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6 May 2024

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Business Requirement Document

Transforming information to create insights and predictions.



Table of Contents

[**1.** **Purpose/summary** 1](#_Toc165898438)

[**2.** **BUSINESS PROBLEMS & ISSUES** 1](#_Toc165898439)

[**3.** **ASSUMPTIONS** 1](#_Toc165898440)

[**4.** **REQUIREMENTS** 2](#_Toc165898441)

[4.1 ETL requirements 2](#_Toc165898442)

[4.2 Report Requirements 3](#_Toc165898443)

# **PURPOSE**

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 organisation 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 customer 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 withdraw contracts offered to PEP and sanctioned individuals.

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

PEP or Sanctioned criteria: OneSurance has an external list 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 SanctionedList.

# **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 may be different, but these are the most important fields for this exercise.
* The Customer ID is consistent throughout source systems. If Jane Doe’s customer ID is 555 on RetInvest, her Customer ID on LifeInvest and SecureInvest 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**

The following requirements must be met and submitted ot OneSure.

## ETL requirements

* Write a SQL script that combines all customer information from the three difference systems. [SecureInvest, RetInvest and LifeInvest]
* 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”]
  + Business Rules:
    - The most trusted source of data is “LifeInvest” If a customer exists in LifeInvest make that the master record for that customer.
    - If the customer does not exist in LifeInvest but exists in RetInvest and SecureInvest, 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 Requirements

* 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 SanctionedList. Below are the report output column names:
  + Customer ID
  + First name
  + Last Name
  + Country of Origan
  + Source System Name
  + Master Record [Y/N] -- Hint: Should always be Y
  + Number of Source system 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.