Procedure: Onboarding for Digital Referral Prescription (UHMEP /eReferral) M2M integration

1. Introduction

UHMEP ("Unaddressed Health Message Exchange Platform") is a **platform** designed to support the digital management of referral prescriptions and related medical proposals. It serves as a centralized exchange platform where referral prescriptions and medical proposals are stored, shared and accessed securely by both healthcare professionals and patients.

Within this **platform**, **eReferral** refers to the digital referral prescription application or service that leverages UHMEP to generate, transmit and process electronic referrals between prescribers, caregivers and patients. In practice, **eReferral** provides the functionality for healthcare providers to create referral prescriptions digitally and exchange them through the UHMEP infrastructure.

At the heart of the digital referral prescription solution is the UHMEP ("Unaddressed Health Message Exchange Platform") database. This database will contain the referral prescriptions for all Belgian citizens and on which the **eReferral application** operates to streamline and secure referral prescription workflows across the healthcare ecosystem.The UHMEP/eReferral REST service allows users to access this information. Initially limited to specific individual healthcare professions (Physicians, Nurses and Midwives), the application is made available for *eReferral care organizations* wherefore a M2M client access is required to be activated.

The underlying onboarding procedure is applicable for this machine-to-machine onboarding.

Please refer to the Digital Referral Prescription Integration Guide for detailed guidance.

2. Onboarding client for REST services

2.1 General

In the case of the REST services, it is necessary to request integration using the I.AM Connect forms.

- I.AM Connect form:
  See "***I.AM Connect M2M"***

- Description of user groups:
  It is requested to clearly describe the different user groups and/or organizations that will use the UHMEP/eReferral service (e.g., doctors, nurses, group of doctors, proxy, hospitals, etc…). This description should be part of the application email, with the I.AM Connect form attached onto the email.

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2.2 Target groups : *UHMEP/eReferral care organizations*

The organizations authorized to handle UHMEP/eReferral in Belgium and requiring to notify their transfers (purchases/sales) via this service, in particular those that use the "client credentials flow". This procedure is only applicable for existing and authorized clients with certificates.

- HOME_SERVICES
- GROUPOFNURSES
- REEDUCATION
- OTD_PHARMACY
- GUARD_POST
- HOSPITAL
- MEDICAL_HOUSE
- OFFICE_DOCTORS
- GROUPOFDOCTORS

2.3 Form

To submit the request, the "*I.AM Connect M2M*" form must be used. It is available on the portal of the eHealthplatform[1].

- o **Section 3**

    - ▪ **Required Information:**

      Client ID: The proposed client ID will be validated by the eHealth platform. It is usually structured as **"NIHII-12345678-xxx",** where the second part is your NIHII number, in function of the type.

    - ▪ **Credentials eHealth certificate JWKS:**

        1. **type:** Type of identifier (e.g. "NIHII institution").

        2. **Identifier:** Healthcare organisation identifier (NIHII number).

        3. **Application identifier (*optional*) :** The eventual application ID from the certificate in case when more than one certificate is used in the context of UHMEP/eReferral for the same type + identifier combination.

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[1] https://ehealth.fgov.be/ehealthplatform/fr/service-i.am-identity-access-management

2.4   How to apply for onboarding

After contacting the project owner and identifying your integration solution you are ready to take the next step: to register yourself as a candidate by sending an email

- with title "*UHMEP - Configure Client REST in realm M2M*":
- **TO** integration-support@ehealth.fgov.be
- and in **COPY** of the email: *kris.vanaken@ehealth.fgov.be* and *Maarten.Cobbaert@RIZIV-INAMI.fgov.be*;

with following DATA (in the e-mail body):

- Your first and last name
- Your organisation
- Your email address
- The context and purpose of using digital referral prescription services
- Which solution you are interested in
- Type of users
- Volumetry

and attaching the necessary completed ONBOARDING FORMS.

Important remark: if you use the *web application*, you do not need to fill out an onboarding form.

2.4.1   Onboarding forms

In case you plan to use web components, web API or a combination with either (web components or web API) following document must be completed:

- 1 IAM Connect client registration document
  - *IAM Connect M2M realm client registration request form*

More detailed information (links, how to complete them,…) can be found in the integration guide.

Integration support (after receiving the documents via email as explained above) will verify the validity of the signatures and provide the correctly signed contracts to the eHealth platform security service for further processing and configuration of the services by integration-support. Once the configuration of the new client is effectuated, the Client-ID will be confirmed to you.

For acceptance testing:

Please do not forget to send (via email to integration-support@ehealth.fgov.be) the excel file with the requested testprofiles that will perform the tests to request the necessary testcases.

2.4.2   Technical tests eHealth

The tests to be performed are detailed in the **eReferral Integration Guide** document.

Software integrators must realize mandatory testing in ACC before onboarding into production. The objective is to prove that the basic eHealth service (token, pseudonymization, token exchange) have been implemented correctly.