# BSS TABLES & ETL ARCHITECTURE

## Software Engineering Laboratory

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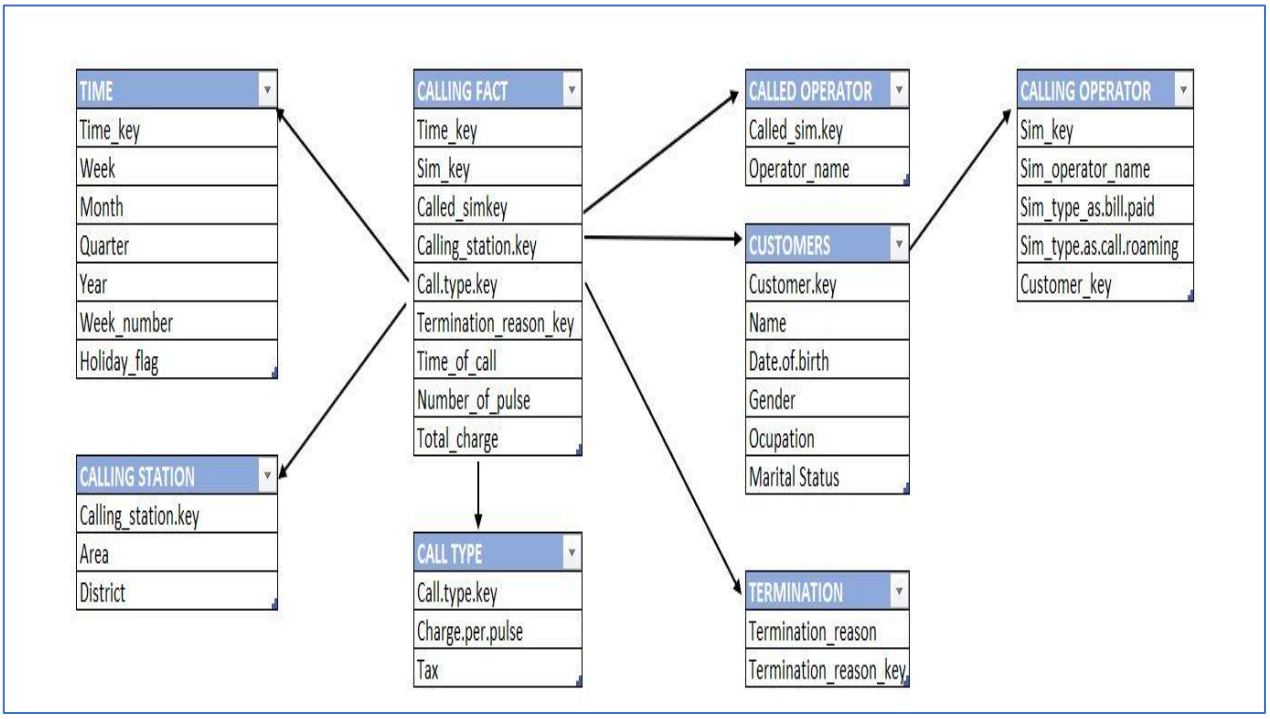
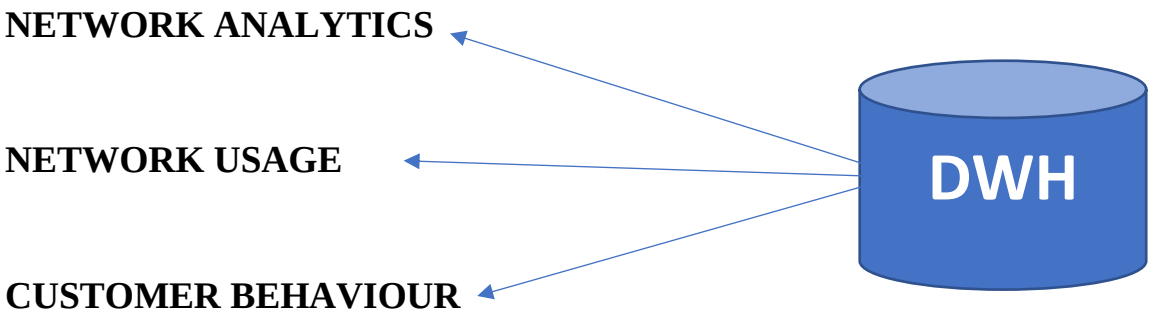
## 1.CDR FORMAT

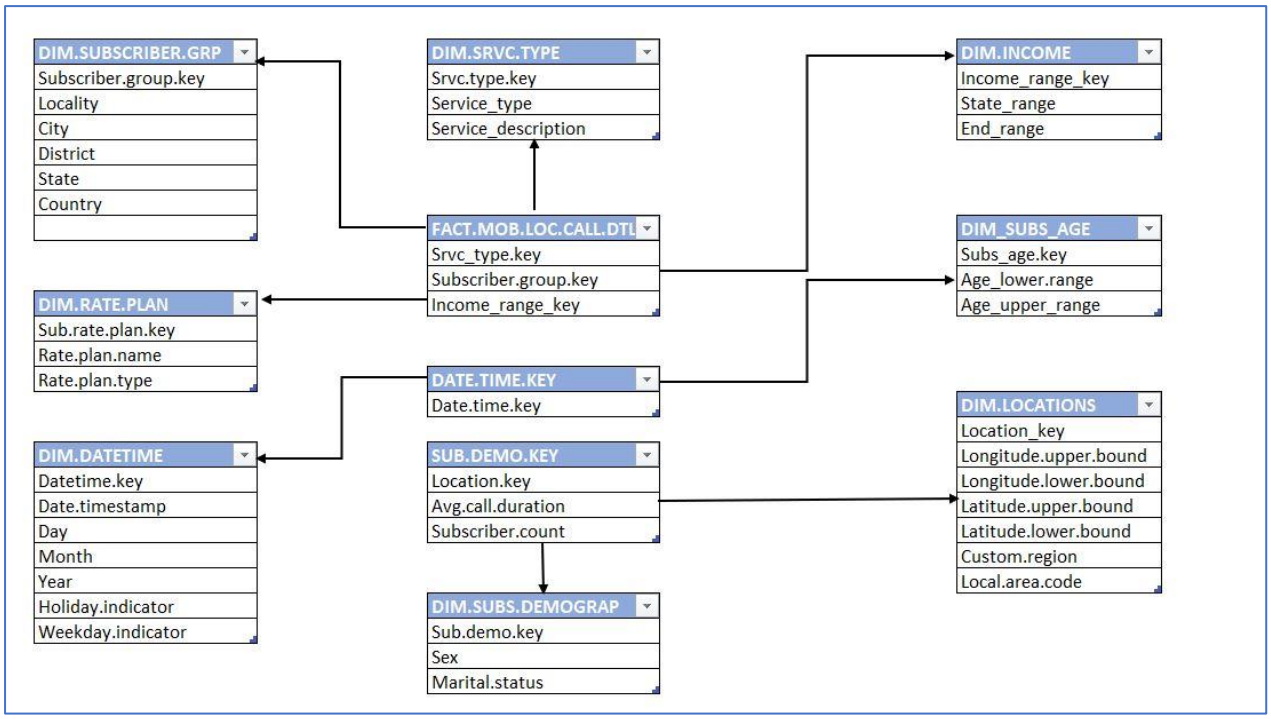
| CDR FIELD NAME | SAMPLE VALUES | REMARKS |
|---|---|---|
| Calling Party Number | 91-95358XXXXX | |
| Called Party Number | 91-85236XXXXX | |
| Caller Cell ID | 5102 | |
| Caller Location Area Code | 41708 | |
| Caller Call ID | 2308 | |
| Caller Location Area Code | 43876 | |
| Caller IMSI | 4600013511068690 | International Mobile Subscriber Identity |
| Server IMSI | 46000135110680905 | |
| Call Start Time | 2021-08-09:1-24-15 | YYYY-DD-MM:HH-MM-SS |
| Call Type | | Voices, SMS or Data |
| Roaming Status | Yes/No | |
| Rate Plan | | |
| Prepaid/Postpaid | | |
| Calling Party IMEI | 911345642420081730 | |
| Called Party IMEI | 911345642420092360 | |
| Call Route | Cell to Cell | |

## 2.MEDIATION -SNOWFLAKE SCHEMA

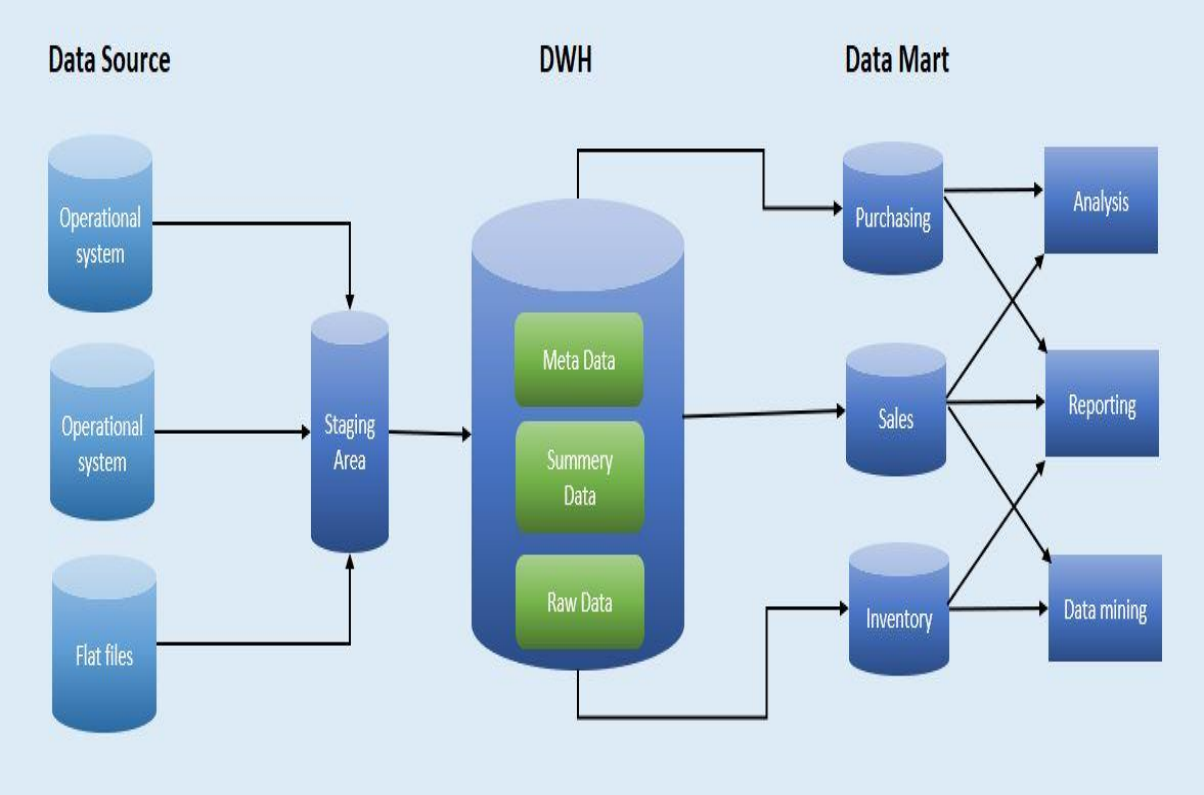


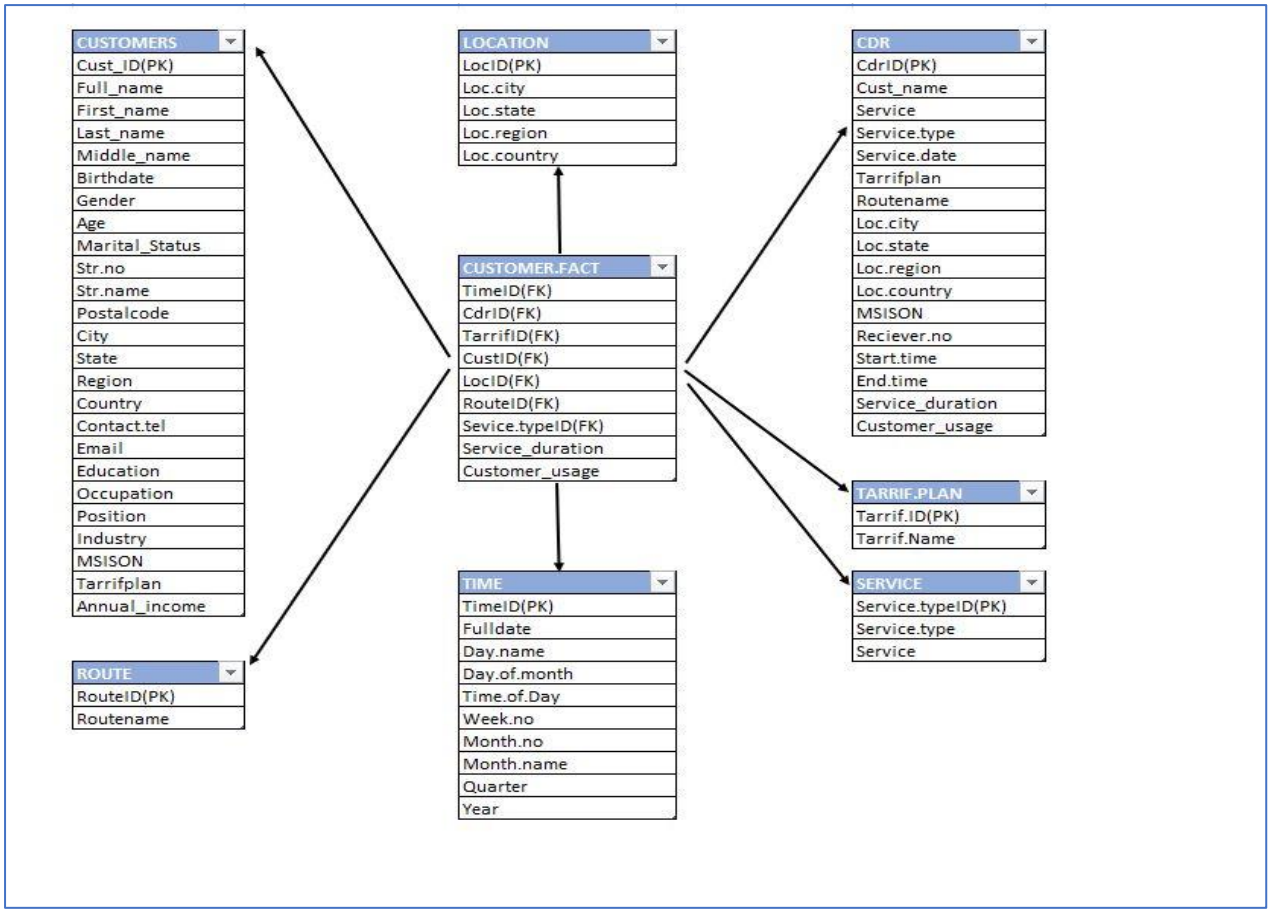
## 3.MODEL GENERIC SCHEMA FOR CENTRAL INTEGRATED DWH



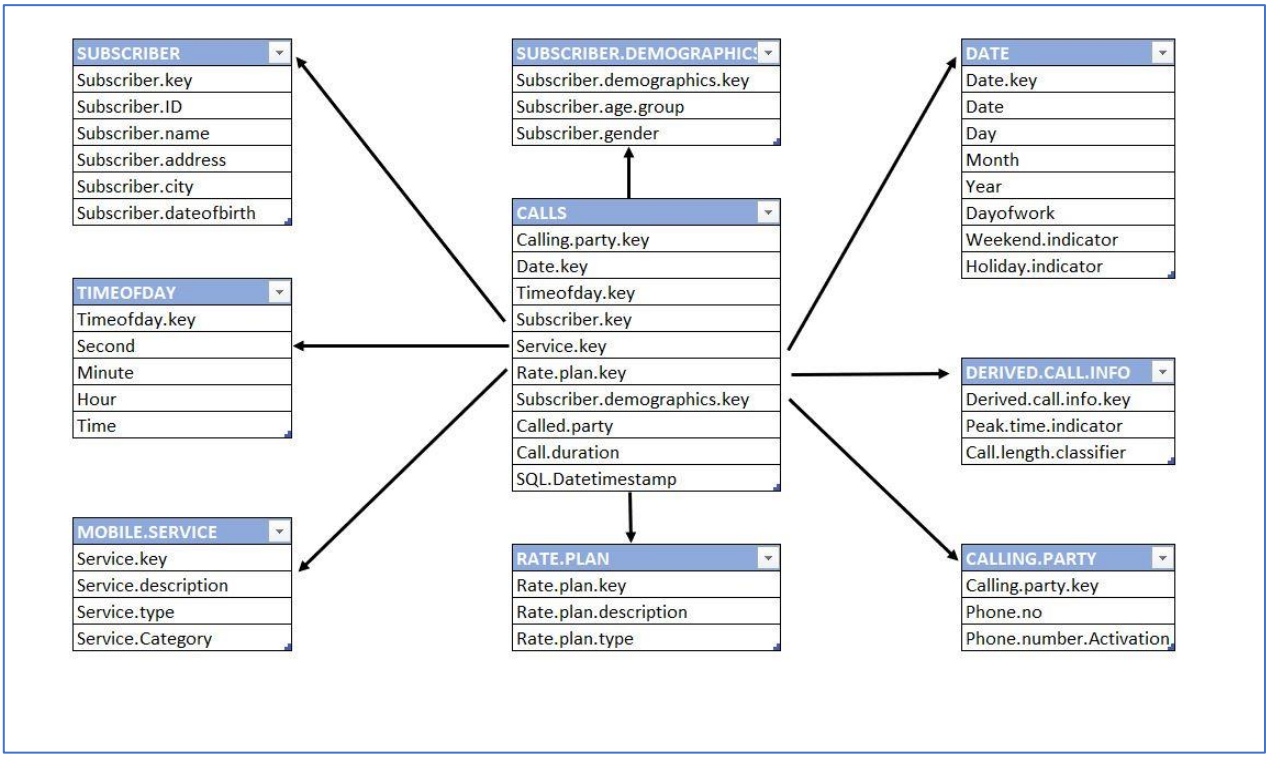

## 4.ETL ARCHITECTURE

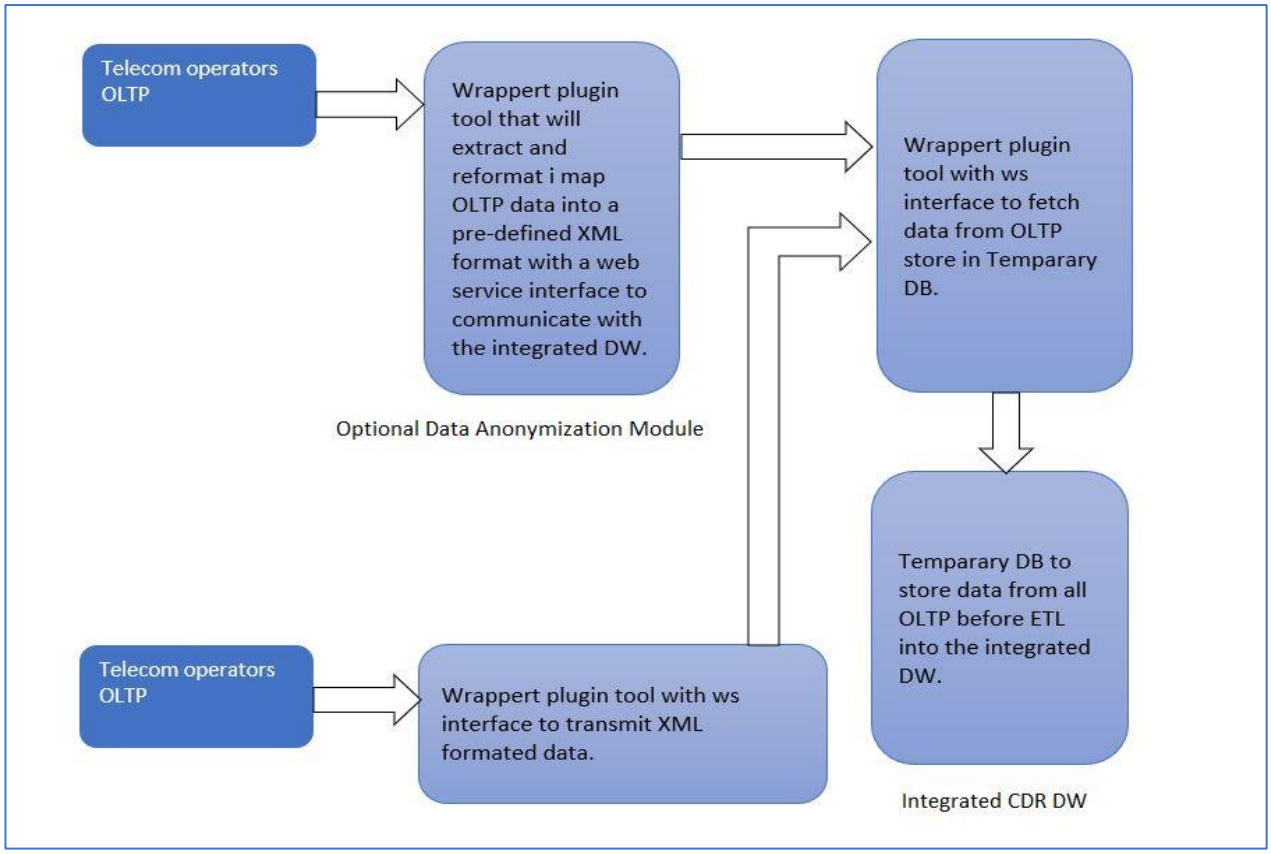


## 5.CDR COMBINED WITH CRM-STAR SCHEMA




## 6.CDR



## 7.WEB SERVICE BASED TELECOM DATA

Integration Architecture for A Region from All Operators into a DW for OLAP Analysis