eHealth platform
SSO eHealthBox
v1.1

This document is provided to you free of charge by the

eHealth platform

Willebroekkaai 38 – 1000 Brussel

38, Quai de Willebroeck – 1000 Bruxelles

Table of contents

To the attention of: "IT expert" willing to integrate this web service.

1. Document management

1.1 Document history

Version	Date	Author	Description of changes / remarks
1	26/01/2016	eHealth platform	First version
1.1	23/04/2018	eHealth platform	Extract of list of qualities

2. Use of the eHealth SSO solution

The complete overview of the profile and a systematic implementation to start protecting a new application with SSO @ eHealth is described in the eHealth SSO cookbook on the portal of the eHealth platform[1].

This section specifies how the call to the Secure Token Service (STS) must be done in order to have access to the web service (WS). You must precise several attributes in the request.

To access the eHealthBox WS, a previous call must be made to the STS WS to obtain a valid token, which is used to identify the sender.

The usage of the STS and the structure of the exchanged xml-messages are described in the eHealth STS cookbook on the portal of the eHealth platform.

You will find a systematic description of how to call the STS with JAXWS and Axis in the "How to call a webservice" cookbook. The request must provide every identification attribute required by a particular service. In the case of the eHealthBox these attributes depend on the sender quality.

NIHII Numbers can be of 8 or 11 characters, CBE numbers are 8 characters long and INSS are 11 characters long.

2.1 Healthcare Professional

Use the certificate from the person to call the STS.

- The identification attributes are the following:
    - AttributeNamespace=" urn:be:fgov:identification-namespace " AttributeName="urn:be:fgov:ehealth:1.0:certificateholder:person:ssin"
    - AttributeNamespace=" urn:be:fgov:identification-namespace " AttributeName="urn:be:fgov:ehealth:person:ssin"
- The certification attribute is:
    - AttributeNamespace="urn:be:fgov:certified-namespace:ehealth" AttributeName= certification attribute

You will find the certification attribute for a professional in the list of Qualities. *(See eHbox_Quality on the portal of the eHealth platform)*

Remark:

A non-professional (citizen) has not identification and certification attributes. In addition, as described on page 5 of the "How to call a webservice" cookbook, you need to specify every requested attribute in a SAMLAttributeDesignator list.

Example: for a doctor, we expect the following list:

- The identification attributes are the following:
    - AttributeNamespace=" urn:be:fgov:identification-namespace " AttributeName="urn:be:fgov:ehealth:1.0:certificateholder:person:ssin"
    - AttributeNamespace=" urn:be:fgov:identification-namespace " AttributeName="urn:be:fgov:ehealth:person:ssin"
- The certification attribute is:
    - AttributeNamespace="urn:be:fgov:certified-namespace:ehealth" AttributeName= "urn:be:fgov:person:ssin:doctor:Boolean"

---

[1] *https://ehealth.fgov.be/ehealthplatform*

2.2 Organization

- The identification attributes are the following:
    - AttributeNamespace=" urn:be:fgov:identification-namespace " AttributeName = certificate attribute
    - AttributeNamespace=" urn:be:fgov:identification-namespace " AttributeName = identification attribute
    - AttributeNamespace=" urn:be:fgov:identification-namespace " AttributeName="urn:be:fgov:ehealth:person:ssin"

You will find the certificate attribute and identification attribute for an organization in the list of Qualities. *(See eHbox_Quality on the portal of the eHealth platform)*

We ask you to add the national registry number (SSIN) from the person who is responsible for the access to the WS inside the hospital. This national number is used in the security loggings from the WS.

- The certification attribute is:
    - AttributeNamespace="urn:be:fgov:certified-namespace:ehealth" AttributeName=certification attribute

You will find the certification attribute for an organization in the list of Qualities. *(See eHbox_Quality on the portal of the eHealth platform)*

Example: for a hospital, we expect the following list:

- the 3 identification attributes
    - AttributeNamespace="urn:be:fgov:identification-namespace" AttributeName="urn:be:fgov:ehealth:1.0:certificateholder:hospital:nihii-number"
    - AttributeNamespace=" urn:be:fgov:identification-namespace " AttributeName="urn:be:fgov:ehealth:1.0:hospital:nihii-number"
    - AttributeNamespace=" urn:be:fgov:identification-namespace " AttributeName="urn:be:fgov:ehealth:person:ssin

- the certification attribute is:
    - AttributeNamespace="urn:be:fgov:certified-namespace:ehealth" AttributeName="urn:be:fgov:ehealth:1.0:hospital:nihii-number:recognisedhospital:boolean"

Remark:

Some organizations have no certification attribute e.g. a healthcare organization (quality: INSTITUTION) where the certification attribute is useless. However, the eHealthBox system will check in the "Usermanagement" system that the CBE number from the organization is a known "healthcare" organization.

To access the eHealthBox WS, the response token must contain "true" for the certification attribute.