

deprecated-UC-001 (ATH-UC-06): Authentication using itsMe

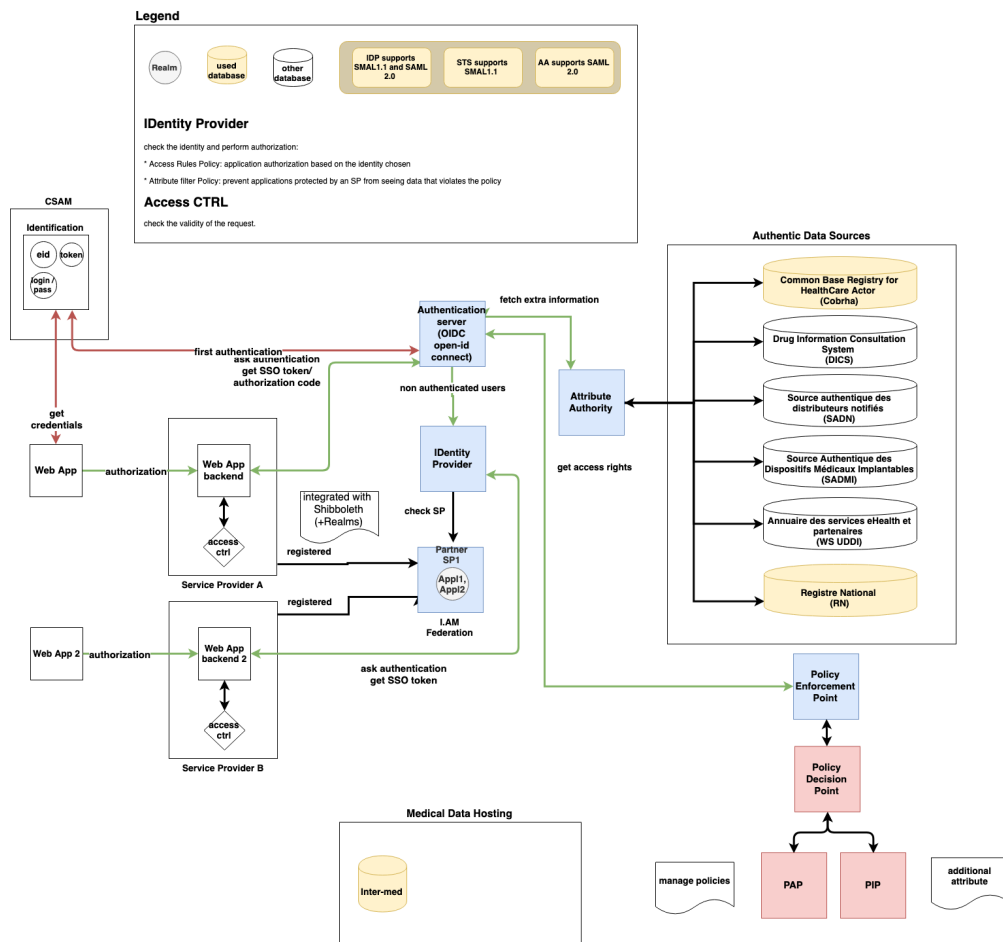
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Used documentation

Cookbook/ materials	Version	Location
Identity & Authorization Management (I. AM) - Overview	1.0	https://www.ehealth.fgov.be/ehealthplatform/file/view/c87f7d093e56ff1054c73d6aae09e0bb?filename=ehealth_i.am_-_overv
Identity & Authorization Management (I. AM) - Identity Provider (IDP)	1.0	https://www.ehealth.fgov.be/ehealthplatform/fr/data/file/view/d43784683d86392e68f1a95b860f721170f30c7b?name=ehealth_i.am_-_idp_v1.0.pdf
CSAM Youtube channel	-	https://www.youtube.com/channel/UCzMGuDD9xdMeGjYpbpjsXFW
itsme video	-	

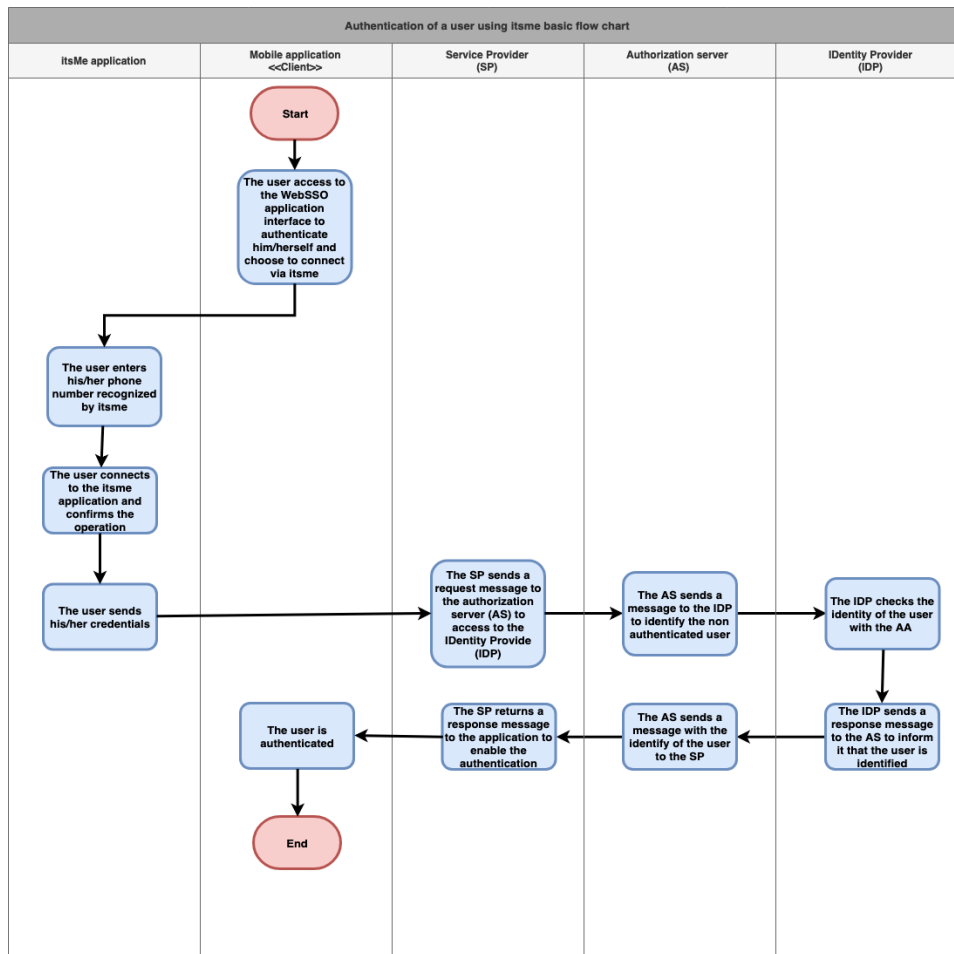
General information

In the figure below, we provide an overview about the interaction between the different services of the e-health platform involved in the IAM. It is noteworthy that the presented architecture is dedicated to the WebSSO solution.



Basic flow

Flow		Specification	
	Use case ID	ATH-UC-06-BF	
	Use case name	Authentication using itsme	
	Actors	<ul style="list-style-type: none"> • Citizen • Healthcare giver • Representative of an institution 	
	Short Description	This use case denotes the authentication of a user via itsme.	



	1 (High)																		
	Must have: The system must implement this goal/ assumption to be accepted.																		
Pre-Conditions	<ul style="list-style-type: none"> The user has an account The user has: <ul style="list-style-type: none"> a phone number an account in itsme a smartphone with the application itsme a five secure code to confirm the operation on itsme 																		
Post-Conditions	<ul style="list-style-type: none"> The user is authenticated The user has access to the services of the mobile application 																		
Steps (basic flow)	<table> <tr> <td>0</td><td>The user accesses to the WebSSO application interface to authenticate him /herself</td></tr> <tr> <td>1</td><td>The user chooses to connect via itsme</td></tr> <tr> <td>2</td><td>The user enters his /her phone number recognized by itsme</td></tr> <tr> <td>3</td><td>The user connects to the itsme application and confirms the operation</td></tr> <tr> <td>4</td><td>The user sends his /her credentials</td></tr> <tr> <td>5</td><td>The application sends an access request to the SP</td></tr> <tr> <td>6</td><td>The SP sends a request message to the AS to access to the IDP</td></tr> <tr> <td>7</td><td>The AS sends a message to the IDP to identify the non authenticated user</td></tr> <tr> <td>8</td><td>The IDP checks the identity of the user with the AA</td></tr> </table>	0	The user accesses to the WebSSO application interface to authenticate him /herself	1	The user chooses to connect via itsme	2	The user enters his /her phone number recognized by itsme	3	The user connects to the itsme application and confirms the operation	4	The user sends his /her credentials	5	The application sends an access request to the SP	6	The SP sends a request message to the AS to access to the IDP	7	The AS sends a message to the IDP to identify the non authenticated user	8	The IDP checks the identity of the user with the AA
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	9	The IDP sends a response message to the AS to inform it that the user is identified
	10	The AS sends a message with the identity of the user to the SP
	11	The SP returns a response message to the application to enable the authentication
	12	The user is authenticated and can use the the services of the mobile application
	Exceptions (exception flows)	<ul style="list-style-type: none"> The user makes an error when editing his /her credentials (e.g. The phone number of the user is not recognized by itsme) The creation is aborted (e.g. loss of connection, the session is expired)
	Frequency	<ul style="list-style-type: none"> Every time the user needs to authenticate to the mobile application

Alternative flow 1

Specification	
Use case ID	ATH-UC-06-AF-01
Use case name	First authentication using itsme
Actors	<ul style="list-style-type: none"> Citizen Healthcare giver Representative of an institution
Short Description	Depending on the profile of the actor, this alternative flow will be instantiated by one of the four use cases dedicated to the creation of a new account (refer to the basic flows): ATH-UC-01 , ATH-UC-02 , ATH-UC-03 , ATH-UC-04 . To implement this flow, the user should authenticate him/herself in the mobile application using itsme.
Priority	<p>1 (High)</p> <p>Must have: The system must implement this goal/ assumption to be accepted.</p>

Pre-Conditions	<ul style="list-style-type: none"> • The user has not an account • The user has: <ul style="list-style-type: none"> • a phone number • an account in itsme • a smartphone with the application itsme • a five secure code to confirm the operation on itsme
Post-Conditions	<ul style="list-style-type: none"> • The user has an account • The user knows his credentials • The user is authenticated • The user has access to the services of the mobile application
Steps	<p>For more details and depending on the type of the actor, see:</p> <ul style="list-style-type: none"> • The citizen - ATH-UC-01 • The mandated citizen - ATH-UC-02 • The healthcare giver - ATH-UC-03 • The institution representative - ATH-UC-04
Exceptions (exception flows)	<ul style="list-style-type: none"> • The user makes an error when editing his/her credentials (e.g. The phone number of the user is not recognized by itsme) • The creation is aborted (e.g. loss of connection, the session is expired)
Frequency	<ul style="list-style-type: none"> • Every time the user wants to authenticate him/herself and he/she does not have an account.

Exception flow 1

Specification	
Use case ID	ATH-UC-06-EF-01
Use case name	The user makes an error when editing his/her credentials
Actors	<ul style="list-style-type: none"> • Citizen • Representative of an institution • Healthcare giver
Short Description	This use case represents the situation when the user is trying to connect with the itsme and he/she make an error when entering his/her credentials (e.g. The phone number of the user is not recognized by itsme). This exception flow may be triggered by the basic flow and any alternative one.
Priority	<p>1 (High)</p> <p>Must have: The system must implement this goal/ assumption to be accepted.</p>
Pre-Conditions	<ul style="list-style-type: none"> • The user has an account • The user has: <ul style="list-style-type: none"> • a phone number • an account in itsme • a smartphone with the application itsme • a five secure code to confirm the operation on itsme

Post-Conditions	<ul style="list-style-type: none"> The creation of the account fails An error message should be displayed 	
Steps	0	The user accesses to the WebSSO application interface to authenticate him/herself
	1	The user tries to connect to the application via itsme
	2	The user makes an error when entering his/her credentials
Frequency	<ul style="list-style-type: none"> Every time for a user needs to authenticate him/herself and makes an error when entering his/her credentials 	

Exception flow 2

Specification		
Use case ID	ATH-UC-06-EF-02	
Use case name	The creation is aborted (e.g. loss of connection, problem with the wireless card reader, the session is expired)	
Actors	<ul style="list-style-type: none"> Citizen Representative of an institution Healthcare giver 	
Short Description	It denotes the exception use case when the user loses the connection and he/she will not be able to finish the authentication. It may happens at any step of the basic and alternative flows.	
Priority	1 (High) Must have: The system must implement this goal/ assumption to be accepted.	
Pre-Conditions	<ul style="list-style-type: none"> The user has already an account The user has: <ul style="list-style-type: none"> an eID card a PIN code of his/her eID card a wireless card reader 	
Post-Conditions	<ul style="list-style-type: none"> The authentication is interrupted An error message should be displayed 	
Steps (basic flow)		
Frequency	<ul style="list-style-type: none"> Every time for a user needs to authenticate him/herself and loses the connection 	