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Business Requirement Document

Transforming information to create insights and predictions.



# **Purpose/summary**

The scope of this exercise is to create a report that identifies politically exposed people (PEP).

# **BUSINESS PROBLEMS & ISSUES**

OneSurance, as a financial services institution, needs to comply with regulatory requirements and ensure that the organization does not do business with PEP (politically exposed people) or sanctioned people. E.g. Osama Bin laden is a sanction individual therefore, according to regulation, OneSurance should not do business with him.

The fundamental problem is that during on-boarding of customers, OneSurance does not know whether a potential is a PEP or sanctioned person or not, so OneSurance accepts all customers. In the absence of a system that allows for real time screening of PEP or sanctioned customers, OneSurance has requested for a solution to identify sanctioned and PEP individuals once the onboarding process has been completed. This way they can retroactively rescind contracts offered to PEP and sanctioned individuals.

Business is also concerned that there are multiple source systems that contain client information within the organization. The same client can exist in multiple source systems depending on the insurance policy that have they with OneSurance. Retirement Annuity policies are kept in Ramco System, Life policies are kept on the Livelong system and Investments are kept on the MasterInvest system.

PEP or Sanctioned criteria: OneSurance has an external that provides an international list of PEP and Sanctioned individuals. A customer is regarded as a potential pep or sanction individual if his or her First, Last Name, Date of Birth and Country of birth matches 1 or more of the candidates listed in the SanctionScanner list.

# **ASSUMPTIONS**

* All data coming from the source systems is clean and accurate.
* Full access to all the data required to create reports.
* The solution for sourcing the data from Sanction Scanner is already implemented
* The solution for pulling data into an operational data store is already implemented
* The structure of customer tables on all 3 policy master systems has common attributes [customer id, first name, last name, date of birth, country of birth]. Other fields maybe different but these are the most important fields for this exercise
* The customer ID is consistent throughout source systems. If Liz Grant’s customer ID is 555 on Ramco, her customer ID on LiveLong and Master Invest is also 555 (provided she has a Life policy and or an Investment policy with OneSurance).
* All ETL processes are working and process data using batch processing, once a day (00:00).
* Business expects reports to be delivered at 8:00 am every day. Monday to Friday.

# **REQUIREMENTS**

## ETL requirements

* Write a SQL script that combines all customer information from the three difference systems. [Ramco, Livelong, MasterInvets]
* The data must be stored in a table that contains the below attributes.
  + Customer Id
  + First name
  + Last Name
  + Date of birth
  + Country of birth
  + Policy Type [“Retirement Annuity”, “Life Policy”,”Investment”]
  + Policy Activation Date
  + Source System Name [“Name of the system that provided this record”]
  + Master Record [“is the record that is known as the master record due to business rules see”]
  + Rules :
    - The most trusted source of data is “Livelong” If a customer exists in Livelong make that the master record for that customer.
    - If the customer does not exist in Livelong but exists in Ramco and Masterinvest, you need to compare the dates of “Policy Activation Date” and mark the master record as the record that has the max/latest Policy Activation Date.

## Report Requirement

* Create a report that shows a unique list of potential politically exposed and sanctioned customers as well as the number of times each customer record matched the SanctionScanner list. Below are the report output column names:
  + Customer Id
  + First name
  + Last Name
  + Source System Name
  + Master Record [Y/N] --Hint: Should always be Y
  + Number of Matches
* The regulatory team is very happy with the report that they have received, however they need the top 10% of the customers with the most matches as they need to prioritize which customers they need to look into first. Create a report that only shows the top 10% of customers with the most matches.