Data Manager



... build understanding of data manager - take-on, duplicate detection, enrichment validation

- · identify actions in each step, and relationships between entities
- retrieved from 6_mgp_dev

Data Manager

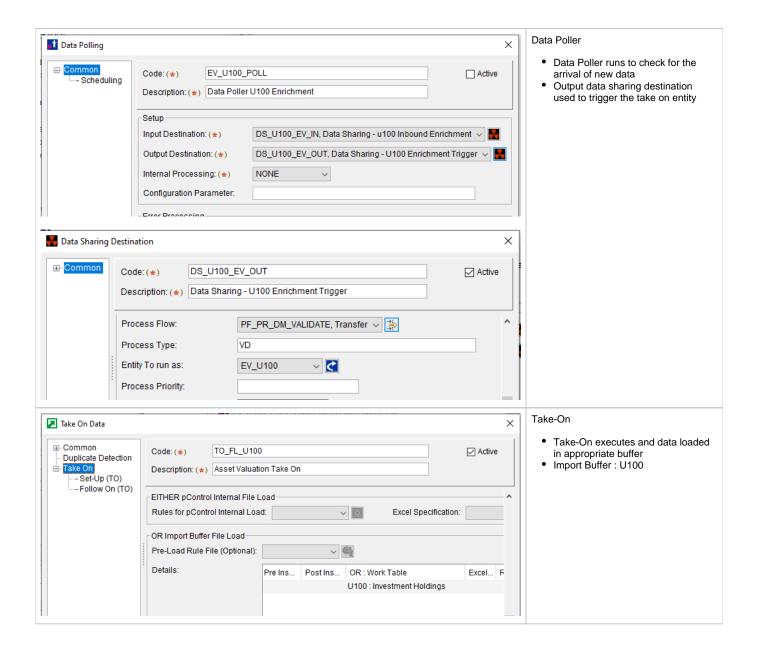
Data Manager is used to facilitate the movement of data within pControl, for use in further internal processing, or as a storage place before exporting in various formats. Key functions are below.

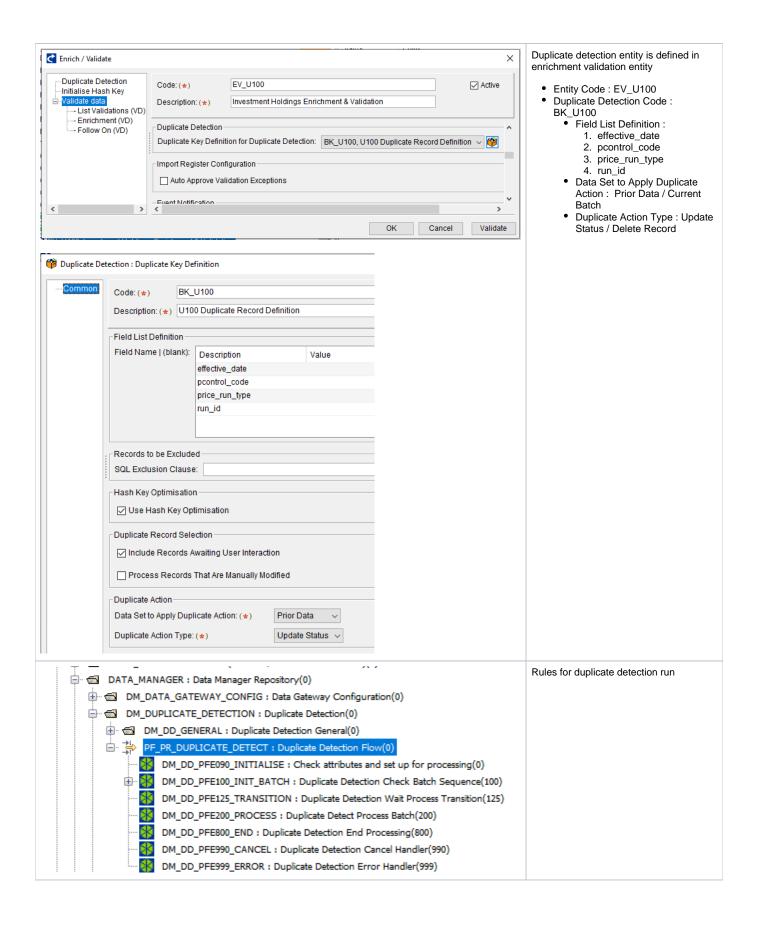
- Data Poller : Detection of data as it becomes available in defined locations
- Take-On: Loading data from external sources into pControl from file or database
 - · File name checking, file format checking
 - Create entry in p135_import_register table : once the take-on process starts, the process will be tracked
 - Import data to Buffer
 - Assign unique batch_id
 - Undertake Duplicate Detection (optional)
- Enrichment Validation : Detect duplicates, and validate import data based on specified criteria
 - Field validation (mandatory, type, range etc)
 - Field Enrichment & Lookup Mapping
 - User-defined validations
 - Update entry in p135_import_register table
- · Hand-Off: Exporting of data from pControl to a file or another database
 - Create entry in p130_distribution_register table

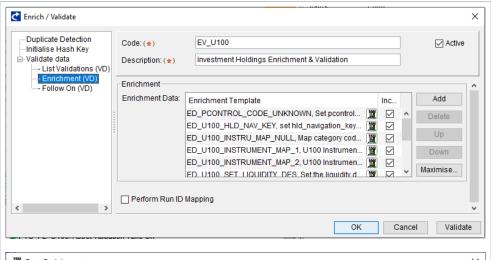
UI example of data manager key functions

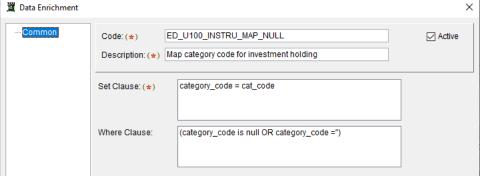
PControl UI	Description
	Data Manager entity has left tree hierarchy
TO_FL_U365: Cash Balance Take On	
▼ TO_FL_U380: Inflight Transactions Take On	
EV_U100: Investment Holdings Enrichment & Validation	
⊕ at EV_U100_POLL: Data Poller U100 Enrichment	
TO_FL_U100_INTERLINK: U100 File Txt file	
TO_FL_U100: Asset Valuation Take On	
BK_U100: U100 Duplicate Record Definition	

SQL example



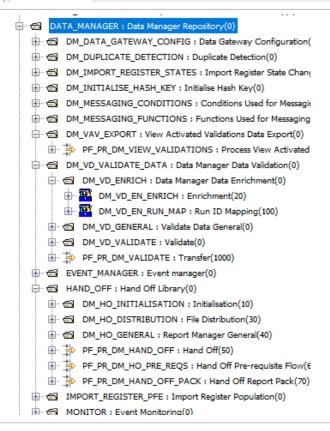






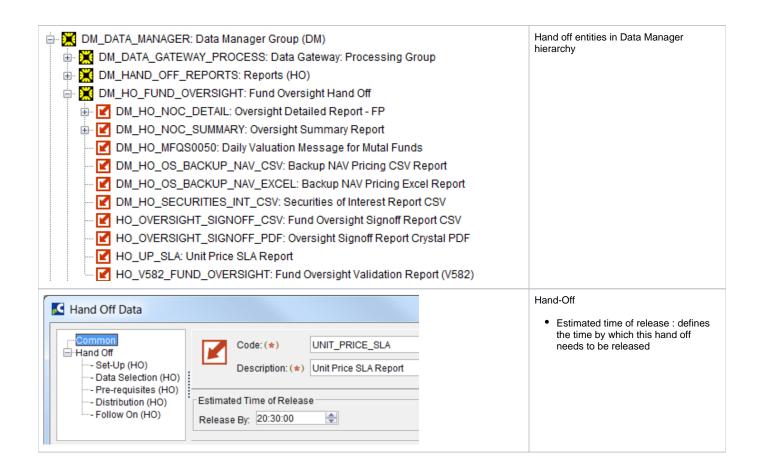
Enrichment processes are defined in enrichment validation entity

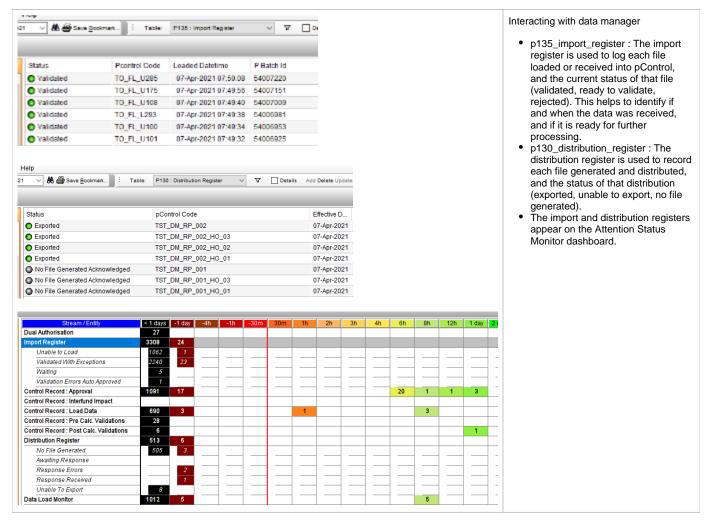
- Entity Code : EV_U100
- Enrichment Data :
 - ED_PCONTROL_CODE_UNK NOWN,
 - 2. ED_U100_HLD_NAV_KEY
 - 3. ED_U100_INSTRU_MAP_NULL
 4. ...
- · Open one of the enrichment data
 - set clause : category_code = cat_code
 - where clause: (category_code is null OR category_code=")



Rules for enrichment validation run

- checks all dates are valid dates
- checks all prices are in numeric format
- p_status updated to 'S' for records successfully validated
- records failing validation are set to 'G' for in progress error





Ref.

Use of database views in pControl