deprecated-UC-001 (ATH-UC-05): Authentication using an eID

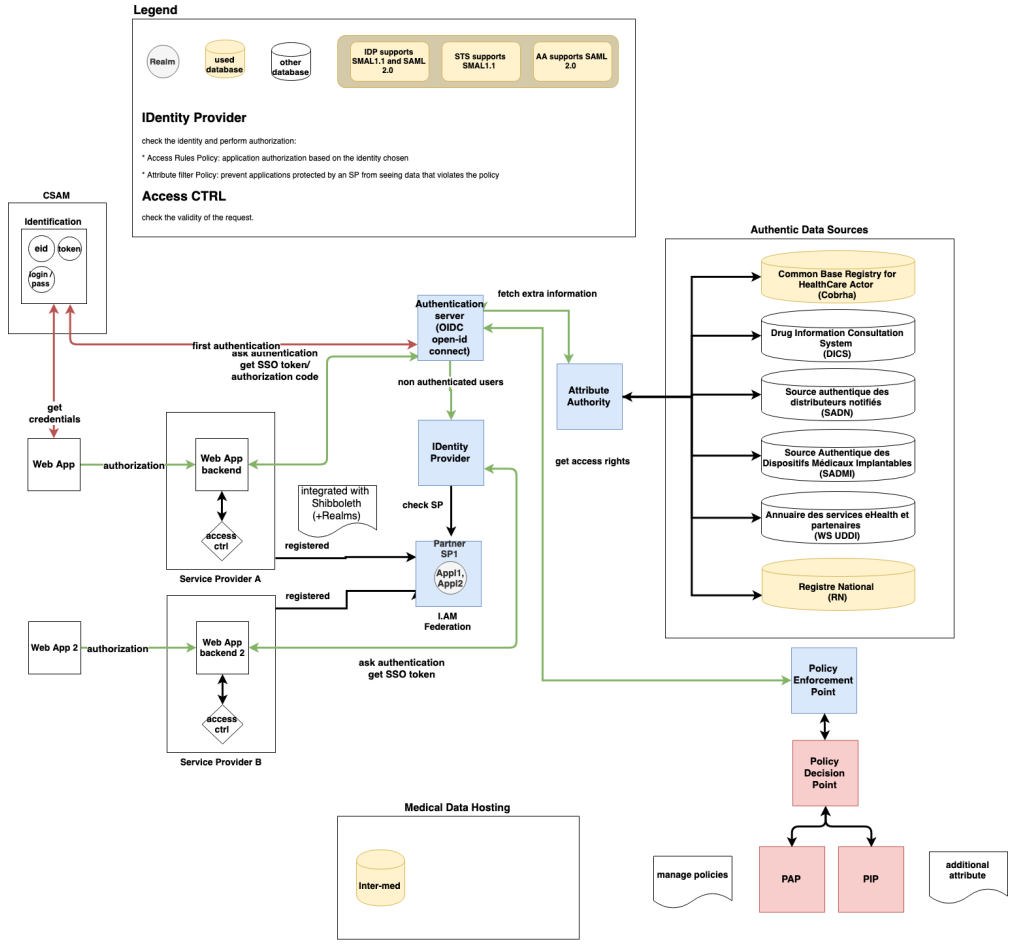
- Used documentation
- General information
- Basic flow
- Alternative flow 1
- Exception flow 1
- Exception flow 2

Used documentation

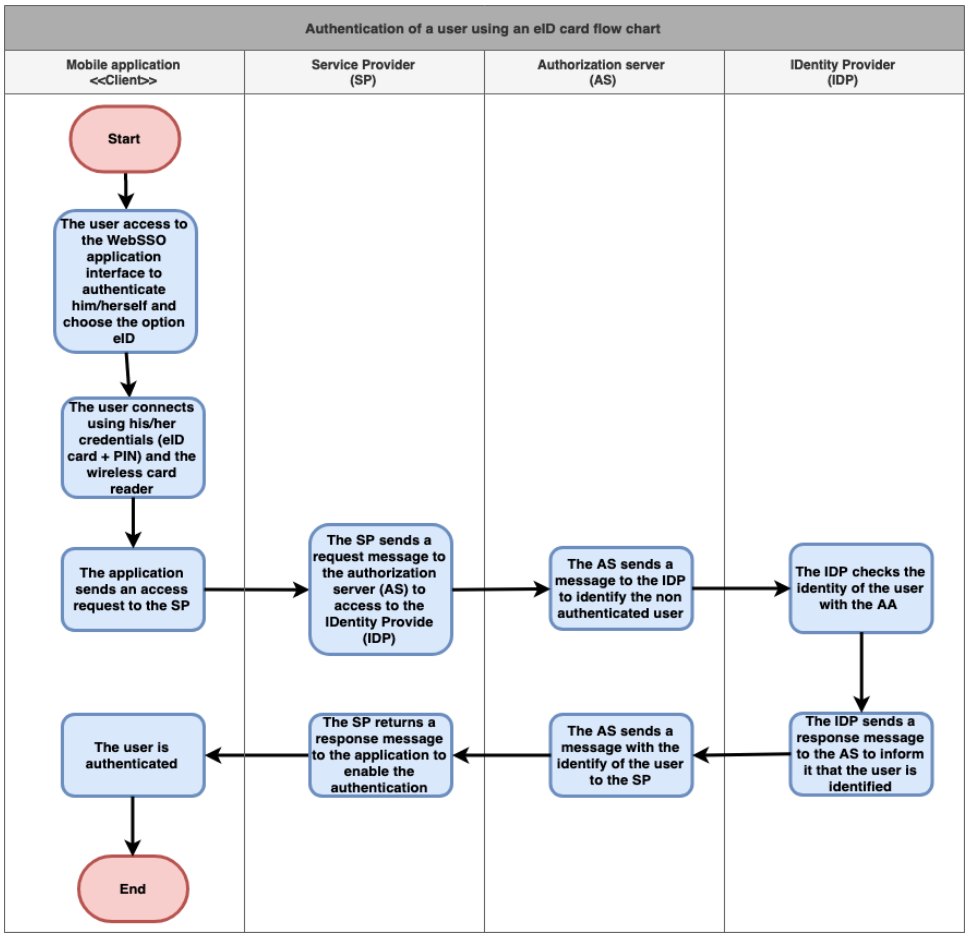
Cookbook/ materials	Version	Location
Identity & Authorization Management (I.AM) - Overview	1.0	https://www.ehealth.fgov.be/ehealthplatform/file/view/c87f7d093e56ff1054c73d6aae09e0bb?filename=ehealth_i.am_-_overv
Identity & Authorization Management (I.AM) - Identity Provider (IDP)	1.0	https://www.ehealth.fgov.be/ehealthplatform/fr/data/file/view/d43784683d86392e68f1a95b860f721170f30c7b?name=ehealth_i.am_-_idp_v1.0.pdf
CSAM Youtube channel	-	https://www.youtube.com/channel/UCzMGudd9xdMeGjYpbpjsXFw

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-05-BF
	Use case name		Authentication using an eID card
	Actors		• Citizen • Healthcare giver • Representative of an institution
	Short Description		This use case denotes the authentication of a user via an eID card.
			1 (High) Must have: The system must implement this goal/ assumption to be accepted.

	Pre-Conditions		• The user has already an account
			• The user has:
			  ◦ an eID card
			  ◦ a PIN code of his/her eID card
			  ◦ a card reader

	Post-Conditions		• The user is authenticated • The user has access to the services of the mobile application
	Steps (basic flow)	0	The user access to the WebSSO application interface to authenticate him /herself and choose the option eID
		1	The user connects using his/her credentials (eID card + PIN) and the card reader
		2	The application sends an access request to the SP
		3	The SP sends a request message to the AS to access to the IDP

	4	The AS sends a message to the IDP to identify the non authenticated user
	5	The IDP checks the identity of the user with the AA
	6	The IDP sends a response message to the AA to inform it that the user is identified
	7	The AS sends a message with the identify of the user to the SP
	8	The SP returns a response message to the application to enable the authentication
	9	The user is authenticated and can use the the services of the mobile application
Exceptions (exception flows)	• The PIN of the eID card is not correct • The creation is aborted (e.g. loss of connection, problem with the card reader, the session is expired)	
Frequency	• Every time the user needs to authenticate to the mobile application	

Alternative flow 1

Specification	
Use case ID	ATH-UC-05-AF-01
Use case name	First authentication using an eID card
Actors	• 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 the eID card.

Priority	1 (High) Must have: The system must implement this goal/ assumption to be accepted.

Pre-Conditions	• The user has not an account
	• The user has:
	  ◦ an e-mail address
	  ◦ an eID card
	  ◦ a code PIN of his/her eID card
	  ◦ a card reader

Post-Conditions	• 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	For more details and depending on the type of the actor, see: • 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)	• The user makes an error when editing his/her credentials • The PIN of the eID card is not correct • The creation is aborted (e.g. loss of connection)
Frequency	• 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-05-EF-01
Use case name	The PIN of the eID card is not correct
Actors	• Citizen • Representative of an institution • Healthcare giver
Short Description	It denotes the use case when the user tries to authenticate with his/her eID card and fails in entering the PIN.
Priority	1 (High) Must have: The system must implement this goal/ assumption to be accepted.

Pre-Conditions	• The user has already an account
	• The user has:
	  ◦ an eID card
	  • a PIN code of his/her eID card
	  • a card reader

Post-Conditions	• The authentication is interrupted • An error message should be displayed	
Steps (basic flow)	0	The user access to the WebSSO application interface to authenticate him/herself and choose the option eID
	1	The user tries to connect using a wrong PIN code
	2	The authentication is interrupted
Frequency	• Every time for a user needs to authenticate him/herself and enter a wrong PIN code	

Exception flow 2

Specification		
Use case ID	ATH-UC-05-EF-02	
Use case name	The creation is aborted (e.g. loss of connection, problem with the card reader, the session is expired)	
Actors	• 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	• The user has already an account
	• The user has:
	  • an eID card
	  • a PIN code of his/her eID card
	  • a card reader	

Post-Conditions	• The authentication is interrupted • An error message should be displayed	
Steps (basic flow)		
Frequency	• Every time for a user needs to authenticate him/herself and loses the connection	