High-Level Requirement - OpenCRVS/OpenSPP Integration

Introduction

Objective: Demonstrate the integration of OpenCRVS and OpenSPP using the G2P-Connect / DCI Standard APIs by executing selected social protection workflows within the DPI Living Lab environment.

Scope

Enable the following workflows:
- Enrolment for child allowance

System Requirements

1. Environment Setup and Deployment
   a. Access to the DPI Living Lab infrastructure.
   b. Deployment of the latest versions of OpenCRVS and OpenSPP exposing/using the new APIs.
2. Workflow Selection and Confirmation
   a. Confirmation of the workflow(s) to be demonstrated, starting with child allowance enrolment.
3. Demo Country and Reference Data
   a. Establishment of Farajaland as the demo country.
   b. Preparation of the reference data required for the demo.

Functional Requirements

1. Scheme Creation and Data Exchange
   a. Creation of the child allowance scheme in OpenSPP requiring the search functionality of OpenCRVS
   b. Exchange and preparation of the test data required to support the demo e.g. 9 births which make mother's eligible / 10 ineligible births /
      - Mother 1: single birth (born in last 12 months)
      - Mother 2: single birth (born in last 12 months)
      - Mother 3: twins (born in last 12 months)
      - Mother 4: triplets (born in last 12 months)
      - Mother 5: 2 single births (born in the last 12 months)
2. OpenSPP process/workflow
   a. Implement a dedicated Enrollment/Eligibility Manager module within OpenSPP to manage the social protection program
   b. Develop a user interface screen to input search criteria for identifying all individuals eligible for the program e.g.

- Select all mothers WHERE registered child < 1 year old AND child was registered within Central Province
  1. ~~Mother's with a usual place of residence within e.g. Central Province~~

    c. Populate the OpenSPP registry with data fetched based on the search criteria. This data should be viewable in the UI as a demonstration that the data has been fetched from OpenCRVS.

    d. The program should be specific to individual-level data.

    e. Implement a workflow that consists of the following steps:
- Program Selection, Cycle Configuration, Disbursement Execution

    f. Add functionality to run the entire workflow as a one-time Distribution for initial testing and demonstration purposes.

3. Testing and Demonstration
   a. Comprehensive testing of the integrated workflow.
   b. Preparation of the demonstration setup within the DPI Living Lab.

Milestones

Completion and demonstration of the integrated workflow(s) in the DPI Living Lab by the end of November.

References

Locations as .well-known/locations.json (the id's will change between OpenCRVS installations)
https://dci.opencrvs.lab.cdpi.dev/.well-known/locations.json