ETL Design Document

Baloise\_POC\_Template2

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Revision History

|  |  |  |  |  |
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# Mapping Overview

This Baloise\_POC\_Template2 mapping/package will load the data into table CONTRACT from 172.25.164.63/POC\_DATA system.

|  |  |
| --- | --- |
| **SOURCE** |  |
| **TARGET** | CONTRACT |
| **LOOKUP** |  |
| **MAPPING NAME** | Baloise\_POC\_Template2 |

# Source Tables

This section provides details on each of the attribute from source table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Table Name** | **Ordinal Position** | **Attribute Name** | **Business Name** | **Data Type** | **Size** |
|  |  |  |  |  |  |
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# Target Tables

This section provides details on each of the attribute from Target table CONTRACT

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Table Name** | **Ordinal Position** | **Attribute Name** | **Business Name** | **Data Type** | **Size** |
| CONTRACT | 1 | ContractIdentifier | ContractIdentifier | bigint | 19 |
| CONTRACT | 2 | ContractVersionNumber | ContractVersionNumber | numeric | 3 |
| CONTRACT | 3 | ContractIdentifierSourceInt | ContractIdentifierSourceInt | nvarchar | 20 |
| CONTRACT | 4 | ContractVersionNumberSourceInt | ContractVersionNumberSourceInt | numeric | 3 |
| CONTRACT | 5 | ContractIdentifierSourceExt | ContractIdentifierSourceExt | nvarchar | 20 |
| CONTRACT | 6 | ContractVersionNumberSourceExt | ContractVersionNumberSourceExt | numeric | 3 |
| CONTRACT | 7 | SourceProductName | SourceProductName | nvarchar | 40 |
| CONTRACT | 8 | SourceTariffCode | SourceTariffCode | nvarchar | 10 |
| CONTRACT | 9 | ProposalIdentifier | ProposalIdentifier | nvarchar | 20 |
| CONTRACT | 10 | SourceSystem | SourceSystem | nvarchar | 20 |
| CONTRACT | 11 | InsuranceProductTypeCode | InsuranceProductTypeCode | nvarchar | 2 |
| CONTRACT | 12 | TaxabilityTypeCode | TaxabilityTypeCode | nvarchar | 2 |
| CONTRACT | 13 | ContractLanguage | ContractLanguage | nvarchar | 2 |
| CONTRACT | 14 | ContractInceptionDateAndTime | ContractInceptionDateAndTime | date |  |
| CONTRACT | 15 | ContractEndDate | ContractEndDate | date |  |
| CONTRACT | 16 | RenewalMainDate | RenewalMainDate | date |  |
| CONTRACT | 17 | ContractStatusDate | ContractStatusDate | date |  |
| CONTRACT | 18 | ContractStatusCode | ContractStatusCode | nvarchar | 10 |
| CONTRACT | 19 | EndorsementEffectiveDate | EndorsementEffectiveDate | date |  |
| CONTRACT | 20 | ContractDataEntryDateAndTime | ContractDataEntryDateAndTime | date |  |
| CONTRACT | 21 | EndorsementTechnicalDate | EndorsementTechnicalDate | date |  |
| CONTRACT | 22 | EndorsementCreationDate | EndorsementCreationDate | date |  |
| CONTRACT | 23 | EndorsementModificationDate | EndorsementModificationDate | date |  |
| CONTRACT | 24 | PremiumPaymentEndDate | PremiumPaymentEndDate | date |  |
| CONTRACT | 25 | PremiumFreeDate | PremiumFreeDate | date |  |
| CONTRACT | 26 | EmploymentEndDate | EmploymentEndDate | date |  |
| CONTRACT | 27 | PaymentFrequencyCode | PaymentFrequencyCode | numeric | 2 |
| CONTRACT | 28 | IndexationTypeCode | IndexationTypeCode | nvarchar | 2 |
| CONTRACT | 29 | IndexationPercentage | IndexationPercentage | numeric | 2 |
| CONTRACT | 30 | LastIndexationYear | LastIndexationYear | nvarchar | 4 |
| CONTRACT | 31 | TaxCertificateIndicator | TaxCertificateIndicator | bit |  |
| CONTRACT | 32 | TaxLongTermSavingIndicator | TaxLongTermSavingIndicator | bit |  |
| CONTRACT | 33 | RecomposeCreditIndicator | RecomposeCreditIndicator | bit |  |
| CONTRACT | 34 | OnlyOwnHomeIndicator | OnlyOwnHomeIndicator | bit |  |
| CONTRACT | 35 | LoanReferenceIdentifier | LoanReferenceIdentifier | nvarchar | 20 |
| CONTRACT | 36 | NumberOfFreeSwitches | NumberOfFreeSwitches | numeric | 10 |

# Lookup Tables

This section provides details on each of the attribute from Lookup table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Table Name** | **Ordinal Position** | **Attribute Name** | **Business Name** | **Data Type** | **Size** |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

# Business Rules

1. The will contain all attributes pertaining to the entity.
2. Below are the various business Rules performed on the

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Seq. No** | **Attribute Name** | **Rule Criteria** | **Rule Description** | **Rule Condition** | **Rule Status (Active/ Inactive)** |
|  |  |  |  |  |  |
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# Mapping Design

Below table shows mapping details for the Baloise\_POC\_Template2

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr.NO.** | **Target Table** | **Target Column Name** | **Source Table** | **Source Column Name** |
| 1 | CONTRACT | ContractDataEntryDateAndTime |  |  |
| 2 | CONTRACT | ContractEndDate |  |  |
| 3 | CONTRACT | ContractIdentifier |  |  |
| 4 | CONTRACT | ContractIdentifierSourceExt |  |  |
| 5 | CONTRACT | ContractIdentifierSourceInt |  |  |
| 6 | CONTRACT | ContractInceptionDateAndTime |  |  |
| 7 | CONTRACT | ContractLanguage |  |  |
| 8 | CONTRACT | ContractStatusCode |  |  |
| 9 | CONTRACT | ContractStatusDate |  |  |
| 10 | CONTRACT | ContractVersionNumber |  |  |
| 11 | CONTRACT | ContractVersionNumberSourceExt |  |  |
| 12 | CONTRACT | ContractVersionNumberSourceInt |  |  |
| 13 | CONTRACT | EmploymentEndDate |  |  |
| 14 | CONTRACT | EndorsementCreationDate |  |  |
| 15 | CONTRACT | EndorsementEffectiveDate |  |  |
| 16 | CONTRACT | EndorsementModificationDate |  |  |
| 17 | CONTRACT | EndorsementTechnicalDate |  |  |
| 18 | CONTRACT | IndexationPercentage |  |  |
| 19 | CONTRACT | IndexationTypeCode |  |  |
| 20 | CONTRACT | InsuranceProductTypeCode |  |  |
| 21 | CONTRACT | LastIndexationYear |  |  |
| 22 | CONTRACT | LoanReferenceIdentifier |  |  |
| 23 | CONTRACT | NumberOfFreeSwitches |  |  |
| 24 | CONTRACT | OnlyOwnHomeIndicator |  |  |
| 25 | CONTRACT | PaymentFrequencyCode |  |  |
| 26 | CONTRACT | PremiumFreeDate |  |  |
| 27 | CONTRACT | PremiumPaymentEndDate |  |  |
| 28 | CONTRACT | ProposalIdentifier |  |  |
| 29 | CONTRACT | RecomposeCreditIndicator |  |  |
| 30 | CONTRACT | RenewalMainDate |  |  |
| 31 | CONTRACT | SourceProductName |  |  |
| 32 | CONTRACT | SourceSystem |  |  |
| 33 | CONTRACT | SourceTariffCode |  |  |
| 34 | CONTRACT | TaxabilityTypeCode |  |  |
| 35 | CONTRACT | TaxCertificateIndicator |  |  |
| 36 | CONTRACT | TaxLongTermSavingIndicator |  |  |

# TRANSFORMATION Details

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr.NO.** | **Transformation Name** | **Transformation Type** | **Transformation Description** |
| 1 | Truncate Contract Table | Execute SQL | Pre#Truncate table Contract#Target |
| 2 | Get Parameter Values | Execute SQL | Pre#SELECT ?= TARGETVALUE FROM DBO.CODE\_LOOKUP\_W3 WHERE SOURCESYSTEM='UL3-SE' AND TARGETTABLENAME ='CONTRACT' AND TARGETCOLUMNNAME ='ContractVersionNumberSourceExt' AND SOURCEVALUE='Default' SELECT ?= CAST(TARGETVALUE AS NVARCHAR(6)) FROM DBO.CODE\_LOOKUP\_W3 WHERE SOURCESYSTEM='UL3-SE' AND TARGETTABLENAME ='CONTRACT' AND TARGETCOLUMNNAME ='SourceSystem' AND SOURCEVALUE='Default' SELECT ?= CAST(TARGETVALUE AS NUMERIC) FROM DBO.CODE\_LOOKUP\_W3 WHERE SourceSystem='UL3-SE' AND TARGETTABLENAME ='CONTRACT' AND TARGETCOLUMNNAME='IndexationPercentage' SELECT ?= CAST(TARGETVALUE AS NUMERIC) FROM DBO.CODE\_LOOKUP\_W3 WHERE SourceSystem='UL3-SE' AND TARGETTABLENAME ='CONTRACT' AND TARGETCOLUMNNAME='TaxCertificateIndicator' SELECT ?= CAST(TARGETVALUE AS NUMERIC) FROM DBO.CODE\_LOOKUP\_W3 WHERE SourceSystem='UL3-SE' AND TARGETTABLENAME ='CONTRACT' AND TARGETCOLUMNNAME='TaxLongTermSavingIndicator' SELECT ?= CAST(TARGETVALUE AS NUMERIC) FROM DBO.CODE\_LOOKUP\_W3 WHERE SourceSystem='UL3-SE' AND TARGETTABLENAME ='CONTRACT' AND TARGETCOLUMNNAME='RecomposeCreditIndicator' SELECT ?= CAST(TARGETVALUE AS NUMERIC) FROM DBO.CODE\_LOOKUP\_W3 WHERE SourceSystem='UL3-SE' AND TARGETTABLENAME ='CONTRACT' AND TARGETCOLUMNNAME='OnlyOwnHomeIndicator' SELECT ?= CAST(TARGETVALUE AS NUMERIC) FROM DBO.CODE\_LOOKUP\_W3 WHERE SourceSystem='UL3-SE' AND TARGETTABLENAME ='CONTRACT' AND TARGETCOLUMNNAME='NumberOfFreeSwitches' SELECT ?= TargetValue from dbo.CODE\_LOOKUP\_W3 where SourceSystem='UL3-SE' and TargetTableName='CONTRACT' AND TargetColumnName='ContractVersionNumber' SELECT ?= CONVERT(DATE,ConfigParamValue,103) FROM DBO.CONFIGURABLE\_PARAMETERS\_UL3 WHERE CONFIGPARAMKEY='CutOffDate' AND SOURCENAME='UL3' AND ISACTIVE='1' SELECT ?= CONVERT(DATE,ConfigParamValue,103) FROM DBO.CONFIGURABLE\_PARAMETERS\_UL3 WHERE CONFIGPARAMKEY='ExecutionMigrationDate'AND SOURCENAME='UL3'AND ISACTIVE='1'#Target$string.V\_ContractVersionNumberSourceExt,string.V\_SourceSystem,int.V\_IndexationPercentage,int.V\_TaxCertificateIndicator,int.V\_TaxLongTermSavingIndicator,int.V\_RecomposeCreditIndicator,int.V\_OnlyOwnHomeIndicator,int.V\_NumberOfFreeSwitches,int.V\_ContractVersionNumber,date.V\_cutoffDate,date.V\_MigrationDate |
| 3 | Derived Column1 | Derived Column | ContractVersionNumberSourceExt$@[User::V\_ContractVersionNumberSourceExt] |
| 4 | Derived Column1 | Derived Column | SourceSystem$(DT\_WSTR,6)@[User::V\_SourceSystem] |
| 5 | Derived Column1 | Derived Column | IndexationPercentage$@[User::V\_IndexationPercentage] |
| 6 | Derived Column1 | Derived Column | NumberOfFreeSwitches$@[User::V\_NumberOfFreeSwitches] |
| 7 | Derived Column1 | Derived Column | TaxLongTermSavingIndicator$@[User::V\_TaxLongTermSavingIndicator] |
| 8 | Derived Column1 | Derived Column | ContractStatusDate$@[User::V\_cutoffDate] |
| 9 | Derived Column1 | Derived Column | TaxCertificateIndicator$@[User::V\_TaxCertificateIndicator] |
| 10 | Derived Column1 | Derived Column | RecomposeCreditIndicator$@[User::V\_RecomposeCreditIndicator] |
| 11 | Derived Column1 | Derived Column | OnlyOwnHomeIndicator$@[User::V\_OnlyOwnHomeIndicator] |
| 12 | Derived Column1 | Derived Column | ContractVersionNumber$@[User::V\_ContractVersionNumber] |
| 13 | Derived Column1 | Derived Column | SourceProductName$@[User::V\_SourceProductName] |
| 14 | Derived Column1 | Derived Column | ContractIdentifierSourceInt$(DT\_WSTR,20)ContractIdentifierSourceInt |
| 15 | Derived Column1 | Derived Column | IndexationTypeCode$(DT\_WSTR,10)IndexationTypeCode |
| 16 | Derived Column1 | Derived Column | LastIndexationYear$(DT\_WSTR,4)LastIndexationYear |
| 17 | Derived Column1 | Derived Column | ContractVersionNumberSourceIn$ContractVersionNumberSourceInt |
| 18 | Derived Column1 | Derived Column | LoanReferenceIdentifier$LoanReferenceIdentifier |
| 19 | Derived Column1 | Derived Column | PremiumPaymentEndDate$PremiumPaymentEndDate > ContractEndDate ? ContractEndDate : PremiumPaymentEndDate |
| 20 | Merge Join | Merge join | Source.TaxabilityTypeCode=CODE\_LOOKUP\_W3.SourceValue |
| 21 | DerivedColumn1 | Derived Column | ContractIdentifierSourceExt$(DT\_WSTR,20)ContractIdentifierSourceExt |
| 22 | DerivedColumn2 | Derived Column | ContractStatusCode$(DT\_WSTR,10)ContractStatusCode |
| 23 | DerivedColumn2 | Derived Column | EndorsementEffectiveDate$@[User::V\_cutoffDate] |
| 24 | DerivedColumn2 | Derived Column | EndorsementTechnicalDate$@[User::V\_cutoffDate] |
| 25 | DerivedColumn2 | Derived Column | EndorsementCreationDate$@[User::V\_MigrationDate] |
| 26 | DerivedColumn2 | Derived Column | EndorsementModificationDate$@[User::V\_MigrationDate] |
| 27 | DerivedColumn2 | Derived Column | TaxabilityTypeCode$(DT\_WSTR,2)(ISNULL(TaxabilitytypeCode\_LK) == TRUE ? TaxabilityTypeCode : TaxabilitytypeCode\_LK) |
| 28 | DerivedColumn2 | Derived Column | ProposalIdentifier$(DT\_WSTR,20)ProposalIdentifier |
| 29 | Lookup | Lookup | SourceValue=IN\_SourceTariffCode$Match |
| 30 | DerivedColumm | Derived Column | SourceProductValue$LanguageCode == "D" ? Level : LanguageCode == "F" ? TargetValue : "Null" |
| 31 | RowCount - Passcount | Row count | PassCountMain |

# Test Case Details

This section prides details on the acceptance criteria for the table CONTRACT

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Template Name** | **Source Table Name** | **Source Attribute Name** | **Source Data Type** | **Target Table Name** | **Target Attribute Name** | **Target Data Type** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |