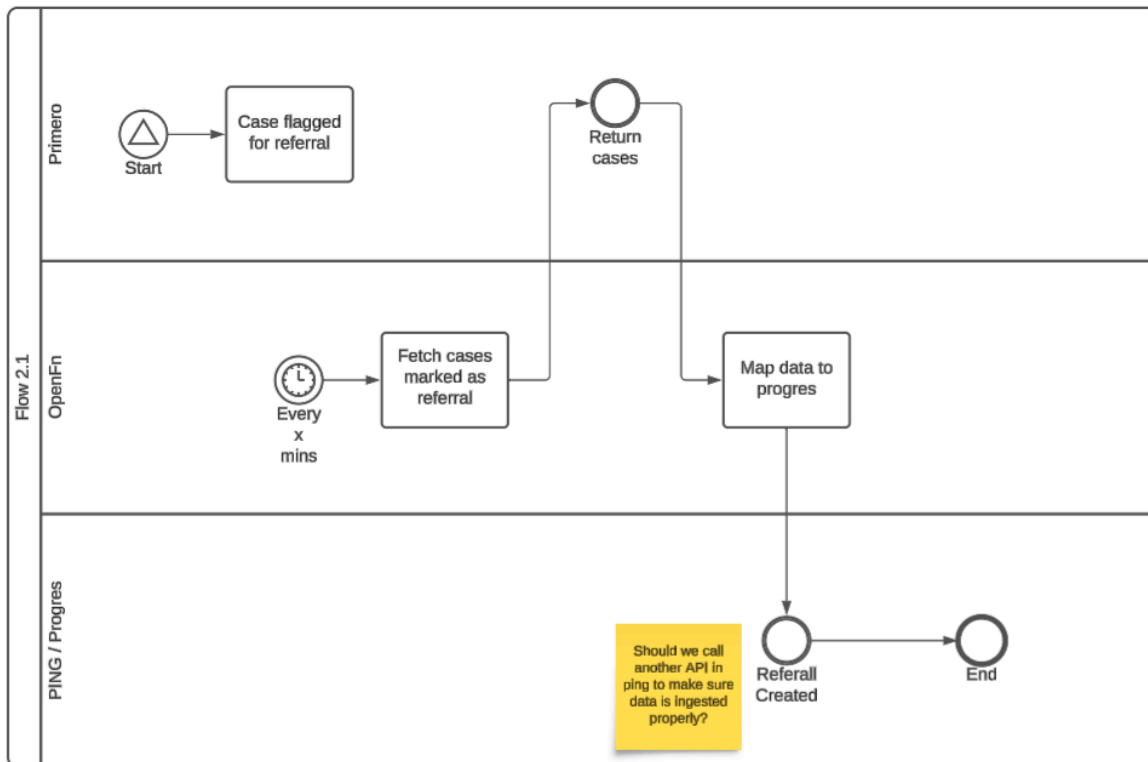


Data Flow 2.1 PRIMERO to proGres Referrals

UNHCR

Solution Requirements

This document defines the requirements for integrating PRIMERO and proGres to enable the transfer of 'Referrals' with a new workflow utilizing PING as the middleware and orchestrated by OpenFN.



Integration of PRIMERO Referrals via OpenFN and PING

Process Flow

The end-to-end process for transferring a 'Referral' from PRIMERO to proGres is as follows:

1. A Case Worker in PRIMERO flags a 'Referral' for transfer to the proGres Child Protection (CP) module.
2. PRIMERO transfers the complete 'Referral' data to an OpenFN endpoint.
3. Processing in OpenFN:
 - a. OpenFN captures the 'Referral' data from PRIMERO.
 - b. It performs the necessary data mapping and transformations to convert the PRIMERO data structure into the JSON format required by the PING Ingestion API.
4. Data Ingestion into PING:
 - a. OpenFN authenticates with PING API using the provided credentials (Bearer Token).
 - b. OpenFN sends the transformed JSON payload to PING to initiate the data transfer to proGres.
5. Processing in PING:
 - a. An incoming Shipping Process in PING (SHP-2731 for testing) receives the data.
 - b. PING processes the payload and creates a new 'Referral' record in the proGres 'progres_interoperabilityreferral' entity.

Functional Requirements:

1. For the OpenFN Team:
 - a. Implement the logic to capture 'Referral' data sent from PRIMERO.
 - b. Develop the data mapping and transformation required to convert the PRIMERO data into the PING-specified JSON format. This includes handling all necessary data type and format conversions.
 - c. Implement the logic to authenticate to the PING Ingestion API and the functionality to upload the JSON payload to PING.

2. For the PING Team:
 - a. Provide the JSON payload structure required to call the PING Ingestion API for this process. This specification must include the correct usage of the 'ExternalID' and 'ExternalGUID' fields.
 - b. Configure the incoming Shipping Process 'SHP-2731' in the BAU-UAT environment to correctly process the incoming payload and create the 'Referral' in proGres.
 - c. Evaluate whether to use the "Validation" features within the Shipping Process ('SHP-2731') and/or the "Data Validations" at the Shipping Process Flow (SPF) level to ensure data quality for this flow.

Technical considerations:

- Data Mapping: the previous integration with DTP involved specific data mapping and transformation rules that will need to be replicated. While the technical implementation will differ, the business logic remains relevant. Key mappings included:
 - o Business Unit: Mapping based on the 'progres_businessunit' lookup.
 - o Originating Organization: Mapping using the 'progres_organizationfrom' lookup.
 - o Protection Concerns: Mapping based on the 'progres_spedcategory-sub' map.
 - o Requested Services: Mapping using the 'progres_requestedservice' lookup.
 - Ingestion status: For details on how to check the status of the data ingestion, see the document "Data Flow 1.2 PRIMERO to proGres Referral Decision.docx", section " Step 2: Ingestion Status and Confirmation".
 - The JSON previously used in the DTP integration [[DTP Workflow Design and Payloads](#)] is deprecated. It can be used as a reference for understanding the data fields but must not be used for this implementation. The PING team will provide the new, definitive JSON structure.
3. All initial development and testing will be performed in the PING BAU-UAT environment.