**LCR Steps**

Normal Filtering and Loading Data to be processed.

1. Load RG Settings
2. Load RateRules
3. Load tmp\_search\_code\_ based on rate rules

|  |  |  |
| --- | --- | --- |
| **RowCode** | **Code** | **Country** |
| 91234 | 91234 | India |
| 91234 | 9123 | India |
| 91234 | 912 | India |
| 91234 | 91 | India |
| 9123 | 9123 | India |
| 9123 | 912 | India |
| 9123 | 91 | India |
| 912 | 912 | India |
| 912 | 91 | India |
| 91 | 91 | India |

1. Load Selected Vendor ConnectionIDs , RateTableIDs
2. Load **tmp\_tblRateTableRate** , Convert Rates & Fee amount to target Currency.
3. Load **tmp\_VendorCurrentRates1**\_ from above with Destination Code , County , RateID
4. Update **tmp\_VendorCurrentRates1**\_ OriginationCode , Country , RateID
5. Select Latest Effective Codes Rates (VendorConnectionID, TimezonesID, OriginationCode, Code, EffectiveDate)
6. Load tmp\_VendorRate\_stage\_1 with VendorRates and Search Codes.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | RowCode | Code | Country | Vendor Code | Vendor Data | | 91234 | 91234 | India |  |  | | 91234 | 9123 | India |  |  | | 91234 | 912 | India |  |  | | 91234 | 91 | India |  |  | | 9123 | 9123 | India |  |  | | 9123 | 912 | India |  |  | | 9123 | 91 | India |  |  | | 912 | 912 | India |  |  | | 912 | 91 | India |  |  | | 91 | 91 | India |  |  | | |

**Business Logic**

Purchase CASE 1

Vendor A, destination 31:

- Default: 0.01

Vendor B, destination 31:

- Peak: 0.025

- Off peak: 0.017

- Weekend

Vendor C, destination 31:

- Default: 0.015

Routing

Call comes in during peak: Vendor A, C, B

Call comes in during Off peak: Vendor A, C, B

Comparison

In case there is a single Vendor involved with non-Default pricing (as given in this example):

|  |
| --- |
| Destination Time of day Position 1 Position 2 Position 3 |
| 31 Peak Vendor A (0.01) Vendor C (0.015) Vendor B (0.025) |
| 31 Off peak Vendor A (0.01) Vendor C (0.015) Vendor B (0.017) |

Purchase - CASE 2

Vendor A, destination 42:

- Default: 0.01

Vendor B, destination 42:

- Peak: 0.02

- Off peak: 0.005

Vendor C, destination 42:

- Default: 0.015

Routing

Call comes in during peak: Vendor A, C, B

Call comes in during Off peak: Vendor B, A, C

Comparison

In case there is a single Vendor involved with non-Default pricing (as given in this example):

|  |
| --- |
|  |
| Destination Time of day Position 1 Position 2 Position 3 |
| 42 Peak Vendor A (0.01) Vendor C (0.015) Vendor B (0.02) |
| 42 Off peak Vendor B (0.005) Vendor A (0.01) Vendor C (0.015) |

LOGIC : when all vendors are not giving default rates

ASSUMPTION : VENDOR CANT HAVE PEAK OR OFF PEAK WITH DEFAULT RATES.

STEP 1 COLLECT ALL DEFAULT TIMEZONE RATES INTO TEMP TABLE tmp\_VendorRate\_stage\_1\_DEFAULT

STEP 2 DELETE ALL DEFAULT TIMEZONE RATES FROM ORIGINAL TABLE tmp\_VendorRate\_stage\_1

STEP 3 INSERT INTO ORIGINAL TABLE WITH ALL DEFAULT AS PEAK

STEP 4 INSERT INTO ORIGINAL TABLE WITH ALL DEFAULT AS OFF PEAK AND SO ON

**Note:** In case all Vendors only have Default pricing, the destination can be shown on one line and it can state in the Time of day column ‘Default’.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | RowCode | Code | Country | Timezone | Vendor Code & Data | | 91234 | 91234 | India | Peak |  | | 91234 | 9123 | India | Peak |  | | 91234 | 912 | India | Peak |  | | 91234 | 91 | India | Peak |  | | 9123 | 9123 | India | Peak |  | | 9123 | 912 | India | Peak |  | | 9123 | 91 | India | Peak |  | | 912 | 912 | India | Peak |  | | 912 | 91 | India | Peak |  | | 91 | 91 | India | Peak |  | |  |  |  |  |  | |  |  |  |  |  | | 91234 | 91234 | India | Off-Peak |  | | 91234 | 9123 | India | Off-Peak |  | | 91234 | 912 | India | Off-Peak |  | | 91234 | 91 | India | Off-Peak |  | | 9123 | 9123 | India | Off-Peak |  | | 9123 | 912 | India | Off-Peak |  | | 9123 | 91 | India | Off-Peak |  | | 912 | 912 | India | Off-Peak |  | | 912 | 91 | India | Off-Peak |  | | 91 | 91 | India | Off-Peak |  | |

Business logic Implementation Idea

Select Default Rates with Timezone as Peak

Union

Select Default Rates with Timezone as Off-Peak

Union

Select Peak Rates

Union

Select Off-Peak Rates.

**Other Filter**

1. Remove duplicate Vendor Connection per RowCode.

\*This process can be done before business logic step.

**Rule Loop**

1. Loop by Time zones due to process loads of data.
2. Sort by

Order by vr.OriginationCode, vr.RowCode, vr.Rate, vr.VendorConnectionID, vr.TimezonesID

And Rank VendorRate 1 ,2 3 … < @RatePosition set in configuration.

1. Remove already margin rates from temp table.
2. Take single max Rate Position Record per row (TimezonesID,OriginationCode, RowCode).
3. **Add Margin**

**End.**