



**DAta Attribute Service WS  
eHealth SSO v1.0**

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**eHealth platform**

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



## 2. Document management

### 2.1. Document history

Version	Date	Author	Description of changes / remarks
1.00	20/09/2016	eHealth platform	First version
1.1	02/05/2018	eHealth platform	Update

## 3. Use of the eHealth SSO solution

The complete overview of the profile and a step-by-step implementation to start protecting a new application with SSO @ eHealth is described in the cookbook STS – HolderofKey (<https://www.ehealth.fgov.be/ehealthplatform/nl/service-iam-identity-access-management>)

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

To access the eHealth web service, the response token must contain:

- “true” for all of the boolean certification attribute.

If you:

- obtain “false” for one boolean certification attribute  
contact eHealth to verify that the requested test cases were correctly configured.

The documents STS\_samlRequest.xml and STS\_samlResponse.xml provide STS request/response examples.

Currently, individuals and organizations can have access to the eHealth service.

### 3.1. Healthcare professional

The request for the SAML token is secured with the eID<sup>1</sup> of the professional. The certificate used by the Holder-Of-Key (HOK) verification mechanism is an eHealth certificate. The needed attributes are the following (AttributeNamespace: "urn:be:fgov:identification-namespace"):

- The social security identification number of the professional:  
*urn:be:fgov:ehealth:1.0:certificateholder:person:ssin* and *urn:be:fgov:person:ssin*

For each professional, eHealth has to assert the following information:

- The social security identification number of the professional : (AttributeNamespace: "urn:be:fgov:identification-namespace") *urn:be:fgov:ehealth:1.0:certificateholder:person:ssin* and *urn:be:fgov:person:ssin*
- The user uses his/her personal certificate (AttributeNamespace: "urn:be:fgov:certified-namespace:ehealth"): *urn:be:fgov:ehealth:1.0:certificateholder:person:ssin:usersession:boolean*

Depending on the professional category, other attributes may be asserted by eHealth. These attributes are listed in the below sections.

#### 3.1.1. Doctor

Doctor must also request this attribute in the AttributeQuery :

- The professional must be a recognized doctor with visa (AttributeNamespace: "urn:be:fgov:certified-namespace:ehealth"): *urn:be:fgov:person:ssin:ehealth:1.0:fpsph:doctor:boolean*

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<sup>1</sup> As fallback, in absence of the eID, the personal eHealth certificate can be used for authentication instead.



### 3.1.2. Dentist

Dentist must also request this attribute in the AttributeQuery :

- The professional must be a recognized dentist with visa (AttributeNamespace: "urn:be:fgov:certified-namespace:ehealth"):  
*urn:be:fgov:person:ssin:ehealth:1.0:fpsph:dentist:boolean*

### 3.1.3. Midwife

Midwife must also request this attribute in the AttributeQuery :

- The professional must be a recognized dentist with visa (AttributeNamespace: "urn:be:fgov:certified-namespace:ehealth"):  
*urn:be:fgov:person:ssin:ehealth:1.0:fpsph:midwife:boolean*

## 3.2. Organizations

The request for the SAML token is secured with the certificate of the organization issued by eHealth. This certificate is used by the Holder-of-Key (HOK) mechanism. The attributes that need to be provided in the request are the following (AttributeNamespace: *urn:be:fgov:identification-namespace*):

### 3.2.1. Hospital

The needed attributes are the following (AttributeNamespace: "urn:be:fgov:identification-namespace"):

- The NIHII number of the hospital :
  - *urn:be:fgov:ehealth:1.0:hospital:nihii-number*
  - *urn:be:fgov:ehealth:1.0:certificateholder:hospital:nihii-number*

Hospital must also specify which information must be asserted by eHealth:

- The NIHII number of the hospital (AttributeNamespace: "urn:be:fgov:identification-namespace"):
  - *urn:be:fgov:ehealth:1.0:hospital:nihii-number*
  - *urn:be:fgov:ehealth:1.0:certificateholder:hospital:nihii-number*
- The hospital must be a recognized hospital (AttributeNamespace: urn:be:fgov:certifiednamespace:ehealth):  
*urn:be:fgov:ehealth:1.0:certificateholder:hospital:nihii-number:recognisedhospital:boolean*

### 3.2.2. Group of doctors

The needed attributes are the following (AttributeNamespace: "urn:be:fgov:identification-namespace"):

- The NIHII number of the group of doctors:
  - *urn:be:fgov:ehealth:1.0:groupofdoctors:nihii-number*
  - *urn:be:fgov:ehealth:1.0:certificateholder:groupofdoctors:nihii-number*

Group of doctors must also specify which information must be asserted by eHealth:

- The NIHII number of the group of doctors (AttributeNamespace: "urn:be:fgov:identification-namespace"):
  - *urn:be:fgov:ehealth:1.0:groupofdoctors:nihii-number*
  - *urn:be:fgov:ehealth:1.0:certificateholder:groupofdoctors:nihii-number*



- The group of doctors must be a recognized group of doctors (AttributeNamespace: urn:be:fgov:certifiednamespace:ehealth):

*urn:be:fgov:ehealth:1.0:certificateholder:groupofdoctors:nihii-number:recognisedgroupofdoctors:boolean*

### 3.2.3. Office of doctors

The needed attributes are the following (AttributeNamespace: "urn:be:fgov:identification-namespace"):

- The NIHII number of the office of doctors:
  - *urn:be:fgov:ehealth:1.0:officedoctors:nihii-number*
  - *urn:be:fgov:ehealth:1.0:certificateholder:officedoctors:nihii-number*

Office of doctors must also specify which information must be asserted by eHealth:

- The NIHII number of the office of doctors (AttributeNamespace: "urn:be:fgov:identification-namespace"):
  - *urn:be:fgov:ehealth:1.0:officedoctors:nihii-number*
  - *urn:be:fgov:ehealth:1.0:certificateholder:officedoctors:nihii-number*

- The office of doctors must be a recognized office of doctors (AttributeNamespace: urn:be:fgov:certifiednamespace:ehealth):

*urn:be:fgov:ehealth:1.0:certificateholder:officedoctors:nihii-number:recognisedofficedoctors:boolean*

### 3.2.4. Medical house

The needed attributes are the following (AttributeNamespace: "urn:be:fgov:identification-namespace"):

- The NIHII number of the medical house:
  - *urn:be:fgov:ehealth:1.0:medicalhouse:nihii-number*
  - *urn:be:fgov:ehealth:1.0:certificateholder:medicalhouse:nihii-number*

Medical house must also specify which information must be asserted by eHealth:

- The NIHII number of the medical house (AttributeNamespace: "urn:be:fgov:identification-namespace"):
  - *urn:be:fgov:ehealth:1.0:medicalhouse:nihii-number*
  - *urn:be:fgov:ehealth:1.0:certificateholder:medicalhouse:nihii-number*

- The medical house must be a recognized medical house (AttributeNamespace: urn:be:fgov:certifiednamespace:ehealth):

*urn:be:fgov:ehealth:1.0:certificateholder:medicalhouse:nihii-number:recognisedmedicalhouse:boolean*

### 3.2.5. Limited list of "CBE" organizations

The needed attributes are the following (AttributeNamespace: "urn:be:fgov:identification-namespace"):

- The CBE number of the enterprise:
 

*urn:be:fgov:ehealth:1.0:certificateholder:enterprise:cbe-number*

The enterprise must also specify which information must be asserted by eHealth:

- The CBE number of the organization (AttributeNamespace: "urn:be:fgov:identification-namespace"):
 

*urn:be:fgov:ehealth:1.0:certificateholder:enterprise:cbe-number*



- The organization must be recognized in the limited list of enterprises authorized to access to the DAAS (AttributeNamespace: urn:be:fgov:certifiednamespace:ehealth):

*urn:be:fgov:ehealth:1.0:certificateholder:enterprise:cbe-number:ehealth:1.0:cbe\_daas\_authorized:boolean*

### 3.2.6. Limited list of “EHP” organizations

The needed attributes are the following (AttributeNamespace: "urn:be:fgov:identification-namespace"):

- The EHP number of the enterprise:

*urn:be:fgov:ehealth:1.0:certificateholder:organization:eHP-number*

The organization must also specify which information must be asserted by eHealth:

- The EHP number of the organization (AttributeNamespace: “urn:be:fgov:identification-namespace”):

*urn:be:fgov:ehealth:1.0:certificateholder:organization:eHP-number*

- The organization must be recognized in the limited list of organizations authorized to access to the DAAS (AttributeNamespace: urn:be:fgov:certifiednamespace:ehealth):

*urn:be:fgov:ehealth:1.0:certificateholder:organization:eHP-number:ehealth:1.0:eHP\_daas\_authorized:boolean*

### 3.2.7. HIO

The needed attributes are the following (AttributeNamespace: "urn:be:fgov:identification-namespace"):

- The CBE number of the organization:

*urn:be:fgov:ehealth:1.0:certificateholder:enterprise:cbe-number*

The organization must also specify which information must be asserted by eHealth:

- The CBE number of the organization (AttributeNamespace: “urn:be:fgov:identification-namespace”):

*urn:be:fgov:ehealth:1.0:certificateholder:enterprise:cbe-number*

- The organization must be a recognized insurance company (AttributeNamespace: urn:be:fgov:certifiednamespace:ehealth):

*urn:be:fgov:ehealth:1.0:certificateholder:enterprise:cbe-number:ehealth:1.0:hio:boolean*

