Onboarding REST PADAC WS Matrix

Integration Guide

This document is a manual for integrating the REST PDAC WS MATRIX, it provides guidelines and instructions to ensure seamless integraton in the project.

Contact: integration-support@ehealth.fgov.be

1. Dependencies, Recommendations & Warnings

The purpose of the access matrix management service is to:

- store the patient's choices regarding his desire to adhere to the standard access matrix or to derogate from it both in terms of openings and access closures;

- allow the consultation of these choices by:

  • holders of health documents/information to validate access;

  • by patients via portals;

  • or practitioners via their business software.

The service is accessible via a REST Webservice: see cookbook "Matrix WS - REST Cookbook".

If an eDu exists for example for the integration of other ehealth services, it is necessary to update it in order to add the Matrix service.

> eDUs exist for RECIP-e / Hub / Safes and Masanté. These must be aligned to incorporate the Access Matrix service. The guidelines contained in this document should also be used to update/establish related IAM Connect configurations.

For first-line software that would like to access the service, IAM connect onboarding forms can be used as a simplified procedure (in place of a single file). However, if a single folder has been set up for the software, it will need to be updated to integrate the use of this service in order to keep a complete view of the use of eHealth services.

2. Onboarding client for REST SERVICE

2.1 General Information

The IAM Connect Client Registration Form

To access the environment, a client registration request must be submitted by completing the appropriate form and sending it to eHealth Integration Support (see details below in the document).

Two forms are available for the integration (on-boarding) request as per section 2.3: one for configuring an IAM Connect client in the Healthcare realm, and another for configuring an IAM Connect client in the M2M realm.

- Form for Configuring an IAM Connect Client in the Healthcare Realm: Use this form when the application will be used by individual end-users who authenticate themselves. For example: a citizen or a doctor connecting to a portal to view medical data.

- Form for Configuring an IAM Connect Client in the M2M Realm: Use this form when the application identifies itself as an "application" (using an eHealth certificate) and no data related to individual end-users is transmitted.

Note: The eDU explicitly describes the type of access available based on the targeted group.

Next Steps After Completing the On-boarding Form
Once the partner has completed the applicable integration form (Healthcare realm or M2M realm) and has read it thoroughly, the next steps are as follows:

- The partner sends an email to integration-support@ehealth.fgov.be and CCs the eHealth project manager(s) for IAM & PADAC WS Matrix: (peter.laridon@ehealth.fgov.be + stephane.houpresse@ehealth.fgov.be).
  - Email subject: "Configure IAM Connect client REST_PDAC WS Matrix for <Partner's Name>"
  - Purpose
  - Volume estimation
  - Attached document: duly completed on-boarding form (Healthcare realm or M2M realm).

Under What Conditions Can the Configuration Be Deployed to Production After Acceptance Testing?

- The client is first configured in the acceptance environment.
- It must then perform the required tests in acceptance to demonstrate that user authentication is functioning correctly. The list of minimum expected tests is available at the end of the cookbook, with additional specific tests defined based on the intended use. These additional tests are based on the service usage guidelines.
- Finally, the client must communicate the test results in writing to the Integration Support team and copy the project manager.

2.2 Target Groups

The authorized target groups are patients, MDM proxies who are parents of minors via the MaSanté portal, Hubs and authorized safes/organizations (e.g., RECIP-E), and AR78. Each software intended for AR78 can request the configuration of a client in the eHealth IAM Connect authorization server to use the client credentials flow (as described in "Identity & Authorization Management (I.AM) Mobile integration - Technical specifications").

2.3 Form Introduction

Use Case: Patient via MaSanté Portal (including MDM proxies and parents of minors): the "IAM Connect HealthCare REALM client registration" form via AuthCode flow must be used. Client Scope that can be requested: (role): manager (including Reader) = “padac:matrix:manager”

Use Case: AR78, consultation via business software: the "IAM Connect HealthCare REALM client registration" form via AuthCode flow must be used. Client Scope (role) that can be requested: reader = “padac:matrix:reader”

Use Case: Hubs / Safes and authorized organizations (RECIP-e): the "IAM Connect M2M client registration" form must be used. Client Scope (role):

- Hubs, role that can be requested = Reader: “padac:matrix:reader”
  - Exception 1 (RSW), roles that can be requested = READER: “padac:matrix:reader” & “padac:matrix:reader:audit”
  - Exception 2 (VITALINK), role that can be requested = READER: “padac:matrix:reader:pseudo”

Elements to be provided in the form:

- Section 4 General Information / Information about your software
  - **Client ID:** Identifier of the organization, which differs depending on the type of organization:
  - For a company: cbe-XXXXXXXXXX where XXXXXXXXXX is the CBE identifier.
  - For an eHealth institution: ehp-XXXXXXXXXX where XXXXXXXXXX is the EHP identifier.
  - This identifier is configured by eHealth. If the partner organization already has an existing I.AM Connect Healthcare client, the partner can choose (or not) to request the reuse of the existing client ID if possible.
  - **Name:** Name of the organization.
  - **Description:**
  - You must mention the software provider if applicable.

- Section “Credentials”
  - **Identifier:** Identifier of the client’s identity (NIHII or CBE or EHP number)
  - **Type:** Type of identifier (e.g., EHP, CBE, NIHII-HOSPITAL, etc.).
  - **Application Identifier** (optional): Application ID for this identifier. Element to determine the institution's certificate used based on the Application ID of the eHealth certificate. If your used certificate does not contain an Application ID, leave this field blank.

- Mention client scope : cf Use Case

2.4 What are the conditions for integrating the PADAC WS Matrix service?

- Be part of the authorized target groups.
- Contact the Integration Support team, explaining your context, the purpose, and providing a volume estimation of your project (refer to the email description to be sent in section 2.1). Send back the required information and the completed ad-hoc form, with the ad-hoc project manager in CC.
- Depending on the planned use, specific tests related to the service usage guidelines will be required.

2.5 What are the conditions for activating the PADAC WS Matrix service in production?

- Perform the required tests (see PADAC – WS Service User Guidelines & Testing document) to demonstrate that the service operates correctly and adheres to best practices for the service.
- Provide the written results of these tests to the Integration Support team, which will verify the traffic of your tests and the specific test results based on the service usage guidelines.