f7d093e56ff1054c73d6aae09e0bb?filename=ehealth_i.am_-_overview">https://www.ehealth.fgov.be/ehealthplatform/file/view/c87f7d093e56ff1054c73d6aae09e0bb?filename=ehealth_i.am_-_overview</a>
Technical specifications Identity & Authorization Management (I.AM)- Logout	1.0	<a href="https://www.ehealth.fgov.be/ehealthplatform/file/view/8f9881c65700081363c8922c5e7928da?filename=ehealth_i.am_-_logout">https://www.ehealth.fgov.be/ehealthplatform/file/view/8f9881c65700081363c8922c5e7928da?filename=ehealth_i.am_-_logout</a>
Cookbook Identity & Authorization Management (I.AM) - SP Shibboleth	1.0	<a href="https://www.ehealth.fgov.be/ehealthplatform/file/view/9eae84bee7bf8370f12841558ed2308a?filename=ehealth_i.am_-_sp_shibboleth_v1.0.pdf">https://www.ehealth.fgov.be/ehealthplatform/file/view/9eae84bee7bf8370f12841558ed2308a?filename=ehealth_i.am_-_sp_shibboleth_v1.0.pdf</a>
NativeSPServiceLogout wiki page	old version (2010)	<a href="https://wiki.shibboleth.net/confluence/display/SHIB2/NativeSPServiceLogout">https://wiki.shibboleth.net/confluence/display/SHIB2/NativeSPServiceLogout</a>
NativeSPSingleLogoutService wiki page	2018	<a href="https://wiki.shibboleth.net/confluence/display/SHIB2/NativeSPSingleLogoutService">https://wiki.shibboleth.net/confluence/display/SHIB2/NativeSPSingleLogoutService</a>
NativeSPLogoutInitiator wiki page	2018	<a href="https://wiki.shibboleth.net/confluence/display/SHIB2/NativeSPLogoutInitiator">https://wiki.shibboleth.net/confluence/display/SHIB2/NativeSPLogoutInitiator</a>

## General information

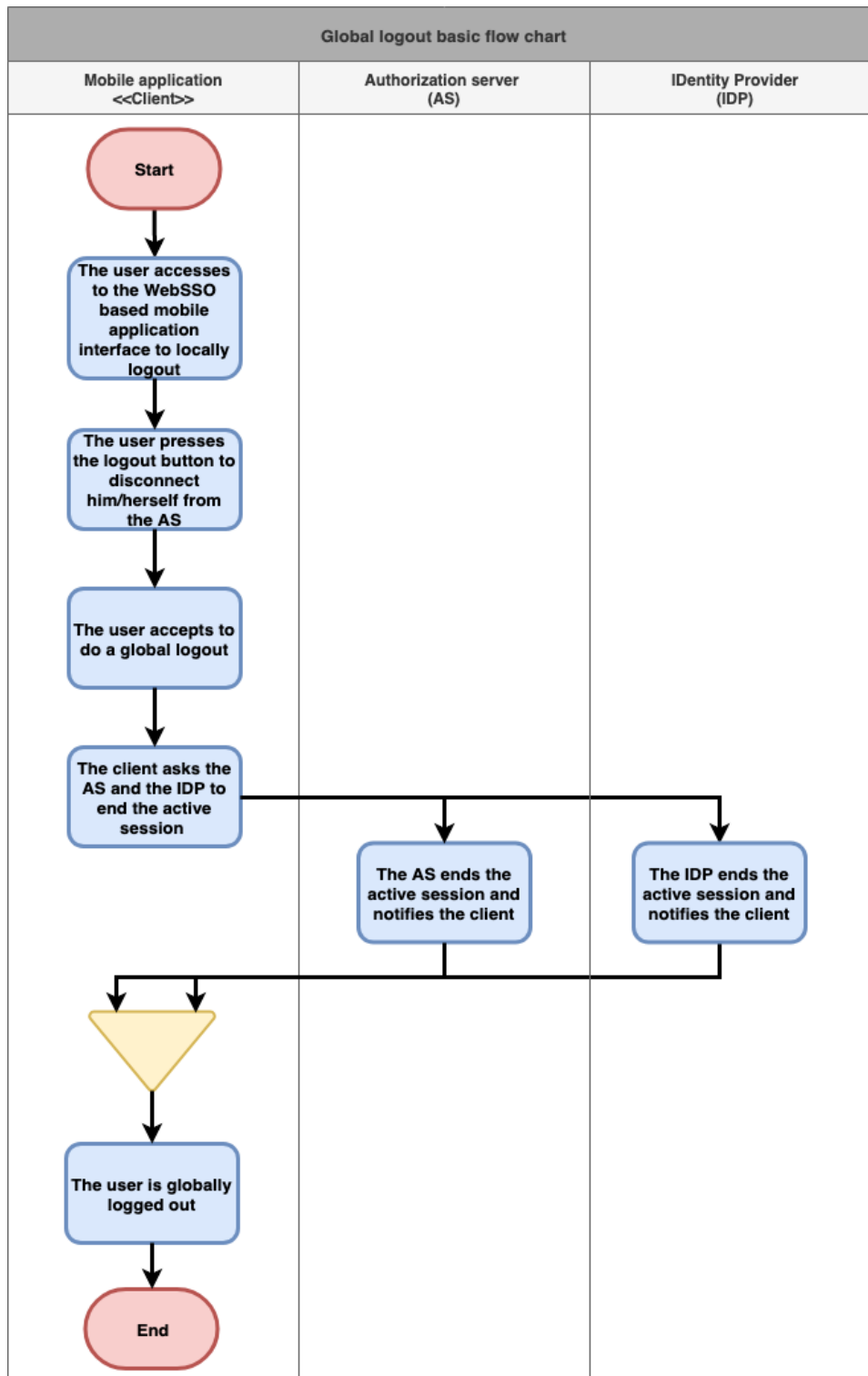
The global logout will disconnect the user from the active application and the IDP. We need the last version of the IDP to support the global logout

In order to do a global logout in the mobile application, the user should do it via the following possibilities:

- By pressing a button integrating the URL\_local\_logout: [https://api.ehealth.fgov.be/auth/realms/{REGISTERED\\_REALM}/protocol/openid-connect/logout?redirect\\_uri={REGISTERED\\_APP\\_REDIRECT\\_URI}](https://api.ehealth.fgov.be/auth/realms/{REGISTERED_REALM}/protocol/openid-connect/logout?redirect_uri={REGISTERED_APP_REDIRECT_URI}) and the URL\_global\_logout: <https://www.ehealth.fgov.be/idp/profile/Logout> to logout from the AS and the IDP respectively.
- By closing the mobile application (i.e. the active session will be automatically closed).

## Basic flow

Flow	Specification
	<b>U s e c a s e ID</b> ATH-UC-09-BF
	<b>U s e c a s e n a me</b> Global logout of a user from the mobile application



A c t o r s	<ul style="list-style-type: none"> <li>• Citizen</li> <li>• Healthcare giver</li> <li>• Representative of an institution</li> </ul>
S h o r t D e s c r i p t i o n	<p>This use case denotes the basic flow of the global logout use case. Indeed, it consists on the disconnection from the authorization server (called also the IAM connect) and the IDP.</p> <ul style="list-style-type: none"> <li>• To logout eHealth I.AM Connect via OpenID, the logout request should sent via the following URL_local_logout: <a href="https://api.ehealth.fgov.be/auth/realms/{REGISTERED_REALM}/protocol/openid-connect/logout?redirect_uri={REGISTERED_APP_REDIRECT_URI}">https://api.ehealth.fgov.be/auth/realms/{REGISTERED_REALM}/protocol/openid-connect/logout?redirect_uri={REGISTERED_APP_REDIRECT_URI}</a>.</li> <li>• To logout eHealth I.AM IDP, the logout request should sent via the following URL_global_logout: <a href="https://www.ehealth.fgov.be/idp/profile/Logout">https://www.ehealth.fgov.be/idp/profile/Logout</a></li> </ul>
P r i o r i t y	<p>1 (High)</p> <p>Must have: The system must implement this goal/assumption to be accepted.</p>
P r e - C o n d i t i o n s	<ul style="list-style-type: none"> <li>• The user is authenticated in the mobile application</li> <li>• The URL_local_logout</li> <li>• The URL_global_logout</li> </ul>
P o s t - C o n d i t i o n s	<ul style="list-style-type: none"> <li>• The user is globally logged out</li> </ul>

<b>S t e p s ( b a s i c f l o w)</b>	0	The user accesses to the WebSSO based mobile application interface to logout
	1	The user presses the logout button to disconnect him/herself from the application. A popup appears to ask him/her if he/she wants to do global logout.
	2	<p>The user accepts to do a global logout and the application sends the logout request to:</p> <ol style="list-style-type: none"> <li>1. the AS to end the active session via the URL_local_logout</li> <li>2. the IDP to do a logout via the URL_global_logout</li> </ol>
	3	<ol style="list-style-type: none"> <li>1. The AS ends the active session and notifies the client</li> <li>2. The IDP logs out and sends a notification to the client</li> </ol>
	6	The user is logged out from the mobile application and the IDP.
<b>E x c e p t i o n s (e x c e p t i o n f l o w s)</b>		

<b>F r e q u e n c y</b>	<ul style="list-style-type: none"> <li>• Every time the user needs to logout from the application and the IDP</li> </ul>
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## Alternative flow 1

Flow		Specification
<p style="text-align: center;"><b>Global logout alternative flow chart</b></p> <pre> graph TD     subgraph Client [Mobile application &lt;&lt;Client&gt;&gt;]         Start([Start]) --&gt; Exit[The user exits the mobile application without doing a logout properly]         Exit --&gt; Disconnect[The client is disconnected and asks the AS and the IDP to end the active sessions]         Disconnect --&gt; Merge(( ))         Merge --&gt; Receive[The client receive the logout responses of the AS and IDP]         Receive --&gt; End([End])     end     subgraph AS [Authorization server (AS)]         AS_End[The AS ends the active session and notifies the client]     end     subgraph IDP [IDentity Provider (IDP)]         IDP_End[The IDP ends the active session and notifies the client]     end     Disconnect --&gt; AS_End     Disconnect --&gt; IDP_End     AS_End --&gt; Merge     IDP_End --&gt; Merge </pre>		<p><b>U s e c a s e I D</b></p> <p>ATH-UC-09-AF-01</p>
		<p><b>U s e c a s e n a m e</b></p> <p>Global logout of a user by exiting the mobile application</p>
		<p><b>A c t o r s</b></p> <ul style="list-style-type: none"> <li>• Citizen</li> <li>• Healthcare giver</li> <li>• Representative of an institution</li> </ul>
		<p><b>S h o r t D e s c r i p t i o n</b></p> <p>This use case denotes the alternative flow of the global logout use case. Indeed, it consists on the automatic global logout when the user exits the mobile application without logging out properly. It may an expected or unexpected exit.</p>
		<p><b>P r i o r i t y</b></p> <p>1 (High)</p> <p>Must have: The system must implement this goal/ assumption to be accepted.</p>
		<p><b>P r e - C o n d i t i o n s</b></p> <ul style="list-style-type: none"> <li>• The user is authenticated in the mobile application</li> <li>• The URL_local_logout</li> <li>• The URL_global_logout</li> </ul>

<b>P o s t - C o n d i t i o n s</b>		<ul style="list-style-type: none"> <li>The user is globally logged out</li> </ul>
<b>S t e p s (b a s i c f l o w)</b>	0	The user exits the mobile application without doing a logout properly
	1	<p>The client detects that the client is disconnected and asks:</p> <ol style="list-style-type: none"> <li>the AS to end the active session via the URL_local_logout</li> <li>the IDP to do a logout via the URL_global_logout</li> </ol>
	2	<ol style="list-style-type: none"> <li>The AS ends the active session and notifies the client</li> <li>The IDP logs out and sends a notification to the client</li> </ol>
	3	The client receive the logout responses of the AS and IDP
<b>E x c e p t i o n s (e x c e p t i o n f l o w s)</b>		

<b>F re q u e n cy</b>	<ul style="list-style-type: none"> <li>• Every time the user exits the mobile application without logging out</li> </ul>
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