

Technical Memory

Golden Gate for Big Data

Extract & Replicat Unified (Chile & Uruguay)

Version: 1.0

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Document Control

History

Versión	Author	Reason for change	Date
1.0	Andres López Botello	Document creation	03/12/2018

Objective

This document contains the detail of the configuration files, necessary for the unification of 16 tables per country, leaving only one extract and one replicat per country.

The archives for each country are classified as follows:

Avro Map : Contains the files mapping of the destination database

Properties Files: Contains the general properties for replication

Param files – Extract : Extract configuration files

Param files – Replicat : Replicat configuration files

The files mentioned, are located on the server in the following path

Avro Map

/u01/app/ggate_K2V_CS/OGGForBD/avromdp_chi/*

/u01/app/ggate_K2V_CS/OGGForBD/avromdp_uru/*

Propertie files

/u01/app/ggate_K2V_CS/OGGForBD/dirprm/cass_chi.props

/u01/app/ggate_K2V_CS/OGGForBD/dirprm/cass_uru.props

Param files

#Extract

/u01/app/ggate_K2V_CS/OGG/dirprm/xccchi.prm

/u01/app/ggate_K2V_CS/OGG/dirprm/xcuru.prm

Replicat

/u01/app/ggate_K2V_CS/OGGForBD/dirprm/rcchi.prm

/u01/app/ggate_K2V_CS/OGGForBD/dirprm/rcuru.prm

Configuración

In the definition of the replicates, the countries are identified by a number, according to the following table.

For this configuration we are only using Chile and Uruguay

SOURCE_ID	DESCRIPTION
1	IBS ARGENTINA
2	IBS CHILE
3	IBS COLOMBIA
4	IBS PERU
5	IBS VENEZUELA (not installed)
6	IBS PUERTORICO
7	IBS CARIBE
8	IBS ECUADOR
9	IBS URUGUAY

Extract - CHILE

```
[ggatek2vcs@rgmadbu1903 dirprm]$ more xcchi.prm
EXTRACT xcchi
UserIDAlias ggsources
RMTHOST rgmadbu1904, MGRPORT 7808
FUNCTIONSTACKSIZE 5000
RMTFILE /u01/app/ggate_K2V_CS/OGGForBD/dirdat/xc MEGABYTES 100, PURGE
UPDATERECORDFORMAT FULL

Table BUSINESSDATA_CHILE.ADDRESS
FILTER
(ON UPDATE, &

@STRCMP(@IF(@COLTEST(@BEFORE(addrcustnr),NULL),0,@BEFORE(addrcustnr)),@IF(@COLTEST(@AFTER(addrcustnr),NULL),0,@AFTER(addrcustnr))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addrnr),NULL),0,@BEFORE(addrnr)),@IF(@COLTEST(@AFTER(addrnr),NULL),0,@AFTER(addrnr))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addr_entity_id),NULL),0,@BEFORE(addr_entity_id)),@IF(@COLTEST(@AFTER(addr_entity_id),NULL),0,@AFTER(addr_entity_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addrbigcity),NULL),0,@BEFORE(addrbigcity)),@IF(@COLTEST(@AFTER(addrbigcity),NULL),0,@AFTER(addrbigcity))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addrcareofname),NULL),0,@BEFORE(addrcareofname)),@IF(@COLTEST(@AFTER(addrcareofname),NULL),0,@AFTER(addrcareofname))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(d__addrcountry),NULL),0,@BEFORE(d__addrcountry)),@IF(@COLTEST(@AFTER(d__addrcountry),NULL),0,@AFTER(d__addrcountry))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addrdirections),NULL),0,@BEFORE(addrdirections)),@IF(@COLTEST(@AFTER(addrdirections),NULL),0,@AFTER(addrdirections))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addrmailaddr),NULL),0,@BEFORE(addrmailaddr)),@IF(@COLTEST(@AFTER(addrmailaddr),NULL),0,@AFTER(addrmailaddr))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addrventnr),NULL),0,@BEFORE(addrventnr)),@IF(@COLTEST(@AFTER(addrventnr),NULL),0,@AFTER(addrventnr))) OR &
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@STRCMP(@IF(@COLTEST(@BEFORE(addrextra),NULL),0,@BEFORE(addrextra)),@IF(@COLTEST(@AFTER(addrextra),N
ULL),0,@AFTER(addrextra))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addrfax1),NULL),0,@BEFORE(addrfax1)),@IF(@COLTEST(@AFTER(addrfax1),NULL
),0,@AFTER(addrfax1))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addrfax2),NULL),0,@BEFORE(addrfax2)),@IF(@COLTEST(@AFTER(addrfax2),NULL
),0,@AFTER(addrfax2))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addrfirstname),NULL),0,@BEFORE(addrfirstname)),@IF(@COLTEST(@AFTER(addr
firstname),NULL),0,@AFTER(addrfirstname))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addrhousealphanr),NULL),0,@BEFORE(addrhousealphanr)),@IF(@COLTEST(@AFTE
R(addrhousealphanr),NULL),0,@AFTER(addrhousealphanr))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addrhousenrnumeric),NULL),0,@BEFORE(addrhousenrnumeric)),@IF(@COLTEST(@
AFTER(addrhousenrnumeric),NULL),0,@AFTER(addrhousenrnumeric))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addrmiddlename),NULL),0,@BEFORE(addrmiddlename)),@IF(@COLTEST(@AFTER(ad
drmiddlename),NULL),0,@AFTER(addrmiddlename))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addrphoneh),NULL),0,@BEFORE(addrphoneh)),@IF(@COLTEST(@AFTER(addrphoneh
),NULL),0,@AFTER(addrphoneh))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addrphonew),NULL),0,@BEFORE(addrphonew)),@IF(@COLTEST(@AFTER(addrphonew
),NULL),0,@AFTER(addrphonew))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addrpostcode),NULL),0,@BEFORE(addrpostcode)),@IF(@COLTEST(@AFTER(addrpo
stcode),NULL),0,@AFTER(addrpostcode))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addrprovincenumber),NULL),0,@BEFORE(addrprovincenumber)),@IF(@COLTEST(@
AFTER(addrprovincenumber),NULL),0,@AFTER(addrprovincenumber))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addrsmallcity),NULL),0,@BEFORE(addrsmallcity)),@IF(@COLTEST(@AFTER(addr
smallcity),NULL),0,@AFTER(addrsmallcity))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addrstreet),NULL),0,@BEFORE(addrstreet)),@IF(@COLTEST(@AFTER(addrstreet
),NULL),0,@AFTER(addrstreet))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addrstreetaddressn),NULL),0,@BEFORE(addrstreetaddressn)),@IF(@COLTEST(@
AFTER(addrstreetaddressn),NULL),0,@AFTER(addrstreetaddressn))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addrsurname),NULL),0,@BEFORE(addrsurname)),@IF(@COLTEST(@AFTER(addrsur
name),NULL),0,@AFTER(addrsurname))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(d__addrtitle),NULL),0,@BEFORE(d__addrtitle)),@IF(@COLTEST(@AFTER(d__add
rtitle),NULL),0,@AFTER(d__addrtitle))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(apartment_number),NULL),0,@BEFORE(apartment_number)),@IF(@COLTEST(@AFTE
R(apartment_number),NULL),0,@AFTER(apartment_number))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(fk_geo_code_id),NULL),0,@BEFORE(fk_geo_code_id)),@IF(@COLTEST(@AFTER(fk
_geo_code_id),NULL),0,@AFTER(fk_geo_code_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(homephoneext),NULL),0,@BEFORE(homephoneext)),@IF(@COLTEST(@AFTER(homeph
oneext),NULL),0,@AFTER(homephoneext))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(marketsegment_id),NULL),0,@BEFORE(marketsegment_id)),@IF(@COLTEST(@AFTE
R(marketsegment_id),NULL),0,@AFTER(marketsegment_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(workphoneext),NULL),0,@BEFORE(workphoneext)),@IF(@COLTEST(@AFTER(workph
oneext),NULL),0,@AFTER(workphoneext))) &
);

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Table BUSINESSDATA_CHILE.AGREEMENT_DETAIL
FILTER

```

(ON UPDATE, &

@STRCMP(@IF(@COLTEST(@BEFORE(customer_id),NULL),0,@BEFORE(customer_id)),@IF(@COLTEST(@AFTER(customer_id),NULL),0,@AFTER(customer_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(id),NULL),0,@BEFORE(id)),@IF(@COLTEST(@AFTER(id),NULL),0,@AFTER(id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(agreement_id),NULL),0,@BEFORE(agreement_id)),@IF(@COLTEST(@AFTER(agreement_id),NULL),0,@AFTER(agreement_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(charge_until_date),NULL),0,@BEFORE(charge_until_date)),@IF(@COLTEST(@AFTER(charge_until_date),NULL),0,@AFTER(charge_until_date))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(comm_product_id),NULL),0,@BEFORE(comm_product_id)),@IF(@COLTEST(@AFTER(comm_product_id),NULL),0,@AFTER(comm_product_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(contract_end_date),NULL),0,@BEFORE(contract_end_date)),@IF(@COLTEST(@AFTER(contract_end_date),NULL),0,@AFTER(contract_end_date))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(contract_period),NULL),0,@BEFORE(contract_period)),@IF(@COLTEST(@AFTER(contract_period),NULL),0,@AFTER(contract_period))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(contract_start_date),NULL),0,@BEFORE(contract_start_date)),@IF(@COLTEST(@AFTER(contract_start_date),NULL),0,@AFTER(contract_start_date))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(finance_option_id),NULL),0,@BEFORE(finance_option_id)),@IF(@COLTEST(@AFTER(finance_option_id),NULL),0,@AFTER(finance_option_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(financial_account_id),NULL),0,@BEFORE(financial_account_id)),@IF(@COLTEST(@AFTER(financial_account_id),NULL),0,@AFTER(financial_account_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(status),NULL),0,@BEFORE(status)),@IF(@COLTEST(@AFTER(status),NULL),0,@AFTER(status))) &
);

Table BUSINESSDATA_CHILE.AGREEMENT
FILTER
(ON UPDATE, &

@STRCMP(@IF(@COLTEST(@BEFORE(customer_id),NULL),0,@BEFORE(customer_id)),@IF(@COLTEST(@AFTER(customer_id),NULL),0,@AFTER(customer_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(id),NULL),0,@BEFORE(id)),@IF(@COLTEST(@AFTER(id),NULL),0,@AFTER(id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(charge_period_id),NULL),0,@BEFORE(charge_period_id)),@IF(@COLTEST(@AFTER(charge_period_id),NULL),0,@AFTER(charge_period_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(contract_end_date),NULL),0,@BEFORE(contract_end_date)),@IF(@COLTEST(@AFTER(contract_end_date),NULL),0,@AFTER(contract_end_date))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(contract_number),NULL),0,@BEFORE(contract_number)),@IF(@COLTEST(@AFTER(contract_number),NULL),0,@AFTER(contract_number))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(contract_start_date),NULL),0,@BEFORE(contract_start_date)),@IF(@COLTEST(@AFTER(contract_start_date),NULL),0,@AFTER(contract_start_date))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(market_segment_id),NULL),0,@BEFORE(market_segment_id)),@IF(@COLTEST(@AFTER(market_segment_id),NULL),0,@AFTER(market_segment_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(name),NULL),0,@BEFORE(name)),@IF(@COLTEST(@AFTER(name),NULL),0,@AFTER(name))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(status),NULL),0,@BEFORE(status)),@IF(@COLTEST(@AFTER(status),NULL),0,@AFTER(status))) OR &

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@STRCMP(@IF(@COLTEST(@BEFORE(stock_handler_id),NULL),0,@BEFORE(stock_handler_id)),@IF(@COLTEST(@AFTER(stock_handler_id),NULL),0,@AFTER(stock_handler_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(type),NULL),0,@BEFORE(type)),@IF(@COLTEST(@AFTER(type),NULL),0,@AFTER(type))) &
);

Table BUSINESSDATA_CHILE.CONTACT &
FILTER &
(ON UPDATE, &

@STRCMP(@IF(@COLTEST(@BEFORE(customer_id),NULL),0,@BEFORE(customer_id)),@IF(@COLTEST(@AFTER(customer_id),NULL),0,@AFTER(customer_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(id),NULL),0,@BEFORE(id)),@IF(@COLTEST(@AFTER(id),NULL),0,@AFTER(id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(action_date),NULL),0,@BEFORE(action_date)),@IF(@COLTEST(@AFTER(action_date),NULL),0,@AFTER(action_date))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(action_taken),NULL),0,@BEFORE(action_taken)),@IF(@COLTEST(@AFTER(action_taken),NULL),0,@AFTER(action_taken))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(allocated_to_user),NULL),0,@BEFORE(allocated_to_user)),@IF(@COLTEST(@AFTER(allocated_to_user),NULL),0,@AFTER(allocated_to_user))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(category),NULL),0,@BEFORE(category)),@IF(@COLTEST(@AFTER(category),NULL),0,@AFTER(category))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(created_by_user),NULL),0,@BEFORE(created_by_user)),@IF(@COLTEST(@AFTER(created_by_user),NULL),0,@AFTER(created_by_user))) OR &
    @STRCMP(@IF(@COLTEST(@BEFORE(created_date),NULL),0,@BEFORE(created_date)),@IF(@COLTEST(@AFTER(created_date),NULL),0,@AFTER(created_date))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(device_id),NULL),0,@BEFORE(device_id)),@IF(@COLTEST(@AFTER(device_id),NULL),0,@AFTER(device_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(method),NULL),0,@BEFORE(method)),@IF(@COLTEST(@AFTER(method),NULL),0,@AFTER(method))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(order_id),NULL),0,@BEFORE(order_id)),@IF(@COLTEST(@AFTER(order_id),NULL),0,@AFTER(order_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(problem_desc),NULL),0,@BEFORE(problem_desc)),@IF(@COLTEST(@AFTER(problem_desc),NULL),0,@AFTER(problem_desc))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(product_id),NULL),0,@BEFORE(product_id)),@IF(@COLTEST(@AFTER(product_id),NULL),0,@AFTER(product_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(status),NULL),0,@BEFORE(status)),@IF(@COLTEST(@AFTER(status),NULL),0,@AFTER(status))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(work_order_id),NULL),0,@BEFORE(work_order_id)),@IF(@COLTEST(@AFTER(work_order_id),NULL),0,@AFTER(work_order_id))) &
);

Table BUSINESSDATA_CHILE.CREDIT_CARD, &
SQLEXEC (ID exec_cred_num, &
    QUERY "SELECT
SUBSTR(BUSINESSDATA_CHILE.PKG_ENC.DECRYPT_TEXT(CREDIT_CARD.CREDIT_CARD_NUMBER_ENC, &
    CREDIT_CARD.CREDIT_CARD_NUMBER_IV),1,4)||' XXXX '||' XXXX '|| &
    SUBSTR
(BUSINESSDATA_CHILE.PKG_ENC.DECRYPT_TEXT(CREDIT_CARD.CREDIT_CARD_NUMBER_ENC,
CREDIT_CARD.CREDIT_CARD_NUMBER_IV),-4,4) vc Crednum &
    FROM BUSINESSDATA_CHILE.CREDIT_CARD WHERE ID = :param_cred_id", &
    PARAMS (param_cred_id = ID)), &

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SQLEXEC (ID exec_cred_ci, &
    QUERY "SELECT CUSTOMER_ID vc credcus FROM BUSINESSDATA_CHILE.FINANCIAL_ACCOUNT &
        WHERE ID = :param_cred_id2", &
    PARAMS (param_cred_id2 = FINANCIAL_ACCOUNT_ID ), &
    TOKENS (TK_CC_NUMBER = @GETVAL(exec_cred_num.vcrednum), &
        TK_CC_CUSTOMER = @GETVAL(exec_cred_ci.vcredcus) &
    ) &
    FILTER &
    (ON UPDATE, &

@STRCMP(@IF(@COLTEST(@BEFORE(FINANCIAL_ACCOUNT_ID),NULL),0,@BEFORE(FINANCIAL_ACCOUNT_ID)),@IF(@COLTE
ST(@AFTER(FINANCIAL_ACCOUNT_ID),NULL),0,@AFTER(FINANCIAL_ACCOUNT_ID))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(CREDIT_CARD_NUMBER_ENC),NULL),0,@BEFORE(CREDIT_CARD_NUMBER_ENC)),@IF(@C
OLTEST(@AFTER(CREDIT_CARD_NUMBER_ENC),NULL),0,@AFTER(CREDIT_CARD_NUMBER_ENC)))
OR &

@STRCMP(@IF(@COLTEST(@BEFORE(CREDIT_CARD_NUMBER_IV),NULL),0,@BEFORE(CREDIT_CARD_NUMBER_IV)),@IF(@COL
TEST(@AFTER(CREDIT_CARD_NUMBER_IV),NULL),0,@AFTER(CREDIT_CARD_NUMBER_IV))) OR
&

@STRCMP(@IF(@COLTEST(@BEFORE(IS_PRIMARY),NULL),0,@BEFORE(IS_PRIMARY)),@IF(@COLTEST(@AFTER(IS_PRIMARY
),NULL),0,@AFTER(IS_PRIMARY))) ) &
;

Table BUSINESSDATA_CHILE.CUSTOM_FIELD_VALUE, &
SQLEXEC (ID exec_cusfv_em, &
    QUERY "SELECT ENTITY_METADATA_ID vcusfvem , ENTITY_METADATA_ID vcusfvem1 FROM &
        BUSINESSDATA_CHILE.CUSTOM_FIELD_ENTITY c &
        WHERE c.ID = :param_vcusfvem", &
    PARAMS (param_vcusfvem = CUSTOM_FIELD_ENTITY_ID ), &
    TOKENS ( &
        TK_DATE_CUSFEM = @GETVAL(exec_cusfv_em.vcusfvem) &
    ) &
    FILTER &
    (ON UPDATE, &

@STRCMP(@IF(@COLTEST(@BEFORE(instance_id),NULL),0,@BEFORE(instance_id)),@IF(@COLTEST(@AFTER(instance
_id),NULL),0,@AFTER(instance_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(id),NULL),0,@BEFORE(id)),@IF(@COLTEST(@AFTER(id),NULL),0,@AFTER(id)))
OR &

@STRCMP(@IF(@COLTEST(@BEFORE(custom_field_entity_id),NULL),0,@BEFORE(custom_field_entity_id)),@IF(@C
OLTEST(@AFTER(custom_field_entity_id),NULL),0,@AFTER(custom_field_entity_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(value),NULL),0,@BEFORE(value)),@IF(@COLTEST(@AFTER(value),NULL),0,@AFTE
R(value))) &
);

Table BUSINESSDATA_CHILE.CUSTOMER, &
SQLEXEC (ID exec_cust_id, &
    QUERY "SELECT BUSINESSDATA_CHILE.PKG_ENC.DECRYPT_text(customer.REFERENCE_NUMBER_ENC,
customer.REFERENCE_NUMBER_IV) vcusid , &
        TO_CHAR(BUSINESSDATA_CHILE.PKG_ENC.DECRYPT_DATE(customer.BIRTH_DATE_ENC,
customer.BIRTH_DATE_IV ),'YYYY-MM-DD') vcusbirt , &
        BUSINESSDATA_CHILE.PKG_ENC.DECRYPT_TEXT(customer.INTERNET_PASSWORD_ENC,
customer.INTERNET_PASSWORD_IV) vcuspasse &
        FROM BUSINESSDATA_CHILE.CUSTOMER WHERE ID = :param_cus_id", &
    PARAMS (param_cus_id = ID)), &
    TOKENS ( &
        TK_IDENTIFICATION_ID = @GETVAL(exec_cust_id.vcusid), &
        TK_BIRTH_DATE = @GETVAL(exec_cust_id.vcusbirt), &
        TK_INTERNET_PASSWORD_ENC = @GETVAL(exec_cust_id.vcuspasse) &
    ) &
    FILTER &
    (ON UPDATE, &

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@STRCMP(@IF(@COLTEST(@BEFORE(business_unit_id),NULL),0,@BEFORE(business_unit_id)),@IF(@COLTEST(@AFTER(business_unit_id),NULL),0,@AFTER(business_unit_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(class_id),NULL),0,@BEFORE(class_id)),@IF(@COLTEST(@AFTER(class_id),NULL),0,@AFTER(class_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(customer_since),NULL),0,@BEFORE(customer_since)),@IF(@COLTEST(@AFTER(customer_since),NULL),0,@AFTER(customer_since))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(exemption_code_id),NULL),0,@BEFORE(exemption_code_id)),@IF(@COLTEST(@AFTER(exemption_code_id),NULL),0,@AFTER(exemption_code_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(exemption_from),NULL),0,@BEFORE(exemption_from)),@IF(@COLTEST(@AFTER(exemption_from),NULL),0,@AFTER(exemption_from))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(exemption_serial_number),NULL),0,@BEFORE(exemption_serial_number)),@IF(@COLTEST(@AFTER(exemption_serial_number),NULL),0,@AFTER(exemption_serial_number))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(fiscal_number),NULL),0,@BEFORE(fiscal_number)),@IF(@COLTEST(@AFTER(fiscal_number),NULL),0,@AFTER(fiscal_number))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(id),NULL),0,@BEFORE(id)),@IF(@COLTEST(@AFTER(id),NULL),0,@AFTER(id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(internet_password_enc),NULL),0,@BEFORE(internet_password_enc)),@IF(@COLTEST(@AFTER(internet_password_enc),NULL),0,@AFTER(internet_password_enc))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(internet_password_iv),NULL),0,@BEFORE(internet_password_iv)),@IF(@COLTEST(@AFTER(internet_password_iv),NULL),0,@AFTER(internet_password_iv))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(internet_user_name),NULL),0,@BEFORE(internet_user_name)),@IF(@COLTEST(@AFTER(internet_user_name),NULL),0,@AFTER(internet_user_name))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(language_id),NULL),0,@BEFORE(language_id)),@IF(@COLTEST(@AFTER(language_id),NULL),0,@AFTER(language_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(magazines),NULL),0,@BEFORE(magazines)),@IF(@COLTEST(@AFTER(magazines),NULL),0,@AFTER(magazines))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(reference_type_id),NULL),0,@BEFORE(reference_type_id)),@IF(@COLTEST(@AFTER(reference_type_id),NULL),0,@AFTER(reference_type_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(segmentation_id),NULL),0,@BEFORE(segmentation_id)),@IF(@COLTEST(@AFTER(segmentation_id),NULL),0,@AFTER(segmentation_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(status_id),NULL),0,@BEFORE(status_id)),@IF(@COLTEST(@AFTER(status_id),NULL),0,@AFTER(status_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(type_id),NULL),0,@BEFORE(type_id)),@IF(@COLTEST(@AFTER(type_id),NULL),0,@AFTER(type_id))) &
);

Table BUSINESSDATA_CHILE.WORK_ORDER_SERVICE, &
  SQLEXEC (ID exec_wos_ci, &
    QUERY "SELECT customer_id vwosci FROM BUSINESSDATA_CHILE.WORK_ORDER WO
      Where WO.ID = :param_wos_id", &
    PARAMS (param_wos_id = WORK_ORDER_ID)), &
  SQLEXEC (ID exec_wos_sr, &
    QUERY "SELECT SERIAL_NUMBER vwsr FROM BUSINESSDATA_CHILE.DEVICE D
      Where d.ID = :param_dv", &
    PARAMS (param_dv = DEVICE_ID)), &
  TOKENS (TK_WOS_CID = @GETVAL(exec_wos_ci.vwosci), &
    TK_WOS_SR = @GETVAL(exec_wos_sr.vwsr) &
  ) &
FILTER &

```

```

(ON UPDATE, &

@STRCMP(@IF(@COLTEST(@BEFORE(id),NULL),0,@BEFORE(id)),@IF(@COLTEST(@AFTER(id),NULL),0,@AFTER(id)))
OR &

@STRCMP(@IF(@COLTEST(@BEFORE(action_taken),NULL),0,@BEFORE(action_taken)),@IF(@COLTEST(@AFTER(action
_taken),NULL),0,@AFTER(action_taken))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(device_id),NULL),0,@BEFORE(device_id)),@IF(@COLTEST(@AFTER(device_id),N
ULL),0,@AFTER(device_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(hardware_model_id),NULL),0,@BEFORE(hardware_model_id)),@IF(@COLTEST(@AF
TER(hardware_model_id),NULL),0,@AFTER(hardware_model_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(problem_description),NULL),0,@BEFORE(problem_description)),@IF(@COLTEST
(@AFTER(problem_description),NULL),0,@AFTER(problem_description))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(product_id),NULL),0,@BEFORE(product_id)),@IF(@COLTEST(@AFTER(product_id
),NULL),0,@AFTER(product_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(quantity),NULL),0,@BEFORE(quantity)),@IF(@COLTEST(@AFTER(quantity),NULL
),0,@AFTER(quantity))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(service_id),NULL),0,@BEFORE(service_id)),@IF(@COLTEST(@AFTER(service_id
),NULL),0,@AFTER(service_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(work_order_id),NULL),0,@BEFORE(work_order_id)),@IF(@COLTEST(@AFTER(work
_order_id),NULL),0,@AFTER(work_order_id))) &
);

Table BUSINESSDATA_CHILE.DEVICE_AGREEMENT_DETAIL, &
SQLEXEC (ID exec_agr_id, &
        QUERY "SELECT CUSTOMER_ID vdevagrci &
                FROM BUSINESSDATA_CHILE.AGREEMENT_DETAIL &
                WHERE ID =:param_devagrid", &
        PARAMS (param_devagrid = AGREEMENT_DETAIL_ID)), &
SQLEXEC (ID exec_dev_id, &
        QUERY "SELECT D.SERIAL_NUMBER vdevagrsn, &
                D.MODEL_ID vdevagrmi, &
                D.CA_REFERENCE_NUMBER vdevagrnrn, &
                D.MAC_ADDRESS1 vdevagrma &
                FROM BUSINESSDATA_CHILE.DEVICE D &
                WHERE D.ID =:param_devagrid2", &
        PARAMS (param_devagrid2 = DEVICE_ID)), &
TOKENS (TK_DEVAGR_SN = @GETVAL(exec_dev_id.vdevagrsn), &
        TK_DEVAGR_MI = @GETVAL(exec_dev_id.vdevagrmi), &
        TK_DEVAGR_RN = @GETVAL(exec_dev_id.vdevagrnrn), &
        TK_DEVAGR_MA = @GETVAL (exec_dev_id.vdevagrma), &
        TK_DEVAGR_CI = @GETVAL(exec_agr_id.vdevagrci)) &
FILTER &
(ON UPDATE, &

@STRCMP(@IF(@COLTEST(@BEFORE(id),NULL),0,@BEFORE(id)),@IF(@COLTEST(@AFTER(id),NULL),0,@AFTER(id)))
OR &

@STRCMP(@IF(@COLTEST(@BEFORE(agreement_detail_id),NULL),0,@BEFORE(agreement_detail_id)),@IF(@COLTEST
(@AFTER(agreement_detail_id),NULL),0,@AFTER(agreement_detail_id))) OR
&

@STRCMP(@IF(@COLTEST(@BEFORE(device_id),NULL),0,@BEFORE(device_id)),@IF(@COLTEST(@AFTER(device_id),N
ULL),0,@AFTER(device_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(device_link_date),NULL),0,@BEFORE(device_link_date)),@IF(@COLTEST(@AFTE
R(device_link_date),NULL),0,@AFTER(device_link_date))) &
)
;

```

Table BUSINESSDATA_CHILE.FINANCIAL_ACCOUNT &
FILTER &
(ON UPDATE, &

@STRCMP(@IF(@COLTEST(@BEFORE(customer_id),NULL),0,@BEFORE(customer_id)),@IF(@COLTEST(@AFTER(customer_id),NULL),0,@AFTER(customer_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(id),NULL),0,@BEFORE(id)),@IF(@COLTEST(@AFTER(id),NULL),0,@AFTER(id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(balance),NULL),0,@BEFORE(balance)),@IF(@COLTEST(@AFTER(balance),NULL),0,@AFTER(balance))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(currency_id),NULL),0,@BEFORE(currency_id)),@IF(@COLTEST(@AFTER(currency_id),NULL),0,@AFTER(currency_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(dunning_level_id),NULL),0,@BEFORE(dunning_level_id)),@IF(@COLTEST(@AFTER(dunning_level_id),NULL),0,@AFTER(dunning_level_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(invoice_delivery_method_id),NULL),0,@BEFORE(invoice_delivery_method_id)),@IF(@COLTEST(@AFTER(invoice_delivery_method_id),NULL),0,@AFTER(invoice_delivery_method_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(invoicing_profile_id),NULL),0,@BEFORE(invoicing_profile_id)),@IF(@COLTEST(@AFTER(invoicing_profile_id),NULL),0,@AFTER(invoicing_profile_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(is_default),NULL),0,@BEFORE(is_default)),@IF(@COLTEST(@AFTER(is_default),NULL),0,@AFTER(is_default))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(last_invoiced_amount),NULL),0,@BEFORE(last_invoiced_amount)),@IF(@COLTEST(@AFTER(last_invoiced_amount),NULL),0,@AFTER(last_invoiced_amount))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(last_invoiced_date),NULL),0,@BEFORE(last_invoiced_date)),@IF(@COLTEST(@AFTER(last_invoiced_date),NULL),0,@AFTER(last_invoiced_date))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(mop_id),NULL),0,@BEFORE(mop_id)),@IF(@COLTEST(@AFTER(mop_id),NULL),0,@AFTER(mop_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(name),NULL),0,@BEFORE(name)),@IF(@COLTEST(@AFTER(name),NULL),0,@AFTER(name))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(not_yet_applied),NULL),0,@BEFORE(not_yet_applied)),@IF(@COLTEST(@AFTER(not_yet_applied),NULL),0,@AFTER(not_yet_applied))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(parent_financial_account_id),NULL),0,@BEFORE(parent_financial_account_id)),@IF(@COLTEST(@AFTER(parent_financial_account_id),NULL),0,@AFTER(parent_financial_account_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(prepaid_disconnect_date),NULL),0,@BEFORE(prepaid_disconnect_date)),@IF(@COLTEST(@AFTER(prepaid_disconnect_date),NULL),0,@AFTER(prepaid_disconnect_date))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(proxy_code_id),NULL),0,@BEFORE(proxy_code_id)),@IF(@COLTEST(@AFTER(proxy_code_id),NULL),0,@AFTER(proxy_code_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(status_id),NULL),0,@BEFORE(status_id)),@IF(@COLTEST(@AFTER(status_id),NULL),0,@AFTER(status_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(type_id),NULL),0,@BEFORE(type_id)),@IF(@COLTEST(@AFTER(type_id),NULL),0,@AFTER(type_id))) &
);

Table BUSINESSDATA_CHILE.INVOICE &
FILTER &
(ON UPDATE, &

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@STRCMP(@IF(@COLTEST(@BEFORE(customer_id),NULL),0,@BEFORE(customer_id)),@IF(@COLTEST(@AFTER(customer_id),NULL),0,@AFTER(customer_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(id),NULL),0,@BEFORE(id)),@IF(@COLTEST(@AFTER(id),NULL),0,@AFTER(id)))
OR &

@STRCMP(@IF(@COLTEST(@BEFORE(amount_applied),NULL),0,@BEFORE(amount_applied)),@IF(@COLTEST(@AFTER(amount_applied),NULL),0,@AFTER(amount_applied))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(amount_paid),NULL),0,@BEFORE(amount_paid)),@IF(@COLTEST(@AFTER(amount_paid),NULL),0,@AFTER(amount_paid))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(balance),NULL),0,@BEFORE(balance)),@IF(@COLTEST(@AFTER(balance),NULL),0,@AFTER(balance))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(balance_brought_forward),NULL),0,@BEFORE(balance_brought_forward)),@IF(@COLTEST(@AFTER(balance_brought_forward),NULL),0,@AFTER(balance_brought_forward)))
OR &

@STRCMP(@IF(@COLTEST(@BEFORE(create_date),NULL),0,@BEFORE(create_date)),@IF(@COLTEST(@AFTER(create_date),NULL),0,@AFTER(create_date))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(due_date),NULL),0,@BEFORE(due_date)),@IF(@COLTEST(@AFTER(due_date),NULL),0,@AFTER(due_date))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(financial_account_id),NULL),0,@BEFORE(financial_account_id)),@IF(@COLTEST(@AFTER(financial_account_id),NULL),0,@AFTER(financial_account_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(invoice_date),NULL),0,@BEFORE(invoice_date)),@IF(@COLTEST(@AFTER(invoice_date),NULL),0,@AFTER(invoice_date))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(invoice_number),NULL),0,@BEFORE(invoice_number)),@IF(@COLTEST(@AFTER(invoice_number),NULL),0,@AFTER(invoice_number))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(invoice_text),NULL),0,@BEFORE(invoice_text)),@IF(@COLTEST(@AFTER(invoice_text),NULL),0,@AFTER(invoice_text))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(is_pending),NULL),0,@BEFORE(is_pending)),@IF(@COLTEST(@AFTER(is_pending),NULL),0,@AFTER(is_pending))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(mop_id),NULL),0,@BEFORE(mop_id)),@IF(@COLTEST(@AFTER(mop_id),NULL),0,@AFTER(mop_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(status_id),NULL),0,@BEFORE(status_id)),@IF(@COLTEST(@AFTER(status_id),NULL),0,@AFTER(status_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(total_amount),NULL),0,@BEFORE(total_amount)),@IF(@COLTEST(@AFTER(total_amount),NULL),0,@AFTER(total_amount))) &
);

Table BUSINESSDATA_CHILE.KEYWORD &
FILTER &
(ON UPDATE, &

@STRCMP(@IF(@COLTEST(@BEFORE(customer_id),NULL),0,@BEFORE(customer_id)),@IF(@COLTEST(@AFTER(customer_id),NULL),0,@AFTER(customer_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(id),NULL),0,@BEFORE(id)),@IF(@COLTEST(@AFTER(id),NULL),0,@AFTER(id)))
OR &

@STRCMP(@IF(@COLTEST(@BEFORE(allowed_keyword_id),NULL),0,@BEFORE(allowed_keyword_id)),@IF(@COLTEST(@AFTER(allowed_keyword_id),NULL),0,@AFTER(allowed_keyword_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(attribute),NULL),0,@BEFORE(attribute)),@IF(@COLTEST(@AFTER(attribute),NULL),0,@AFTER(attribute))) OR &

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@STRCMP(@IF(@COLTEST(@BEFORE(count_value),NULL),0,@BEFORE(count_value)),@IF(@COLTEST(@AFTER(count_value),NULL),0,@AFTER(count_value))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(date_value),NULL),0,@BEFORE(date_value)),@IF(@COLTEST(@AFTER(date_value),NULL),0,@AFTER(date_value))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(keytypes_id),NULL),0,@BEFORE(keytypes_id)),@IF(@COLTEST(@AFTER(keytypes_id),NULL),0,@AFTER(keytypes_id))) &
);

Table BUSINESSDATA_CHILE.OFFER &
FILTER &
(ON UPDATE, &

@STRCMP(@IF(@COLTEST(@BEFORE(customer_id),NULL),0,@BEFORE(customer_id)),@IF(@COLTEST(@AFTER(customer_id),NULL),0,@AFTER(customer_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(id),NULL),0,@BEFORE(id)),@IF(@COLTEST(@AFTER(id),NULL),0,@AFTER(id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(active),NULL),0,@BEFORE(active)),@IF(@COLTEST(@AFTER(active),NULL),0,@AFTER(active))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(agreement_detail_id),NULL),0,@BEFORE(agreement_detail_id)),@IF(@COLTEST(@AFTER(agreement_detail_id),NULL),0,@AFTER(agreement_detail_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(agreement_id),NULL),0,@BEFORE(agreement_id)),@IF(@COLTEST(@AFTER(agreement_id),NULL),0,@AFTER(agreement_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(end_date),NULL),0,@BEFORE(end_date)),@IF(@COLTEST(@AFTER(end_date),NULL),0,@AFTER(end_date))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(financial_account_id),NULL),0,@BEFORE(financial_account_id)),@IF(@COLTEST(@AFTER(financial_account_id),NULL),0,@AFTER(financial_account_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(active),NULL),0,@BEFORE(active)),@IF(@COLTEST(@AFTER(active),NULL),0,@AFTER(active))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(offer_definition_id),NULL),0,@BEFORE(offer_definition_id)),@IF(@COLTEST(@AFTER(offer_definition_id),NULL),0,@AFTER(offer_definition_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(start_date),NULL),0,@BEFORE(start_date)),@IF(@COLTEST(@AFTER(start_date),NULL),0,@AFTER(start_date))) &
);

Table BUSINESSDATA_CHILE.ORDERED_EVENT, &
SQLEXEC (ID exec_ordere_od, &
  QUERY "SELECT &
    CHANNEL_ID vchannelid, &
    ON_DEMAND vondemand &
  FROM &
    BUSINESSDATA_CHILE.EVENT_SCHEDULE ES &
  Where ES.ID= :param_ordereod", &
  PARAMS (param_ordereod = EVENT_SCHEDULE_ID )) &
  TOKENS (TK_DATE_ORVENC = @GETVAL(exec_ordere_od.vchannelid), &
    TK_DATE_ORVEND = @GETVAL(exec_ordere_od.vondemand)) &
FILTER &
(ON UPDATE, &

@STRCMP(@IF(@COLTEST(@BEFORE(customer_id),NULL),0,@BEFORE(customer_id)),@IF(@COLTEST(@AFTER(customer_id),NULL),0,@AFTER(customer_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(id),NULL),0,@BEFORE(id)),@IF(@COLTEST(@AFTER(id),NULL),0,@AFTER(id))) OR &

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@STRCMP(@IF(@COLTEST(@BEFORE(device_agreement_detail_id),NULL),0,@BEFORE(device_agreement_detail_id)),@IF(@COLTEST(@AFTER(device_agreement_detail_id),NULL),0,@AFTER(device_agreement_detail_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(device_id),NULL),0,@BEFORE(device_id)),@IF(@COLTEST(@AFTER(device_id),NULL),0,@AFTER(device_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(event_schedule_id),NULL),0,@BEFORE(event_schedule_id)),@IF(@COLTEST(@AFTER(event_schedule_id),NULL),0,@AFTER(event_schedule_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(event_start_datetime),NULL),0,@BEFORE(event_start_datetime)),@IF(@COLTEST(@AFTER(event_start_datetime),NULL),0,@AFTER(event_start_datetime))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(event_title_id),NULL),0,@BEFORE(event_title_id)),@IF(@COLTEST(@AFTER(event_title_id),NULL),0,@AFTER(event_title_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(financial_account_id),NULL),0,@BEFORE(financial_account_id)),@IF(@COLTEST(@AFTER(financial_account_id),NULL),0,@AFTER(financial_account_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(ordered_date),NULL),0,@BEFORE(ordered_date)),@IF(@COLTEST(@AFTER(ordered_date),NULL),0,@AFTER(ordered_date))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(sales_channel_id),NULL),0,@BEFORE(sales_channel_id)),@IF(@COLTEST(@AFTER(sales_channel_id),NULL),0,@AFTER(sales_channel_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(slot_number),NULL),0,@BEFORE(slot_number)),@IF(@COLTEST(@AFTER(slot_number),NULL),0,@AFTER(slot_number))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(status),NULL),0,@BEFORE(status)),@IF(@COLTEST(@AFTER(status),NULL),0,@AFTER(status))) &
);

Table BUSINESSDATA_CHILE.SUHISTOR
FILTER &
(ON UPDATE, &

@STRCMP(@IF(@COLTEST(@BEFORE(shsubscribernr),NULL),0,@BEFORE(shsubscribernr)),@IF(@COLTEST(@AFTER(shsubscribernr),NULL),0,@AFTER(shsubscribernr))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(shshnr),NULL),0,@BEFORE(shshnr)),@IF(@COLTEST(@AFTER(shshnr),NULL),0,@AFTER(shshnr))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(create_datetime),NULL),0,@BEFORE(create_datetime)),@IF(@COLTEST(@AFTER(create_datetime),NULL),0,@AFTER(create_datetime))) OR &
    @STRCMP(@IF(@COLTEST(@BEFORE(entity_id ),NULL),0,@BEFORE(entity_id )),@IF(@COLTEST(@AFTER(entity_id ),NULL),0,@AFTER(entity_id ))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(entity_key),NULL),0,@BEFORE(entity_key)),@IF(@COLTEST(@AFTER(entity_key),NULL),0,@AFTER(entity_key))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(external_agent_id),NULL),0,@BEFORE(external_agent_id)),@IF(@COLTEST(@AFTER(external_agent_id),NULL),0,@AFTER(external_agent_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(real_date),NULL),0,@BEFORE(real_date)),@IF(@COLTEST(@AFTER(real_date),NULL),0,@AFTER(real_date))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(requested_by_entity_id),NULL),0,@BEFORE(requested_by_entity_id)),@IF(@COLTEST(@AFTER(requested_by_entity_id),NULL),0,@AFTER(requested_by_entity_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(requested_by_type_id),NULL),0,@BEFORE(requested_by_type_id)),@IF(@COLTEST(@AFTER(requested_by_type_id),NULL),0,@AFTER(requested_by_type_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(sheventnr),NULL),0,@BEFORE(sheventnr)),@IF(@COLTEST(@AFTER(sheventnr),NULL),0,@AFTER(sheventnr))) OR &

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@STRCMP(@IF(@COLTEST(@BEFORE(shproductnr),NULL),0,@BEFORE(shproductnr)),@IF(@COLTEST(@AFTER(shproductnr),NULL),0,@AFTER(shproductnr))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(shreason),NULL),0,@BEFORE(shreason)),@IF(@COLTEST(@AFTER(shreason),NULL),0,@AFTER(shreason))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(shusernr),NULL),0,@BEFORE(shusernr)),@IF(@COLTEST(@AFTER(shusernr),NULL),0,@AFTER(shusernr))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(transaction_id),NULL),0,@BEFORE(transaction_id)),@IF(@COLTEST(@AFTER(transaction_id),NULL),0,@AFTER(transaction_id))) &
);
Table BUSINESSDATA_CHILE.SUHISTOR &
FILTER &
(ON UPDATE, ON DELETE, ON INSERT, &
  ((ENTITY_KEY = 2 AND SHEVENTNR = 103) OR &
   (ENTITY_KEY = 2 AND SHEVENTNR = 122) OR &
   (ENTITY_KEY = 2 AND SHEVENTNR = 125) OR &
   (ENTITY_KEY = 14 AND SHEVENTNR = 55 ) OR &
   (ENTITY_KEY = 7 AND SHEVENTNR = 870) &
  )
);

Table BUSINESSDATA_CHILE.WORK_ORDER &
FILTER &
(ON UPDATE, &

@STRCMP(@IF(@COLTEST(@BEFORE(customer_id),NULL),0,@BEFORE(customer_id)),@IF(@COLTEST(@AFTER(customer_id),NULL),0,@AFTER(customer_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(id),NULL),0,@BEFORE(id)),@IF(@COLTEST(@AFTER(id),NULL),0,@AFTER(id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(action_taken),NULL),0,@BEFORE(action_taken)),@IF(@COLTEST(@AFTER(action_taken),NULL),0,@AFTER(action_taken))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(actual_hours),NULL),0,@BEFORE(actual_hours)),@IF(@COLTEST(@AFTER(actual_hours),NULL),0,@AFTER(actual_hours))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(address_id),NULL),0,@BEFORE(address_id)),@IF(@COLTEST(@AFTER(address_id),NULL),0,@AFTER(address_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(agreement_id),NULL),0,@BEFORE(agreement_id)),@IF(@COLTEST(@AFTER(agreement_id),NULL),0,@AFTER(agreement_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(associate_id),NULL),0,@BEFORE(associate_id)),@IF(@COLTEST(@AFTER(associate_id),NULL),0,@AFTER(associate_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(completed_date_time),NULL),0,@BEFORE(completed_date_time)),@IF(@COLTEST(@AFTER(completed_date_time),NULL),0,@AFTER(completed_date_time))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(customer_order_id),NULL),0,@BEFORE(customer_order_id)),@IF(@COLTEST(@AFTER(customer_order_id),NULL),0,@AFTER(customer_order_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(expiration_date),NULL),0,@BEFORE(expiration_date)),@IF(@COLTEST(@AFTER(expiration_date),NULL),0,@AFTER(expiration_date))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(problem_description),NULL),0,@BEFORE(problem_description)),@IF(@COLTEST(@AFTER(problem_description),NULL),0,@AFTER(problem_description))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(registered_date_time),NULL),0,@BEFORE(registered_date_time)),@IF(@COLTEST(@AFTER(registered_date_time),NULL),0,@AFTER(registered_date_time))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(service_date_time),NULL),0,@BEFORE(service_date_time)),@IF(@COLTEST(@AFTER(service_date_time),NULL),0,@AFTER(service_date_time))) OR &

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@STRCMP(@IF(@COLTEST(@BEFORE(service_provider_id),NULL),0,@BEFORE(service_provider_id)),@IF(@COLTEST(@AFTER(service_provider_id),NULL),0,@AFTER(service_provider_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(service_type_id),NULL),0,@BEFORE(service_type_id)),@IF(@COLTEST(@AFTER(service_type_id),NULL),0,@AFTER(service_type_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(stockhandler_id),NULL),0,@BEFORE(stockhandler_id)),@IF(@COLTEST(@AFTER(stockhandler_id),NULL),0,@AFTER(stockhandler_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(work_order_status_id),NULL),0,@BEFORE(work_order_status_id)),@IF(@COLTEST(@AFTER(work_order_status_id),NULL),0,@AFTER(work_order_status_id))) &
);
```

Replicat – CHILE

```
[ggatek2vcs@rgmadbu1903 dirprm]$ more rcchi.prm
REPLICAT rcchi
getenv (JAVA_HOME)
getenv (CLASSPATH)
getenv (PATH)
getenv (LD_LIBRARY_PATH)
--TARGETDB LIBFILE libggjava.so SET property=dirprm/cass.props
TARGETDB LIBFILE libggjava.so SET property=dirprm/cass_chi.props
REPORTCOUNT EVERY 1 MINUTES, RATE
DISCARDFILE ./dirprt/rcchi.dcs, APPEND, MEGABYTES 512
REPORTROLLOVER AT 17:30 ON SUNDAY
DISCARDROLLOVER AT 18:30 ON SUNDAY
GROUPTRANSOPS 10000
HANDLECOLLISIONS
INSERTALLRECORDS

MAP BUSINESSDATA_CHILE.ADDRESS, TARGET K2VIEW_CUSTOMER_LU.IBS_ADDRESS,
FILTER (ADDRCUSTNR > 0),
COLMAP (
    ADDRRCUSTNR = ADDRRCUSTNR,
    SOURCE_ID = '2',
    POS = @GETENV('GGHEADER', 'LOGPOSITION'),
    OP_TYPE = @GETENV('GGHEADER', 'OPTYPE'),
    OP_TS = @GETENV('GGHEADER', 'COMMITTIMESTAMP'),
    ADDRNR = ADDRNR,
    ADDRRCAREOFNAME = ADDRRCAREOFNAME,
    ADDRSTREET = ADDRSTREET,
    ADDRREXTRA = ADDRREXTRA,
    ADDRPOSTCODE = ADDRPOSTCODE,
    ADDROUNTRY = COUNTRY_ID,
    ADDRHOUSEALPHANR = ADDRHOUSEALPHANR,
    ADDRSMALLCITY = ADDRSMALLCITY,
    ADDRREVENTNR = ADDRREVENTNR,
    ADDRBIGCITY = ADDRBIGCITY,
    ADDRSTREETADDRESSN = ADDRSTREETADDRESSN,
    ADDRHOUSENRNUMERIC = ADDRHOUSENRNUMERIC,
    ADDRPROVINCENUMBER = ADDRPROVINCENUMBER,
    ADDRDICTIONS = ADDRDICTIONS,
    MARKETSEGMENT_ID = MARKETSEGMENT_ID,
    FK_GEO_CODE_ID = FK_GEO_CODE_ID,
    ADDR_ENTITY_ID = ADDR_ENTITY_ID,
    APARTMENT_NUMBER = APARTMENT_NUMBER,
    ADDRPHONEH = ADDRPHONEH,
    WORKPHONEEXT = WORKPHONEEXT,
    ADDRPHONEW = ADDRPHONEW,
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        HOMEPHONEEXT = HOMEPHONEEXT,
        ADDRFX1 = ADDRFX1,
        ADDRFX2 = ADDRFX2,
        ADDREMAILADDR = ADDREMAILADDR,
        ADDRSURNAME = ADDRSURNAME,
        ADDRFIRSTNAME = ADDRFIRSTNAME,
        ADDRIDDLENAME = ADDRIDDLENAME,
        ADDRTITLE = TITLE_ID
    );
MAP BUSINESSDATA_CHILE.ADDRESS, TARGET K2VIEW_CUSTOMER_LU.SYNC_ON_FLY (
    FILTER (ADDRCUSTNR > 0),
    COLMAP(
        SOURCE_ID = '2',
        ENTITY_ID = @STRCAT(ADDRCUSTNR, '_1_2')
    );
MAP BUSINESSDATA_CHILE.AGREEMENT_DETAIL, TARGET K2VIEW_CUSTOMER_LU.IBS_AGREEMENT_DETAIL,
    FILTER (AGREEMENT_ID > 0 and CUSTOMER_ID > 0),
    COLMAP (
        ID = ID,
        POS = @GETENV('GGHEADER','LOGPOSITION'),
        OP_TYPE = @GETENV('GGHEADER','OPTYPE'),
        OP_TS = @GETENV('GGHEADER','COMMITTIMESTAMP'),
        COMM_PRODUCT_ID = COMM_PRODUCT_ID,
        STATUS = STATUS,
        AGREEMENT_ID = AGREEMENT_ID,
        FINANCIAL_ACCOUNT_ID = FINANCIAL_ACCOUNT_ID,
        CUSTOMER_ID = CUSTOMER_ID,
        FINANCE_OPTION_ID = FINANCE_OPTION_ID,
        CONTRACT_PERIOD = CONTRACT_PERIOD,
        CHARGE_PERIOD_ID = CHARGE_PERIOD_ID,
        CHARGE_UNTIL_DATE = @DATE ('YYYY-MM-DD', 'YYYY-MM-DD:HH:MI:SS', CHARGE_UNTIL_DATE),
        CONTRACT_START_DATE = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS',
CONTRACT_START_DATE),
        CONTRACT_END_DATE = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS', CONTRACT_END_DATE),
        CHARGE_PERIOD = @CASE (CHARGE_PERIOD_ID, 1, 'Monthly', 3, 'Quarterly', 6, 'HalfYearly',
12, 'Yearly'),
        SOURCE_ID = '2'
    );
MAP BUSINESSDATA_CHILE.AGREEMENT_DETAIL, TARGET K2VIEW_CUSTOMER_LU.SYNC_ON_FLY (
    FILTER (AGREEMENT_ID > 0 and CUSTOMER_ID > 0),
    COLMAP(
        SOURCE_ID = '2',
        ENTITY_ID = @STRCAT(CUSTOMER_ID, '_1_2')
    );
MAP BUSINESSDATA_CHILE.AGREEMENT, TARGET K2VIEW_CUSTOMER_LU.IBS_AGREEMENT,
    FILTER (CUSTOMER_ID > 0),
    COLMAP (
        ID = ID,
        POS = @GETENV('GGHEADER','LOGPOSITION'),
        OP_TYPE = @GETENV('GGHEADER','OPTYPE'),
        OP_TS = @GETENV('GGHEADER','COMMITTIMESTAMP'),
        CONTRACT_NUMBER = CONTRACT_NUMBER,
        MARKET_SEGMENT_ID = MARKET_SEGMENT_ID,
        NAME = NAME,
        STATUS = STATUS,
        TYPE = TYPE,
        CUSTOMER_ID = CUSTOMER_ID,
        STOCK_HANDLER_ID = STOCK_HANDLER_ID,
        CHARGE_PERIOD_ID = CHARGE_PERIOD_ID,
        CONTRACT_START_DATE = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS',
CONTRACT_START_DATE),
        CONTRACT_END_DATE = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS', CONTRACT_END_DATE),
        CHARGE_PERIOD = @CASE (CHARGE_PERIOD_ID, 1, 'Monthly', 3, 'Quarterly', 6, 'HalfYearly',
12, 'Yearly'),
        SOURCE_ID = '2'
    );

```

```

);
MAP BUSINESSDATA_CHILE.AGREEMENT, TARGET K2VIEW_CUSTOMER_LU.SYNC_ON_FLY (
  FILTER (CUSTOMER_ID > 0),
  COLMAP(
    SOURCE_ID = '2',
    ENTITY_ID = @STRCAT(CUSTOMER_ID, '_1_2')
  );
);

MAP BUSINESSDATA_CHILE.CONTACT, TARGET K2VIEW_CUSTOMER_LU.IBS_CONTACT,
  FILTER (CUSTOMER_ID > 0),
  COLMAP (
    ID = ID,
    POS = @GETENV('GGHEADER', 'LOGPOSITION'),
    OP_TYPE = @GETENV('GGHEADER', 'OPTYPE'),
    OP_TS = @GETENV('GGHEADER', 'COMMITTIMESTAMP'),
    PRODUCT_ID = PRODUCT_ID,
    METHOD = METHOD,
    DEVICE_ID = DEVICE_ID,
    ORDER_ID = ORDER_ID,
    WORK_ORDER_ID = WORK_ORDER_ID,
    ACTION_TAKEN = ACTION_TAKEN,
    CATEGORY = CATEGORY,
    PROBLEM_DESC = PROBLEM_DESC,
    CREATED_BY_USER = CREATED_BY_USER,
    STATUS = STATUS,
    ALLOCATED_TO_USER = ALLOCATED_TO_USER,
    CUSTOMER_ID = CUSTOMER_ID ,
    CREATED_DATE = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS', CREATED_DATE),
    ACTION_DATE = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS', ACTION_DATE),
    SOURCE_ID = '2'
  );
);

MAP BUSINESSDATA_CHILE.CONTACT, TARGET K2VIEW_CUSTOMER_LU.SYNC_ON_FLY (
  FILTER (CUSTOMER_ID > 0),
  COLMAP(
    SOURCE_ID = '2',
    ENTITY_ID = @STRCAT(CUSTOMER_ID, '_1_2')
  );
);

MAP BUSINESSDATA_CHILE.CREDIT_CARD, TARGET K2VIEW_CUSTOMER_LU.IBS_CREDIT_CARD,
  FILTER (FINANCIAL_ACCOUNT_ID > 0 and @TOKEN ('TK_CC_CUSTOMER') > 0),
  COLMAP (USEDEFAULTS,
    FINANCIAL_ACCOUNT_ID = FINANCIAL_ACCOUNT_ID,
    POS = @GETENV('GGHEADER', 'LOGPOSITION'),
    OP_TYPE = @GETENV('GGHEADER', 'OPTYPE'),
    OP_TS = @GETENV('GGHEADER', 'COMMITTIMESTAMP'),
    CREDIT_CARD_NUMBER = @TOKEN ('TK_CC_NUMBER'),
    CUSTOMER_ID = @TOKEN ('TK_CC_CUSTOMER'),
    SOURCE_ID = '2'
  );
);

MAP BUSINESSDATA_CHILE.CREDIT_CARD, TARGET K2VIEW_CUSTOMER_LU.SYNC_ON_FLY (
  FILTER (FINANCIAL_ACCOUNT_ID > 0 and @TOKEN ('TK_CC_CUSTOMER') > 0),
  COLMAP(
    SOURCE_ID = '2',
    ENTITY_ID = @STRCAT(@STRNUM(@TOKEN ('TK_CC_CUSTOMER')), '_1_2')
  );
);

MAP BUSINESSDATA_CHILE.CUSTOM_FIELD_VALUE, TARGET K2VIEW_CUSTOMER_LU.IBS_CUSTOM_FIELD_VALUE,
  FILTER (@TOKEN ('TK_DATE_CUSFEM') =1 and INSTANCE_ID > 0),
  COLMAP (
    ID = ID,
    POS = @GETENV('GGHEADER', 'LOGPOSITION'),
    OP_TYPE = @GETENV('GGHEADER', 'OPTYPE'),
    OP_TS = @GETENV('GGHEADER', 'COMMITTIMESTAMP'),
    CUSTOM_FIELD_ENTITY_ID = CUSTOM_FIELD_ENTITY_ID ,
    VALUE = VALUE ,
    INSTANCE_ID = INSTANCE_ID ,
    ENTITY_METADATA_ID = @TOKEN ('TK_DATE_CUSFEM'),
  );

```

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        INSTANCE_ID = INSTANCE_ID,
        SOURCE_ID = '2'
    );
MAP BUSINESSDATA_CHILE.CUSTOM_FIELD_VALUE, TARGET K2VIEW_CUSTOMER_LU.SYNC_ON_FLY (
    FILTER (@TOKEN ('TK_DATE_CUSFEM') =1 and INSTANCE_ID > 0),
    COLMAP(
        SOURCE_ID = '2',
        ENTITY_ID = @STRCAT(INSTANCE_ID, '_1_2')
    );

MAP BUSINESSDATA_CHILE.CUSTOMER, TARGET K2VIEW_CUSTOMER_LU.IBS_CUSTOMER,
    FILTER (ID > 0),
    COLMAP(
        ENTITY_ID = @STRCAT(ID, '_1_2'),
        OP_TYPE = @GETENV('GGHEADER','OPTYPE'),
        OP_TS = @GETENV('GGHEADER','COMMITTIMESTAMP'),
        POS = @GETENV('GGHEADER','LOGPOSITION'),
        TYPE_ID = TYPE_ID,
        STATUS_ID = STATUS_ID,
        CLASS_ID = CLASS_ID,
        SEGMENTATION_ID = SEGMENTATION_ID,
        CUSTOMER_SINCE = @DATE ('YYYY-MM-DD', 'YYYY-MM-DD HH:MI:SS', CUSTOMER_SINCE),
        EXEMPTION_CODE_ID = EXEMPTION_CODE_ID ,
        EXEMPTION_SERIAL_NUMBER = EXEMPTION_SERIAL_NUMBER,
        EXEMPTION_FROM = @DATE ('YYYY-MM-DD', 'YYYY-MM-DD HH:MI:SS', EXEMPTION_FROM),
        ID = ID,
        REFERENCE_TYPE_ID = REFERENCE_TYPE_ID,
        IDENTIFICATION_ID = @TOKEN ('TK_IDENTIFICATION_ID'),
        INTERNET_PASSWORD_ENC = @TOKEN ('TK_INTERNET_PASSWORD_ENC'),
        INTERNET_PASSWORD_IV = @BINTOHEX (INTERNET_PASSWORD_IV),
        INTERNET_USER_NAME = INTERNET_USER_NAME,
        LANGUAGE_ID = LANGUAGE_ID,
        BIRTH_DATE = @TOKEN ('TK_BIRTH_DATE'),
        BUSINESS_UNIT_ID = BUSINESS_UNIT_ID,
        MAGAZINES = MAGAZINES,
        SOURCE_ID = '2'
    );
MAP BUSINESSDATA_CHILE.CUSTOMER, TARGET K2VIEW_CUSTOMER_LU.SYNC_ON_FLY (
    FILTER (ID > 0),
    COLMAP(
        SOURCE_ID = '2',
        ENTITY_ID = @STRCAT(ID, '_1_2')
    );

MAP BUSINESSDATA_CHILE.DEVICE_AGREEMENT_DETAIL, TARGET
K2VIEW_CUSTOMER_LU.IBS_DEVICE_AGREEMENT_DETAIL,
    FILTER (@TOKEN ('TK_DEVAGR_CI') > 0),
    COLMAP (
        ID = ID,
        POS = @GETENV('GGHEADER','LOGPOSITION'),
        OP_TYPE = @GETENV('GGHEADER','OPTYPE'),
        OP_TS = @GETENV('GGHEADER','COMMITTIMESTAMP'),
        AGREEMENT_DETAIL_ID = AGREEMENT_DETAIL_ID,
        DEVICE_ID = DEVICE_ID,
        SERIAL_NUMBER = @TOKEN ('TK_DEVAGR_SN'),
        CUSTOMER_ID = @TOKEN ('TK_DEVAGR_CI'),
        MODEL_ID = @TOKEN ('TK_DEVAGR_MI'),
        CA_REFERENCE_NUMBER = @TOKEN ('TK_DEVAGR_RN'),
        MAC_ADDRESS1 = @TOKEN ('TK_DEVAGR_MA'),
        CUSTOMER_ID = @TOKEN ('TK_DEVAGR_CI'),
        DEVICE_LINK_DATE = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS', DEVICE_LINK_DATE),
        SOURCE_ID = '2'
    );
MAP BUSINESSDATA_CHILE.DEVICE_AGREEMENT_DETAIL, TARGET K2VIEW_CUSTOMER_LU.SYNC_ON_FLY (
    FILTER (@TOKEN ('TK_DEVAGR_CI') > 0),
    COLMAP(
        SOURCE_ID = '2',

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        ENTITY_ID = @STRCAT(@TOKEN ('TK_DEVAGR_CI'), '_1_2')
    );

MAP BUSINESSDATA_CHILE.DEVICE, TARGET K2VIEW_CUSTOMER_LU.IBS_DEVICE,
COLMAP (
    ID = ID,
    POS = @GETENV('GGHEADER','LOGPOSITION'),
    OP_TYPE = @GETENV('GGHEADER','OPTYPE'),
    OP_TS = @GETENV('GGHEADER','COMMITTIMESTAMP'),
    SERIAL_NUMBER = SERIAL_NUMBER,
    MODEL_ID = MODEL_ID,
    CA_REFERENCE_NUMBER = CA_REFERENCE_NUMBER,
    MAC_ADDRESS1 = MAC_ADDRESS1,
    STATUS_ID = STATUS_ID,
    SOURCE_ID = '2'
);

MAP BUSINESSDATA_CHILE.DEVICE, TARGET K2VIEW_CUSTOMER_LU.SYNC_ON_FLY,
COLMAP(
SOURCE_ID = '2',
ENTITY_ID = @STRCAT(ID, '_1_2')
);

MAP BUSINESSDATA_CHILE.FINANCIAL_ACCOUNT, TARGET K2VIEW_CUSTOMER_LU.IBS_FINANCIAL_ACCOUNT,
FILTER (CUSTOMER_ID > 0),
COLMAP (
    ID = ID,
    POS = @GETENV('GGHEADER','LOGPOSITION'),
    OP_TYPE = @GETENV('GGHEADER','OPTYPE'),
    OP_TS = @GETENV('GGHEADER','COMMITTIMESTAMP'),
    NAME = NAME,
    STATUS_ID = STATUS_ID,
    TYPE_ID = TYPE_ID,
    BALANCE = BALANCE,
    INVOICE_DELIVERY_METHOD_ID = INVOICE_DELIVERY_METHOD_ID,
    CURRENCY_ID = CURRENCY_ID,
    DUNNING_LEVEL_ID = DUNNING_LEVEL_ID,
    INVOICING_PROFILE_ID = INVOICING_PROFILE_ID,
    LAST_INVOICED_AMOUNT = LAST_INVOICED_AMOUNT,
    PARENT_FINANCIAL_ACCOUNT_ID = PARENT_FINANCIAL_ACCOUNT_ID,
    MOP_ID = MOP_ID,
    IS_DEFAULT = IS_DEFAULT,
    PROXY_CODE_ID = PROXY_CODE_ID,
    NOT_YET_APPLIED = NOT_YET_APPLIED,
    CUSTOMER_ID = CUSTOMER_ID,
    LAST_INVOICED_DATE = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS',
LAST_INVOICED_DATE),
    PREPAID_DISCONNECT_DATE = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS',
PREPAID_DISCONNECT_DATE),
    SOURCE_ID = '2'
);

MAP BUSINESSDATA_CHILE.FINANCIAL_ACCOUNT, TARGET K2VIEW_CUSTOMER_LU.SYNC_ON_FLY (
FILTER (CUSTOMER_ID > 0),
COLMAP(
    SOURCE_ID = '2',
    ENTITY_ID = @STRCAT(CUSTOMER_ID, '_1_2')
);

MAP BUSINESSDATA_CHILE.INVOICE, TARGET K2VIEW_CUSTOMER_LU.IBS_INVOICE,
FILTER (CUSTOMER_ID > 0),
COLMAP (
    ID = ID,
    POS = @GETENV('GGHEADER','LOGPOSITION'),
    OP_TYPE = @GETENV('GGHEADER','OPTYPE'),
    OP_TS = @GETENV('GGHEADER','COMMITTIMESTAMP'),
    FINANCIAL_ACCOUNT_ID = FINANCIAL_ACCOUNT_ID,
    AMOUNT_PAID = AMOUNT_PAID,
    INVOICE_NUMBER = INVOICE_NUMBER,

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STATUS_ID = STATUS_ID,
INVOICE_TEXT = INVOICE_TEXT,
MOP_ID = MOP_ID,
TOTAL_AMOUNT = TOTAL_AMOUNT,
CUSTOMER_ID = CUSTOMER_ID,
BALANCE = BALANCE,
IS_PENDING = IS_PENDING,
BALANCE_BROUGHT_FORWARD = BALANCE_BROUGHT_FORWARD,
DIAS = @DATEDIFF('DD' , DUE_DATE, @DATENOW() ),
CREATE_DATE = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS', CREATE_DATE),
DUE_DATE = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS', DUE_DATE),
INVOICE_DATE = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS', INVOICE_DATE),
SOURCE_ID = '2'
);
MAP BUSINESSDATA_CHILE.INVOICE, TARGET K2VIEW_CUSTOMER_LU.SYNC_ON_FLY (
FILTER (CUSTOMER_ID > 0),
COLMAP(
SOURCE_ID = '2',
ENTITY_ID = @STRCAT(CUSTOMER_ID, '_1_2')
);
);
MAP BUSINESSDATA_CHILE.KEYWORD, TARGET K2VIEW_CUSTOMER_LU.IBS_KEYWORD,
FILTER (CUSTOMER_ID > 0),
COLMAP (
CUSTOMER_ID = CUSTOMER_ID,
POS = @GETENV('GGHEADER', 'LOGPOSITION'),
OP_TYPE = @GETENV('GGHEADER', 'OPTYPE'),
OP_TS = @GETENV('GGHEADER', 'COMMITTIMESTAMP'),
ATTRIBUTE = ATTRIBUTE,
COUNT_VALUE = COUNT_VALUE,
ID = ID,
ALLOWED_KEYWORD_ID = ALLOWED_KEYWORD_ID,
KEYTYPES_ID = KEYTYPES_ID,
DATE_VALUE = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS', DATE_VALUE),
SOURCE_ID = '2'
);
MAP BUSINESSDATA_CHILE.KEYWORD, TARGET K2VIEW_CUSTOMER_LU.SYNC_ON_FLY (
FILTER (CUSTOMER_ID > 0),
COLMAP(
SOURCE_ID = '2',
ENTITY_ID = @STRCAT(CUSTOMER_ID, '_1_2')
);
);
MAP BUSINESSDATA_CHILE.OFFER, TARGET K2VIEW_CUSTOMER_LU.IBS_OFFER,
FILTER (CUSTOMER_ID > 0),
COLMAP (
ID = ID,
POS = @GETENV('GGHEADER', 'LOGPOSITION'),
OP_TYPE = @GETENV('GGHEADER', 'OPTYPE'),
OP_TS = @GETENV('GGHEADER', 'COMMITTIMESTAMP'),
ACTIVE = ACTIVE,
OFFER_DEFINITION_ID = OFFER_DEFINITION_ID,
CUSTOMER_ID = CUSTOMER_ID,
FINANCIAL_ACCOUNT_ID = FINANCIAL_ACCOUNT_ID,
AGREEMENT_ID = AGREEMENT_ID,
AGREEMENT_DETAIL_ID = AGREEMENT_DETAIL_ID,
START_DATE = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS', START_DATE),
END_DATE = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS', END_DATE),
IS_ACTIVE = @IF (ACTIVE =1 , 'Active', 'Canceled')
SOURCE_ID = '2'
);
MAP BUSINESSDATA_CHILE.OFFER, TARGET K2VIEW_CUSTOMER_LU.SYNC_ON_FLY (
FILTER (CUSTOMER_ID > 0),
COLMAP(
SOURCE_ID = '2',
ENTITY_ID = @STRCAT(CUSTOMER_ID, '_1_2')
);
);

```

```

MAP BUSINESSDATA_CHILE.ORDERED_EVENT, TARGET K2VIEW_CUSTOMER_LU.IBS_ORDERED_EVENT,
FILTER (CUSTOMER_ID > 0),
COLMAP (
    ID = ID,
    POS = @GETENV('GGHEADER','LOGPOSITION'),
    OP_TYPE = @GETENV('GGHEADER','OPTYPE'),
    OP_TS = @GETENV('GGHEADER','COMMITTIMESTAMP'),
    EVENT_TITLE_ID = EVENT_TITLE_ID,
    CUSTOMER_ID = CUSTOMER_ID,
    DEVICE_ID = DEVICE_ID,
    EVENT_SCHEDULE_ID = EVENT_SCHEDULE_ID,
    SALES_CHANNEL_ID = SALES_CHANNEL_ID,
    DEVICE_AGREEMENT_DETAIL_ID = DEVICE_AGREEMENT_DETAIL_ID,
    FINANCIAL_ACCOUNT_ID = FINANCIAL_ACCOUNT_ID,
    SLOT_NUMBER = SLOT_NUMBER,
    STATUS = STATUS,
    CHANNEL_ID = @TOKEN ('TK_DATE_ORVENC'),
    ON_DEMAND = @TOKEN ('TK_DATE_ORVEND'),
    ORDERED_DATE = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS', ORDERED_DATE),
    EVENT_START_DATETIME = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS',
EVENT_START_DATETIME),
    SOURCE_ID = '2'
);
MAP BUSINESSDATA_CHILE.ORDERED_EVENT, TARGET K2VIEW_CUSTOMER_LU.SYNC_ON_FLY (
FILTER (CUSTOMER_ID > 0),
COLMAP(
    SOURCE_ID = '2',
    ENTITY_ID = @STRCAT(CUSTOMER_ID, '_1_2')
);

MAP BUSINESSDATA_CHILE.SUHISTOR, TARGET K2VIEW_CUSTOMER_LU.IBS_SUHISTOR,
FILTER (SHSUBSCRIBERNR > 0),
COLMAP (
    POS = @GETENV('GGHEADER','LOGPOSITION'),
    OP_TYPE = @GETENV('GGHEADER','OPTYPE'),
    OP_TS = @GETENV('GGHEADER','COMMITTIMESTAMP'),
    ENTITY_KEY = ENTITY_KEY,
    SHEVENTNR = SHEVENTNR,
    ENTITY_ID = ENTITY_ID,
    SHUSERNR = SHUSERNR,
    EXTERNAL_AGENT_ID = EXTERNAL_AGENT_ID,
    SHSUBSCRIBERNR = SHSUBSCRIBERNR,
    SHSHNR = SHSHNR,
    SHREASON = SHREASON,
    SHPRODUCTNR = SHPRODUCTNR,
    REQUESTED_BY_TYPE_ID = REQUESTED_BY_TYPE_ID,
    REQUESTED_BY_ENTITY_ID = REQUESTED_BY_ENTITY_ID,
    TRANSACTION_ID = TRANSACTION_ID,
    CREATE_DATETIME = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS', CREATE_DATETIME),
    REAL_DATE = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS', REAL_DATE),
    SOURCE_ID = '2'
);
MAP BUSINESSDATA_CHILE.SUHISTOR, TARGET K2VIEW_CUSTOMER_LU.SYNC_ON_FLY (
FILTER (SHSUBSCRIBERNR > 0),
COLMAP(
    SOURCE_ID = '2',
    ENTITY_ID = @STRCAT(SHSUBSCRIBERNR, '_1_2')
);

MAP BUSINESSDATA_CHILE.WORK_ORDER, TARGET K2VIEW_CUSTOMER_LU.IBS_WORK_ORDER,
FILTER (CUSTOMER_ID > 0),
COLMAP (
    ID = ID,
    POS = @GETENV('GGHEADER','LOGPOSITION'),
    OP_TYPE = @GETENV('GGHEADER','OPTYPE'),
    OP_TS = @GETENV('GGHEADER','COMMITTIMESTAMP'),

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ACTION_TAKEN = ACTION_TAKEN,
PROBLEM_DESCRIPTION = PROBLEM_DESCRIPTION,
ADDRESS_ID = ADDRESS_ID,
WORK_ORDER_STATUS_ID = WORK_ORDER_STATUS_ID,
AGREEMENT_ID = AGREEMENT_ID,
SERVICE_TYPE_ID = SERVICE_TYPE_ID,
SERVICE_PROVIDER_ID = SERVICE_PROVIDER_ID,
CUSTOMER_ORDER_ID = CUSTOMER_ORDER_ID,
STOCKHANDLER_ID = STOCKHANDLER_ID,
ACTUAL_HOURS = ACTUAL_HOURS,
CUSTOMER_ID = CUSTOMER_ID,
REGISTERED_DATE_TIME = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS',
REGISTERED_DATE_TIME),
SERVICE_DATE_TIME = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS',
SERVICE_DATE_TIME),
COMPLETED_DATE_TIME = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS',
COMPLETED_DATE_TIME),
EXPIRATION_DATE = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS', EXPIRATION_DATE),
SOURCE_ID = '2'
);
MAP BUSINESSDATA_CHILE.WORK_ORDER, TARGET K2VIEW_CUSTOMER_LU.SYNC_ON_FLY (
FILTER (CUSTOMER_ID > 0),
COLMAP(
SOURCE_ID = '2',
ENTITY_ID = @STRCAT(CUSTOMER_ID, '_1_2')
);
MAP BUSINESSDATA_CHILE.WORK_ORDER_SERVICE, TARGET K2VIEW_CUSTOMER_LU.IBS_WORK_ORDER_SERVICE,
FILTER (@TOKEN ('TK_WOS_CID') > 0),
COLMAP (
ID = ID,
POS = @GETENV('GGHEADER', 'LOGPOSITION'),
OP_TYPE = @GETENV('GGHEADER', 'OPTYPE'),
OP_TS = @GETENV('GGHEADER', 'COMMITTIMESTAMP'),
WORK_ORDER_ID = WORK_ORDER_ID,
SERVICE_ID = SERVICE_ID,
DEVICE_ID = DEVICE_ID,
PRODUCT_ID = PRODUCT_ID,
HARDWARE_MODEL_ID = HARDWARE_MODEL_ID,
ACTION_TAKEN = ACTION_TAKEN,
PROBLEM_DESCRIPTION = PROBLEM_DESCRIPTION,
QUANTITY = QUANTITY,
SERIAL_NUMBER = @TOKEN ('TK_WOS_SR'),
CUSTOMER_ID = @TOKEN ('TK_WOS_CID'),
SOURCE_ID = '2'
);
MAP BUSINESSDATA_CHILE.WORK_ORDER_SERVICE, TARGET K2VIEW_CUSTOMER_LU.SYNC_ON_FLY (
FILTER (@TOKEN ('TK_WOS_CID') > 0),
COLMAP(
SOURCE_ID = '2',
ENTITY_ID = @STRCAT(@TOKEN ('TK_WOS_CID'), '_1_2')
);
[ggatek2vCS@rgmadbu1903 dirprm]$

```

Properties File - Chile

```

[ggatek2vCS@rgmadbu1903 dirprm]$ more cass_chi.props
gg.handlerlist=cassandra
## AVRO -----
gg.mdp.type = avro
gg.mdp.schemaFilePath = /u01/app/ggate_K2V_CS/OGGForBD/avromdp_chi
gg.mdp.charset = UTF-8

```



```
#The handler properties
gg.handler.cassandra.type=cassandra
gg.handler.cassandra.mode=op
#### Connection data to cassandra
gg.handler.cassandra.contactPoints=172.22.126.182,172.22.126.184,172.22.126.196
gg.handler.cassandra.username=admin
gg.handler.cassandra.password=admin

#gg.handler.cassandra.ddlHandling=CREATE,ADD
#set compressedUpdates to false in case of full image
gg.handler.cassandra.compressedUpdates=true
gg.handler.cassandra.cassandraMode=sync
gg.handler.cassandra.consistencyLevel=LOCAL_ONE
goldengate.userexit.timestamp=utc
goldengate.userexit.writers=javawriter
javawriter.stats.display=TRUE
javawriter.stats.full=TRUE
gg.log=log4j
gg.log.level=info
#gg.log.level=debug
gg.report.time=30sec
auto.create.topics.enable =TRUE
gg.classpath=/u01/app/ggate_K2V_CS/OGGForBD/cassandrdrv/cassandra-java-driver-
3.1.4/*:/u01/app/ggate_K2V_CS/OGGForBD/cassandrdrv/cassandra-java-driver-
3.1.4/lib/*:/u01/app/ggate_K2V_CS
/OGGForBD/dirprm/
javawriter.bootoptions=-Xmx512m -Xms32m -Djava.class.path=.:ggjava/ggjava.jar:./dirprm
#gg.handler.cassandra.filter=oracle.goldengate.datasource.NoOpUpdateFilter
[ggatek2vCS@rgmadbu1903 dirprm]$
```

Avro files - Chile

```
[ggatek2vCS@rgmadbu1903 avromdp_chi]$ ls -l
total 68
-rwxrwxr-x 1 ggatek2vCS ggatek2vCS 2156 Nov 16 13:46 K2VIEW_CUSTOMER_LU.IBS_ADDRESS.mdp.avsc
-rwxrwxr-x 1 ggatek2vCS ggatek2vCS 1142 Nov 16 13:46 K2VIEW_CUSTOMER_LU.IBS_AGREEMENT_DETAIL.mdp.avsc
-rwxrwxr-x 1 ggatek2vCS ggatek2vCS 1054 Nov 16 13:46 K2VIEW_CUSTOMER_LU.IBS_AGREEMENT.mdp.avsc
-rwxrwxr-x 1 ggatek2vCS ggatek2vCS 1205 Nov 16 13:46 K2VIEW_CUSTOMER_LU.IBS_CONTACT.mdp.avsc
-rwxrwxr-x 1 ggatek2vCS ggatek2vCS 586 Nov 16 13:46 K2VIEW_CUSTOMER_LU.IBS_CREDIT_CARD.mdp.avsc
-rwxrwxr-x 1 ggatek2vCS ggatek2vCS 1474 Nov 16 13:46 K2VIEW_CUSTOMER_LU.IBS_CUSTOMER.mdp.avsc
-rwxrwxr-x 1 ggatek2vCS ggatek2vCS 658 Nov 16 13:46 K2VIEW_CUSTOMER_LU.IBS_CUSTOM_FIELD_VALUE.mdp.avsc
-rwxrwxr-x 1 ggatek2vCS ggatek2vCS 893 Nov 16 13:46 K2VIEW_CUSTOMER_LU.IBS_DEVICE_AGREEMENT_DETAIL.mdp.avsc
-rwxrwxr-x 1 ggatek2vCS ggatek2vCS 1651 Nov 16 13:46 K2VIEW_CUSTOMER_LU.IBS_FINANCIAL_ACCOUNT.mdp.avsc
-rwxrwxr-x 1 ggatek2vCS ggatek2vCS 1276 Nov 16 13:46 K2VIEW_CUSTOMER_LU.IBS_INVOICE.mdp.avsc
-rwxrwxr-x 1 ggatek2vCS ggatek2vCS 745 Nov 16 13:46 K2VIEW_CUSTOMER_LU.IBS_KEYWORD.mdp.avsc
-rwxrwxr-x 1 ggatek2vCS ggatek2vCS 935 Nov 16 13:46 K2VIEW_CUSTOMER_LU.IBS_OFFER.mdp.avsc
-rwxrwxr-x 1 ggatek2vCS ggatek2vCS 1187 Nov 16 13:46 K2VIEW_CUSTOMER_LU.IBS_ORDERED_EVENT.mdp.avsc
-rwxrwxr-x 1 ggatek2vCS ggatek2vCS 1161 Nov 16 13:46 K2VIEW_CUSTOMER_LU.IBS_SUHISTOR.mdp.avsc
-rwxrwxr-x 1 ggatek2vCS ggatek2vCS 1345 Nov 16 13:46 K2VIEW_CUSTOMER_LU.IBS_WORK_ORDER.mdp.avsc
-rwxrwxr-x 1 ggatek2vCS ggatek2vCS 991 Nov 16 13:46 K2VIEW_CUSTOMER_LU.IBS_WORK_ORDER_SERVICE.mdp.avsc
-rwxrwxr-x 1 ggatek2vCS ggatek2vCS 390 Nov 16 13:46 K2VIEW_CUSTOMER_LU.SYNC_ON_FLY.mdp.avsc
[ggatek2vCS@rgmadbu1903 avromdp_chi]$
```

```
[ggatek2vCS@rgmadbu1903 avromdp_chi]$ more K2VIEW_CUSTOMER_LU.IBS_ADDRESS.mdp.avsc
{"namespace": "K2VIEW_CUSTOMER_LU",
 "type": "record",
```

```
"name": "IBS_ADDRESS",
"fields": [
  {"name": "ADDRCUSTNR", "type": "int", "primary_key": true},
  {"name": "SOURCE_ID", "type": "int", "primary_key": true},
  {"name": "POS", "type": "int", "primary_key": true},
  {"name": "OP_TYPE", "type": ["string", "null"]},
  {"name": "OP_TS", "type": ["string", "null"]},
  {"name": "ADDRNR", "type": ["int", "null"]},
  {"name": "ADDRCAREOFNAME", "type": ["string", "null"]},
  {"name": "ADDRSTREET", "type": ["string", "null"]},
  {"name": "ADDREXTRA", "type": ["string", "null"]},
  {"name": "ADDRPOSTCODE", "type": ["string", "null"]},
  {"name": "ADDRCOUNTRY", "type": ["string", "null"]},
  {"name": "ADDRHOUSEALPHANR", "type": ["string", "null"]},
  {"name": "ADDRSMALLCITY", "type": ["string", "null"]},
  {"name": "ADDREVENTNR", "type": ["int", "null"]},
  {"name": "ADDRBIGCITY", "type": ["string", "null"]},
  {"name": "ADDRSTREETADDRESSN", "type": ["int", "null"]},
  {"name": "ADDRHOUSENRNUMERIC", "type": ["int", "null"]},
  {"name": "ADDRPROVINCENUMBER", "type": ["int", "null"]},
  {"name": "ADDRDIRECTIONS", "type": ["string", "null"]},
  {"name": "MARKETSEGMENT_ID", "type": ["int", "null"]},
  {"name": "FK_GEO_CODE_ID", "type": ["int", "null"]},
  {"name": "ADDR_ENTITY_ID", "type": ["int", "null"]},
  {"name": "APARTMENT_NUMBER", "type": ["string", "null"]},
  {"name": "ADDRPHONEH", "type": ["string", "null"]},
  {"name": "WORKPHONEEXT", "type": ["string", "null"]},
  {"name": "ADDRPHONEW", "type": ["string", "null"]},
  {"name": "HOMEPHONEEXT", "type": ["string", "null"]},
  {"name": "ADDRFAX1", "type": ["string", "null"]},
  {"name": "ADDRFAX2", "type": ["string", "null"]},
  {"name": "ADDREMAILADDR", "type": ["string", "null"]},
  {"name": "ADDRSURNAME", "type": ["string", "null"]},
  {"name": "ADDRFIRSTNAME", "type": ["string", "null"]},
  {"name": "ADDRMIDDLENAME", "type": ["string", "null"]},
  {"name": "ADDRTITLE", "type": ["string", "null"]}
]
}
[ggatek2vCS@rgmadbu1903 avromdp_chi]$
```

```
[ggatek2vCS@rgmadbu1903 avromdp_chi]$ more K2VIEW_CUSTOMER_LU.IBS_AGREEMENT_DETAIL.mdp.avsc
{"namespace": "K2VIEW_CUSTOMER_LU",
"type": "record",
"name": "IBS_AGREEMENT_DETAIL",
"fields": [
  {"name": "CUSTOMER_ID", "type": "int", "primary_key": true},
  {"name": "SOURCE_ID", "type": "int", "primary_key": true},
  {"name": "POS", "type": "long", "primary_key": true},
  {"name": "OP_TYPE", "type": ["string", "null"]},
  {"name": "OP_TS", "type": ["string", "null"]},
  {"name": "CONTRACT_START_DATE", "type": ["string", "null"]},
  {"name": "COMM_PRODUCT_ID", "type": ["int", "null"]},
  {"name": "STATUS", "type": ["int", "null"]},
  {"name": "CONTRACT_END_DATE", "type": ["string", "null"]},
  {"name": "ID", "type": ["int", "null"]},
  {"name": "FINANCIAL_ACCOUNT_ID", "type": ["int", "null"]},
  {"name": "AGREEMENT_ID", "type": ["int", "null"]},
  {"name": "FINANCE_OPTION_ID", "type": ["int", "null"]},
  {"name": "CONTRACT_PERIOD", "type": ["int", "null"]},
  {"name": "CHARGE_PERIOD_ID", "type": ["int", "null"]},
  {"name": "CHARGE_PERIOD", "type": ["string", "null"]},
  {"name": "CHARGE_UNTIL_DATE", "type": ["string", "null"]}
]
}
[ggatek2vCS@rgmadbu1903 avromdp_chi]$
```

```
[ggatek2vCS@rgmadbu1903 avromdp_chi]$ more K2VIEW_CUSTOMER_LU.IBS_AGREEMENT.mdp.avsc
{"namespace": "K2VIEW_CUSTOMER_LU",
 "type": "record",
 "name": "IBS_AGREEMENT",
 "fields": [
   {"name": "CUSTOMER_ID", "type": "int", "primary_key": true},
   {"name": "SOURCE_ID", "type": "string", "primary_key": true},
   {"name": "POS", "type": "int", "primary_key": true},
   {"name": "OP_TYPE", "type": ["string", "null"]},
   {"name": "OP_TS", "type": ["string", "null"]},
   {"name": "CONTRACT_NUMBER", "type": ["string", "null"]},
   {"name": "CONTRACT_START_DATE", "type": ["string", "null"]},
   {"name": "MARKET_SEGMENT_ID", "type": ["int", "null"]},
   {"name": "NAME", "type": ["string", "null"]},
   {"name": "STATUS", "type": ["int", "null"]},
   {"name": "CONTRACT_END_DATE", "type": ["string", "null"]},
   {"name": "TYPE", "type": ["int", "null"]},
   {"name": "ID", "type": ["int", "null"]},
   {"name": "CHARGE_PERIOD", "type": ["string", "null"]},
   {"name": "STOCK_HANDLER_ID", "type": ["int", "null"]},
   {"name": "CHARGE_PERIOD_ID", "type": ["int", "null"]}
 ]
}
```

```
[ggatek2vCS@rgmadbu1903 avromdp_chi]$ more K2VIEW_CUSTOMER_LU.IBS_CONTACT.mdp.avsc
{"namespace": "K2VIEW_CUSTOMER_LU",
 "type": "record",
 "name": "IBS_CONTACT",
 "fields": [
   {"name": "CUSTOMER_ID", "type": "int", "primary_key": true},
   {"name": "SOURCE_ID", "type": "string", "primary_key": true},
   {"name": "POS", "type": "int", "primary_key": true},
   {"name": "OP_TYPE", "type": ["string", "null"]},
   {"name": "OP_TS", "type": ["string", "null"]},
   {"name": "PRODUCT_ID", "type": ["int", "null"]},
   {"name": "METHOD", "type": ["string", "null"]},
   {"name": "DEVICE_ID", "type": ["int", "null"]},
   {"name": "ORDER_ID", "type": ["int", "null"]},
   {"name": "CREATED_DATE", "type": ["string", "null"]},
   {"name": "WORK_ORDER_ID", "type": ["int", "null"]},
   {"name": "ACTION_TAKEN", "type": ["string", "null"]},
   {"name": "CATEGORY", "type": ["int", "null"]},
   {"name": "PROBLEM_DESC", "type": ["string", "null"]},
   {"name": "CREATED_BY_USER", "type": ["int", "null"]},
   {"name": "ACTION_DATE", "type": ["string", "null"]},
   {"name": "STATUS", "type": ["string", "null"]},
   {"name": "ALLOCATED_TO_USER", "type": ["int", "null"]},
   {"name": "ID", "type": ["int", "null"]}
 ]
}
```

```
[ggatek2vCS@rgmadbu1903 avromdp_chi]$ more K2VIEW_CUSTOMER_LU.IBS_CREDIT_CARD.mdp.avsc
{"namespace": "K2VIEW_CUSTOMER_LU",
 "type": "record",
 "name": "IBS_CREDIT_CARD",
 "fields": [
   {"name": "FINANCIAL_ACCOUNT_ID", "type": "long", "primary_key": true},
   {"name": "SOURCE_ID", "type": "string", "primary_key": true},
   {"name": "POS", "type": "long", "primary_key": true},
   {"name": "OP_TYPE", "type": ["string", "null"]},
   {"name": "OP_TS", "type": ["string", "null"]},
   {"name": "ID", "type": ["int", "null"]}
 ]
}
```

```

    {"name": "CREDIT_CARD_NUMBER", "type": ["string", "null"]},
    {"name": "CUSTOMER_ID", "type": ["string", "null"]}
  ]
}
[ggatek2vCS@rgmadbu1903 avromdp_chi]$

```

```

[ggatek2vCS@rgmadbu1903 avromdp_chi]$ more K2VIEW_CUSTOMER_LU.IBS_CUSTOMER.mdp.avsc
{"namespace": "K2VIEW_CUSTOMER_LU",
"type": "record",
"name": "IBS_CUSTOMER",
"fields": [
  {"name": "ENTITY_ID", "type": "string", "primary_key": true},
  {"name": "ID", "type": ["int", "null"]},
  {"name": "SOURCE_ID", "type": "string", "primary_key": true},
  {"name": "POS", "type": "int", "primary_key": true},
  {"name": "OP_TYPE", "type": ["string", "null"]},
  {"name": "OP_IS", "type": ["string", "null"]},
  {"name": "TYPE_ID", "type": ["string", "null"]},
  {"name": "STATUS_ID", "type": ["string", "null"]},
  {"name": "CLASS_ID", "type": ["int", "null"]},
  {"name": "SEGMENTATION_ID", "type": ["int", "null"]},
  {"name": "CUSTOMER_SINCE", "type": ["string", "null"]},
  {"name": "EXEMPTION_CODE_ID", "type": ["string", "null"]},
  {"name": "EXEMPTION_SERIAL_NUMBER", "type": ["string", "null"]},
  {"name": "EXEMPTION_FROM", "type": ["string", "null"]},
  {"name": "REFERENCE_TYPE_ID", "type": ["int", "null"]},
  {"name": "INTERNET_PASSWORD_ENC", "type": ["string", "null"]},
  {"name": "INTERNET_PASSWORD_IV", "type": ["string", "null"]},
  {"name": "INTERNET_USER_NAME", "type": ["string", "null"]},
  {"name": "LANGUAGE_ID", "type": ["string", "null"]},
  {"name": "BUSINESS_UNIT_ID", "type": ["int", "null"]},
  {"name": "MAGAZINES", "type": ["string", "null"]},
  {"name": "IDENTIFICATION_ID", "type": ["string", "null"]},
  {"name": "BIRTH_DATE", "type": ["string", "null"]},
  {"name": "FISCAL_NUMBER", "type": ["string", "null"]}
]
}

```

```

[ggatek2vCS@rgmadbu1903 avromdp_chi]$ more K2VIEW_CUSTOMER_LU.IBS_CUSTOM_FIELD_VALUE.mdp.avsc
{"namespace": "K2VIEW_CUSTOMER_LU",
"type": "record",
"name": "IBS_CUSTOM_FIELD_VALUE",
"fields": [
  {"name": "SOURCE_ID", "type": "string", "primary_key": true},
  {"name": "INSTANCE_ID", "type": "int", "primary_key": true},
  {"name": "POS", "type": "int", "primary_key": true},
  {"name": "OP_TYPE", "type": ["string", "null"]},
  {"name": "OP_IS", "type": ["string", "null"]},
  {"name": "CUSTOM_FIELD_ENTITY_ID", "type": ["int", "null"]},
  {"name": "VALUE", "type": ["string", "null"]},
  {"name": "ID", "type": ["int", "null"]},
  {"name": "ENTITY_METADATA_ID", "type": ["float", "null"]}
]
}

```

```

[ggatek2vCS@rgmadbu1903 avromdp_chi]$ more K2VIEW_CUSTOMER_LU.IBS_DEVICE_AGREEMENT_DETAIL.mdp.avsc
{"namespace": "K2VIEW_CUSTOMER_LU",
"type": "record",
"name": "IBS_DEVICE_AGREEMENT_DETAIL",
"fields": [
  {"name": "CUSTOMER_ID", "type": "int", "primary_key": true},
  {"name": "SOURCE_ID", "type": "string", "primary_key": true},
  {"name": "POS", "type": "int", "primary_key": true},
  {"name": "OP_TYPE", "type": ["string", "null"]},
  {"name": "OP_IS", "type": ["string", "null"]}
]
}

```

```
{
  "name": "ID", "type": ["int", "null"]},
  {"name": "AGREEMENT_DETAIL_ID", "type": ["int", "null"]},
  {"name": "DEVICE_ID", "type": ["int", "null"]},
  {"name": "DEVICE_LINK_DATE", "type": ["string", "null"]},
  {"name": "SERIAL_NUMBER", "type": ["string", "null"]},
  {"name": "MODEL_ID", "type": ["int", "null"]},
  {"name": "CA_REFERENCE_NUMBER", "type": ["int", "null"]},
  {"name": "MAC_ADDRESS1", "type": ["string", "null"]}
}
[ggatek2vCS@rgmadbu1903 avromdp_chi]$
```

```
[ggatek2vCS@rgmadbu1903 avromdp_chi]$ more K2VIEW_CUSTOMER_LU.IBS_FINANCIAL_ACCOUNT.mdp.avsc
{"namespace": "K2VIEW_CUSTOMER_LU",
"type": "record",
"name": "IBS_FINANCIAL_ACCOUNT",
"fields": [
  {"name": "CUSTOMER_ID", "type": "int", "primary_key": true},
  {"name": "SOURCE_ID", "type": "string", "primary_key": true},
  {"name": "POS", "type": "int", "primary_key": true},
  {"name": "OP_TYPE", "type": ["string", "null"]},
  {"name": "OP_TS", "type": ["string", "null"]},
  {"name": "NAME", "type": ["string", "null"]},
  {"name": "STATUS_ID", "type": ["string", "null"]},
  {"name": "TYPE_ID", "type": ["string", "null"]},
  {"name": "BALANCE", "type": ["float", "null"]},
  {"name": "INVOICE_DELIVERY_METHOD_ID", "type": ["int", "null"]},
  {"name": "CURRENCY_ID", "type": ["int", "null"]},
  {"name": "DUNNING_LEVEL_ID", "type": ["int", "null"]},
  {"name": "INVOICING_PROFILE_ID", "type": ["int", "null"]},
  {"name": "LAST_INVOICED_AMOUNT", "type": ["float", "null"]},
  {"name": "LAST_INVOICED_DATE", "type": ["string", "null"]},
  {"name": "PARENT_FINANCIAL_ACCOUNT_ID", "type": ["int", "null"]},
  {"name": "PREPAID_DISCONNECT_DATE", "type": ["string", "null"]},
  {"name": "MOP_ID", "type": ["string", "null"]},
  {"name": "IS_DEFAULT", "type": ["int", "null"]},
  {"name": "PROXY_CODE_ID", "type": ["string", "null"]},
  {"name": "NOT_YET_APPLIED", "type": ["float", "null"]},
  {"name": "NOT_YET_INVOICED_PLUS", "type": ["float", "null"]},
  {"name": "NOT_YET_INVOICED_MINUS", "type": ["float", "null"]},
  {"name": "HAS_BEEN_APPLIED", "type": ["float", "null"]},
  {"name": "ID", "type": ["int", "null"]}
]
}
[ggatek2vCS@rgmadbu1903 avromdp_chi]$
```

```
[ggatek2vCS@rgmadbu1903 avromdp_chi]$ more K2VIEW_CUSTOMER_LU.IBS_INVOICE.mdp.avsc
{"namespace": "K2VIEW_CUSTOMER_LU",
"type": "record",
"name": "IBS_INVOICE",
"fields": [
  {"name": "CUSTOMER_ID", "type": "int", "primary_key": true},
  {"name": "SOURCE_ID", "type": "int", "primary_key": true},
  {"name": "POS", "type": "int", "primary_key": true},
  {"name": "OP_TYPE", "type": ["string", "null"]},
  {"name": "OP_TS", "type": ["string", "null"]},
  {"name": "FINANCIAL_ACCOUNT_ID", "type": ["int", "null"]},
  {"name": "AMOUNT_PAID", "type": ["float", "null"]},
  {"name": "CREATE_DATE", "type": ["string", "null"]},
  {"name": "DUE_DATE", "type": ["string", "null"]},
  {"name": "INVOICE_DATE", "type": ["string", "null"]},
  {"name": "INVOICE_NUMBER", "type": ["int", "null"]},
  {"name": "STATUS_ID", "type": ["string", "null"]},
  {"name": "INVOICE_TEXT", "type": ["string", "null"]},
  {"name": "MOP_ID", "type": ["string", "null"]}
]
}
```

```

    {"name": "TOTAL_AMOUNT", "type": ["float", "null"]},
    {"name": "ID", "type": ["int", "null"]},
    {"name": "BALANCE", "type": ["float", "null"]},
    {"name": "IS_PENDING", "type": ["int", "null"]},
    {"name": "DIAS", "type": ["int", "null"]},
    {"name": "BALANCE_BROUGHT_FORWARD", "type": ["float", "null"]}
  ]
}
[ggatek2vCS@rgmadbu1903 avromdp_chi]$

```

```

[ggatek2vCS@rgmadbu1903 avromdp_chi]$ more K2VIEW_CUSTOMER_LU.IBS_KEYWORD.mdp.avsc
{"namespace": "K2VIEW_CUSTOMER_LU",
 "type": "record",
 "name": "IBS_KEYWORD",
 "fields": [
   {"name": "CUSTOMER_ID", "type": "int", "primary_key": true},
   {"name": "SOURCE_ID", "type": "string", "primary_key": true},
   {"name": "POS", "type": "int", "primary_key": true},
   {"name": "OP_TYPE", "type": ["string", "null"]},
   {"name": "OP_IS", "type": ["string", "null"]},
   {"name": "ID", "type": ["int", "null"]},
   {"name": "ATTRIBUTE", "type": ["string", "null"]},
   {"name": "COUNT_VALUE", "type": ["int", "null"]},
   {"name": "ALLOWED_KEYWORD_ID", "type": ["int", "null"]},
   {"name": "KEYTYPES_ID", "type": ["int", "null"]},
   {"name": "DATE_VALUE", "type": ["string", "null"]}
 ]
}
[ggatek2vCS@rgmadbu1903 avromdp_chi]$

```

```

[ggatek2vCS@rgmadbu1903 avromdp_chi]$ more K2VIEW_CUSTOMER_LU.IBS_OFFER.mdp.avsc
{"namespace": "K2VIEW_CUSTOMER_LU",
 "type": "record",
 "name": "IBS_OFFER",
 "fields": [
   {"name": "CUSTOMER_ID", "type": "int", "primary_key": true},
   {"name": "SOURCE_ID", "type": "string", "primary_key": true},
   {"name": "POS", "type": "int", "primary_key": true},
   {"name": "OP_TYPE", "type": ["string", "null"]},
   {"name": "OP_IS", "type": ["string", "null"]},
   {"name": "START_DATE", "type": ["string", "null"]},
   {"name": "END_DATE", "type": ["string", "null"]},
   {"name": "ACTIVE", "type": ["int", "null"]},
   {"name": "OFFER_DEFINITION_ID", "type": ["int", "null"]},
   {"name": "ID", "type": ["int", "null"]},
   {"name": "FINANCIAL_ACCOUNT_ID", "type": ["int", "null"]},
   {"name": "AGREEMENT_ID", "type": ["int", "null"]},
   {"name": "AGREEMENT_DETAIL_ID", "type": ["int", "null"]},
   {"name": "IS_ACTIVE", "type": ["string", "null"]}
 ]
}

```

```

[ggatek2vCS@rgmadbu1903 avromdp_chi]$ more K2VIEW_CUSTOMER_LU.IBS_ORDERED_EVENT.mdp.avsc
{"namespace": "K2VIEW_CUSTOMER_LU",
 "type": "record",
 "name": "IBS_ORDERED_EVENT",
 "fields": [
   {"name": "CUSTOMER_ID", "type": "int", "primary_key": true},
   {"name": "SOURCE_ID", "type": "string", "primary_key": true},
   {"name": "POS", "type": "int", "primary_key": true},
   {"name": "OP_TYPE", "type": ["string", "null"]},
   {"name": "OP_IS", "type": ["string", "null"]},
   {"name": "ORDERED_DATE", "type": ["string", "null"]},
   {"name": "EVENT_TITLE_ID", "type": ["int", "null"]}
 ]
}

```

```
{
  "name": "ID", "type": ["int", "null"]},
  {"name": "DEVICE_ID", "type": ["int", "null"]},
  {"name": "EVENT_SCHEDULE_ID", "type": ["int", "null"]},
  {"name": "SALES_CHANNEL_ID", "type": ["int", "null"]},
  {"name": "DEVICE_AGREEMENT_DETAIL_ID", "type": ["int", "null"]},
  {"name": "FINANCIAL_ACCOUNT_ID", "type": ["int", "null"]},
  {"name": "EVENT_START_DATETIME", "type": ["string", "null"]},
  {"name": "SLOT_NUMBER", "type": ["string", "null"]},
  {"name": "STATUS", "type": ["int", "null"]},
  {"name": "CHANNEL_ID", "type": ["int", "null"]},
  {"name": "ON_DEMAND", "type": ["int", "null"]}
}
[ggatek2vCS@rgmadbu1903 avromdp_chi]$
```

```
[ggatek2vCS@rgmadbu1903 avromdp_chi]$ more K2VIEW_CUSTOMER_LU.IBS_SUHISTOR.mdp.avsc
{"namespace": "K2VIEW_CUSTOMER_LU",
 "type": "record",
 "name": "IBS_SUHISTOR",
 "fields": [
  {"name": "SHSUBSCRIBERNR", "type": "int", "primary_key": true},
  {"name": "SOURCE_ID", "type": "string", "primary_key": true},
  {"name": "POS", "type": "int", "primary_key": true},
  {"name": "OP_TYPE", "type": ["string", "null"]},
  {"name": "OP_TS", "type": ["string", "null"]},
  {"name": "ENTITY_KEY", "type": ["int", "null"]},
  {"name": "SHEVENTNR", "type": ["int", "null"]},
  {"name": "ENTITY_ID", "type": ["int", "null"]},
  {"name": "SHUSERNR", "type": ["long", "null"]},
  {"name": "CREATE_DATETIME", "type": ["string", "null"]},
  {"name": "EXTERNAL_AGENT_ID", "type": ["int", "null"]},
  {"name": "SHSHNR", "type": ["long", "null"]},
  {"name": "SHREASON", "type": ["int", "null"]},
  {"name": "SHPRODUCTNR", "type": ["int", "null"]},
  {"name": "REAL_DATE", "type": ["string", "null"]},
  {"name": "REQUESTED_BY_TYPE_ID", "type": ["int", "null"]},
  {"name": "REQUESTED_BY_ENTITY_ID", "type": ["int", "null"]},
  {"name": "TRANSACTION_ID", "type": ["int", "null"]}
]
}
[ggatek2vCS@rgmadbu1903 avromdp_chi]$
```

```
[ggatek2vCS@rgmadbu1903 avromdp_chi]$ more K2VIEW_CUSTOMER_LU.IBS_WORK_ORDER.mdp.avsc
{"namespace": "K2VIEW_CUSTOMER_LU",
 "type": "record",
 "name": "IBS_WORK_ORDER",
 "fields": [
  {"name": "CUSTOMER_ID", "type": "int", "primary_key": true},
  {"name": "SOURCE_ID", "type": "string", "primary_key": true},
  {"name": "POS", "type": "int", "primary_key": true},
  {"name": "OP_TYPE", "type": ["string", "null"]},
  {"name": "OP_TS", "type": ["string", "null"]},
  {"name": "ACTION_TAKEN", "type": ["string", "null"]},
  {"name": "PROBLEM_DESCRIPTION", "type": ["string", "null"]},
  {"name": "SERVICE_DATE_TIME", "type": ["string", "null"]},
  {"name": "COMPLETED_DATE_TIME", "type": ["string", "null"]},
  {"name": "ADDRESS_ID", "type": ["int", "null"]},
  {"name": "WORK_ORDER_STATUS_ID", "type": ["int", "null"]},
  {"name": "AGREEMENT_ID", "type": ["int", "null"]},
  {"name": "SERVICE_TYPE_ID", "type": ["int", "null"]},
  {"name": "EXPIRATION_DATE", "type": ["string", "null"]},
  {"name": "SERVICE_PROVIDER_ID", "type": ["int", "null"]},
  {"name": "CUSTOMER_ORDER_ID", "type": ["int", "null"]},
  {"name": "STOCKHANDLER_ID", "type": ["int", "null"]},
  {"name": "ACTUAL_HOURS", "type": ["float", "null"]}
]
}
```



```
{
  "name": "ID", "type": ["int", "null"]},
  "name": "REGISTERED_DATE_TIME", "type": ["string", "null"]}
}
[ggatek2vCS@rgmadbu1903 avromdp_chi]$
```

```
[ggatek2vCS@rgmadbu1903 avromdp_chi]$ more K2VIEW_CUSTOMER_LU.IBS_WORK_ORDER_SERVICE.mdp.avsc
{"namespace": "K2VIEW_CUSTOMER_LU",
 "type": "record",
 "name": "IBS_WORK_ORDER_SERVICE",
 "fields": [
   {"name": "CUSTOMER_ID", "type": "string", "primary_key": true},
   {"name": "SOURCE_ID", "type": "string", "primary_key": true},
   {"name": "POS", "type": "int", "primary_key": true},
   {"name": "OP_TYPE", "type": ["string", "null"]},
   {"name": "OP_TS", "type": ["string", "null"]},
   {"name": "ID", "type": ["int", "null"]},
   {"name": "SERVICE_ID", "type": ["int", "null"]},
   {"name": "DEVICE_ID", "type": ["int", "null"]},
   {"name": "PRODUCT_ID", "type": ["int", "null"]},
   {"name": "HARDWARE_MODEL_ID", "type": ["int", "null"]},
   {"name": "ACTION_TAKEN", "type": ["string", "null"]},
   {"name": "PROBLEM_DESCRIPTION", "type": ["string", "null"]},
   {"name": "QUANTITY", "type": ["int", "null"]},
   {"name": "SERIAL_NUMBER", "type": ["string", "null"]},
   {"name": "WORK_ORDER_ID", "type": ["int", "null"]}
 ]
}
[ggatek2vCS@rgmadbu1903 avromdp_chi]$
```

```
[ggatek2vCS@rgmadbu1903 avromdp_chi]$ more K2VIEW_CUSTOMER_LU.SYNC_ON_FLY.mdp.avsc
{"namespace": "K2VIEW_CUSTOMER_LU",
 "type": "record",
 "name": "SYNC_ON_FLY",
 "fields": [
   {"name": "SOURCE_ID", "type": "string", "primary_key": true},
   {"name": "ENTITY_ID", "type": "string", "primary_key": true},
   {"name": "FORCE_SYNC", "type": ["string", "null"]},
   {"name": "TABLE_NAME", "type": ["string", "null"]},
   {"name": "OP_TS", "type": ["string", "null"]}
 ]
}
[ggatek2vCS@rgmadbu1903 avromdp_chi]$
```

Extrac - URUGUAY

```
[ggatek2vCS@rgmadbu1903 dirprm]$ more xcuru.prm
EXTRACT xcuru
UserIDAlias ggsources
RMTHOST rgmadbu1904, MGRPORT 7808
FUNCTIONSTACKSIZE 5000
RMTHOST /u01/app/ggate_K2V_CS/OGGForBD/dirdat/xu MEGABYTES 100, PURGE
UPDATERECORDFORMAT FULL

Table BUSINESSDATA_URUGUAY.ADDRESS &
FILTER &
(ON UPDATE, &
```



```

@STRCMP(@IF(@COLTEST(@BEFORE(addrcustnr),NULL),0,@BEFORE(addrcustnr)),@IF(@COLTEST(@AFTER(addrcustnr),NULL),0,@AFTER(addrcustnr))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addrnr),NULL),0,@BEFORE(addrnr)),@IF(@COLTEST(@AFTER(addrnr),NULL),0,@AFTER(addrnr))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addr_entity_id),NULL),0,@BEFORE(addr_entity_id)),@IF(@COLTEST(@AFTER(addr_entity_id),NULL),0,@AFTER(addr_entity_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addrbigcity),NULL),0,@BEFORE(addrbigcity)),@IF(@COLTEST(@AFTER(addrbigcity),NULL),0,@AFTER(addrbigcity))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addrcareofname),NULL),0,@BEFORE(addrcareofname)),@IF(@COLTEST(@AFTER(addrcareofname),NULL),0,@AFTER(addrcareofname))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(D__ADDRCOUNTRY),NULL),0,@BEFORE(D__ADDRCOUNTRY)),@IF(@COLTEST(@AFTER(D__ADDRCOUNTRY),NULL),0,@AFTER(D__ADDRCOUNTRY))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addrdirections),NULL),0,@BEFORE(addrdirections)),@IF(@COLTEST(@AFTER(addrdirections),NULL),0,@AFTER(addrdirections))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addrmailaddr),NULL),0,@BEFORE(addrmailaddr)),@IF(@COLTEST(@AFTER(addrmailaddr),NULL),0,@AFTER(addrmailaddr))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addrventnr),NULL),0,@BEFORE(addrventnr)),@IF(@COLTEST(@AFTER(addrventnr),NULL),0,@AFTER(addrventnr))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addrextra),NULL),0,@BEFORE(addrextra)),@IF(@COLTEST(@AFTER(addrextra),NULL),0,@AFTER(addrextra))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addrfax1),NULL),0,@BEFORE(addrfax1)),@IF(@COLTEST(@AFTER(addrfax1),NULL),0,@AFTER(addrfax1))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addrfax2),NULL),0,@BEFORE(addrfax2)),@IF(@COLTEST(@AFTER(addrfax2),NULL),0,@AFTER(addrfax2))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addrfirstname),NULL),0,@BEFORE(addrfirstname)),@IF(@COLTEST(@AFTER(addrfirstname),NULL),0,@AFTER(addrfirstname))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addrhousealphanr),NULL),0,@BEFORE(addrhousealphanr)),@IF(@COLTEST(@AFTER(addrhousealphanr),NULL),0,@AFTER(addrhousealphanr))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addrhousenrnumeric),NULL),0,@BEFORE(addrhousenrnumeric)),@IF(@COLTEST(@AFTER(addrhousenrnumeric),NULL),0,@AFTER(addrhousenrnumeric))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addrmiddlename),NULL),0,@BEFORE(addrmiddlename)),@IF(@COLTEST(@AFTER(addrmiddlename),NULL),0,@AFTER(addrmiddlename))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addrphoneh),NULL),0,@BEFORE(addrphoneh)),@IF(@COLTEST(@AFTER(addrphoneh),NULL),0,@AFTER(addrphoneh))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addrphonew),NULL),0,@BEFORE(addrphonew)),@IF(@COLTEST(@AFTER(addrphonew),NULL),0,@AFTER(addrphonew))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addrpostcode),NULL),0,@BEFORE(addrpostcode)),@IF(@COLTEST(@AFTER(addrpostcode),NULL),0,@AFTER(addrpostcode))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addrprovincenumber),NULL),0,@BEFORE(addrprovincenumber)),@IF(@COLTEST(@AFTER(addrprovincenumber),NULL),0,@AFTER(addrprovincenumber))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addrsmallcity),NULL),0,@BEFORE(addrsmallcity)),@IF(@COLTEST(@AFTER(addrsmallcity),NULL),0,@AFTER(addrsmallcity))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addrstreet),NULL),0,@BEFORE(addrstreet)),@IF(@COLTEST(@AFTER(addrstreet),NULL),0,@AFTER(addrstreet))) OR &

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@STRCMP(@IF(@COLTEST(@BEFORE(addrstreetaddressn),NULL),0,@BEFORE(addrstreetaddressn)),@IF(@COLTEST(@
AFTER(addrstreetaddressn),NULL),0,@AFTER(addrstreetaddressn))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(addrsurname),NULL),0,@BEFORE(addrsurname)),@IF(@COLTEST(@AFTER(addrsur
name),NULL),0,@AFTER(addrsurname))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(D__ADDRTITLE),NULL),0,@BEFORE(D__ADDRTITLE)),@IF(@COLTEST(@AFTER(D__ADD
RTITLE),NULL),0,@AFTER(D__ADDRTITLE))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(apartment_number),NULL),0,@BEFORE(apartment_number)),@IF(@COLTEST(@AFTE
R(apartment_number),NULL),0,@AFTER(apartment_number))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(fk_geo_code_id),NULL),0,@BEFORE(fk_geo_code_id)),@IF(@COLTEST(@AFTER(fk
_geo_code_id),NULL),0,@AFTER(fk_geo_code_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(homephoneext),NULL),0,@BEFORE(homephoneext)),@IF(@COLTEST(@AFTER(homeph
oneext),NULL),0,@AFTER(homephoneext))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(marketsegment_id),NULL),0,@BEFORE(marketsegment_id)),@IF(@COLTEST(@AFTE
R(marketsegment_id),NULL),0,@AFTER(marketsegment_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(workphoneext),NULL),0,@BEFORE(workphoneext)),@IF(@COLTEST(@AFTER(workph
oneext),NULL),0,@AFTER(workphoneext))) &
);

Table BUSINESSDATA_URUGUAY.AGREEMENT_DETAIL &
FILTER &
(ON UPDATE, &

@STRCMP(@IF(@COLTEST(@BEFORE(customer_id),NULL),0,@BEFORE(customer_id)),@IF(@COLTEST(@AFTER(customer
_id),NULL),0,@AFTER(customer_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(id),NULL),0,@BEFORE(id)),@IF(@COLTEST(@AFTER(id),NULL),0,@AFTER(id)))
OR &

@STRCMP(@IF(@COLTEST(@BEFORE(agreement_id),NULL),0,@BEFORE(agreement_id)),@IF(@COLTEST(@AFTER(agreem
ent_id),NULL),0,@AFTER(agreement_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(charge_until_date),NULL),0,@BEFORE(charge_until_date)),@IF(@COLTEST(@AF
TER(charge_until_date),NULL),0,@AFTER(charge_until_date))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(comm_product_id),NULL),0,@BEFORE(comm_product_id)),@IF(@COLTEST(@AFTER(
comm_product_id),NULL),0,@AFTER(comm_product_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(contract_end_date),NULL),0,@BEFORE(contract_end_date)),@IF(@COLTEST(@AF
TER(contract_end_date),NULL),0,@AFTER(contract_end_date))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(contract_period),NULL),0,@BEFORE(contract_period)),@IF(@COLTEST(@AFTER(
contract_period),NULL),0,@AFTER(contract_period))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(contract_start_date),NULL),0,@BEFORE(contract_start_date)),@IF(@COLTEST
(@AFTER(contract_start_date),NULL),0,@AFTER(contract_start_date))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(finance_option_id),NULL),0,@BEFORE(finance_option_id)),@IF(@COLTEST(@AF
TER(finance_option_id),NULL),0,@AFTER(finance_option_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(financial_account_id),NULL),0,@BEFORE(financial_account_id)),@IF(@COLTE
ST(@AFTER(financial_account_id),NULL),0,@AFTER(financial_account_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(status),NULL),0,@BEFORE(status)),@IF(@COLTEST(@AFTER(status),NULL),0,@A
FTER(status))) &
);

Table BUSINESSDATA_URUGUAY.AGREEMENT &
FILTER &

```

```

(ON UPDATE, &

@STRCMP(@IF(@COLTEST(@BEFORE(customer_id),NULL),0,@BEFORE(customer_id)),@IF(@COLTEST(@AFTER(customer_id),NULL),0,@AFTER(customer_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(id),NULL),0,@BEFORE(id)),@IF(@COLTEST(@AFTER(id),NULL),0,@AFTER(id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(charge_period_id),NULL),0,@BEFORE(charge_period_id)),@IF(@COLTEST(@AFTER(charge_period_id),NULL),0,@AFTER(charge_period_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(contract_end_date),NULL),0,@BEFORE(contract_end_date)),@IF(@COLTEST(@AFTER(contract_end_date),NULL),0,@AFTER(contract_end_date))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(contract_number),NULL),0,@BEFORE(contract_number)),@IF(@COLTEST(@AFTER(contract_number),NULL),0,@AFTER(contract_number))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(contract_start_date),NULL),0,@BEFORE(contract_start_date)),@IF(@COLTEST(@AFTER(contract_start_date),NULL),0,@AFTER(contract_start_date))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(market_segment_id),NULL),0,@BEFORE(market_segment_id)),@IF(@COLTEST(@AFTER(market_segment_id),NULL),0,@AFTER(market_segment_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(name),NULL),0,@BEFORE(name)),@IF(@COLTEST(@AFTER(name),NULL),0,@AFTER(name))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(status),NULL),0,@BEFORE(status)),@IF(@COLTEST(@AFTER(status),NULL),0,@AFTER(status))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(stock_handler_id),NULL),0,@BEFORE(stock_handler_id)),@IF(@COLTEST(@AFTER(stock_handler_id),NULL),0,@AFTER(stock_handler_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(type),NULL),0,@BEFORE(type)),@IF(@COLTEST(@AFTER(type),NULL),0,@AFTER(type))) &
);

Table BUSINESSDATA_URUGUAY.CONTACT &
FILTER &
(ON UPDATE, &

@STRCMP(@IF(@COLTEST(@BEFORE(customer_id),NULL),0,@BEFORE(customer_id)),@IF(@COLTEST(@AFTER(customer_id),NULL),0,@AFTER(customer_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(id),NULL),0,@BEFORE(id)),@IF(@COLTEST(@AFTER(id),NULL),0,@AFTER(id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(action_date),NULL),0,@BEFORE(action_date)),@IF(@COLTEST(@AFTER(action_date),NULL),0,@AFTER(action_date))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(action_taken),NULL),0,@BEFORE(action_taken)),@IF(@COLTEST(@AFTER(action_taken),NULL),0,@AFTER(action_taken))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(allocated_to_user),NULL),0,@BEFORE(allocated_to_user)),@IF(@COLTEST(@AFTER(allocated_to_user),NULL),0,@AFTER(allocated_to_user))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(category),NULL),0,@BEFORE(category)),@IF(@COLTEST(@AFTER(category),NULL),0,@AFTER(category))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(created_by_user),NULL),0,@BEFORE(created_by_user)),@IF(@COLTEST(@AFTER(created_by_user),NULL),0,@AFTER(created_by_user))) OR &
    @STRCMP(@IF(@COLTEST(@BEFORE(created_date ),NULL),0,@BEFORE(created_date )),@IF(@COLTEST(@AFTER(created_date ),NULL),0,@AFTER(created_date ))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(device_id),NULL),0,@BEFORE(device_id)),@IF(@COLTEST(@AFTER(device_id),NULL),0,@AFTER(device_id))) OR &

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@STRCMP(@IF(@COLTEST(@BEFORE(method),NULL),0,@BEFORE(method)),@IF(@COLTEST(@AFTER(method),NULL),0,@A
FTER(method))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(order_id),NULL),0,@BEFORE(order_id)),@IF(@COLTEST(@AFTER(order_id),NULL
),0,@AFTER(order_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(problem_desc),NULL),0,@BEFORE(problem_desc)),@IF(@COLTEST(@AFTER(proble
m_desc),NULL),0,@AFTER(problem_desc))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(product_id),NULL),0,@BEFORE(product_id)),@IF(@COLTEST(@AFTER(product_id
),NULL),0,@AFTER(product_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(status),NULL),0,@BEFORE(status)),@IF(@COLTEST(@AFTER(status),NULL),0,@A
FTER(status))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(work_order_id),NULL),0,@BEFORE(work_order_id)),@IF(@COLTEST(@AFTER(work
_order_id),NULL),0,@AFTER(work_order_id))) &
);

Table BUSINESSDATA_URUGUAY.CREDIT_CARD,
  SQLEXEC (ID exec_cred_num,
    QUERY "SELECT
SUBSTR(BUSINESSDATA_URUGUAY.PKG_ENC.DECRYPT_TEXT(CREDIT_CARD.CREDIT_CARD_NUMBER_ENC, &
CREDIT_CARD.CREDIT_CARD_NUMBER_IV),1,4)||' XXXX '||' XXXX '|| &
SUBSTR
(BUSINESSDATA_URUGUAY.PKG_ENC.DECRYPT_TEXT(CREDIT_CARD.CREDIT_CARD_NUMBER_ENC,
CREDIT_CARD.CREDIT_CARD_NUMBER_IV),-4,4) vcrcnum
FROM BUSINESSDATA_URUGUAY.CREDIT_CARD WHERE ID = :param_cred_id",
    PARAMS (param_cred_id = ID)),
  SQLEXEC (ID exec_cred_ci,
    QUERY "SELECT CUSTOMER_ID vcrcdcus FROM BUSINESSDATA_URUGUAY.FINANCIAL_ACCOUNT &
WHERE ID = :param_cred_id2",
    PARAMS (param_cred_id2 = FINANCIAL_ACCOUNT_ID )),
  TOKENS (TK_CC_NUMBER = @GETVAL(exec_cred_num.vcrcnum),
    TK_CC_CUSTOMER = @GETVAL(exec_cred_ci.vcrcdcus)
) &
FILTER &
(ON UPDATE, &

@STRCMP(@IF(@COLTEST(@BEFORE(FINANCIAL_ACCOUNT_ID),NULL),0,@BEFORE(FINANCIAL_ACCOUNT_ID)),@IF(@COLTE
ST(@AFTER(FINANCIAL_ACCOUNT_ID),NULL),0,@AFTER(FINANCIAL_ACCOUNT_ID))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(CREDIT_CARD_NUMBER_ENC),NULL),0,@BEFORE(CREDIT_CARD_NUMBER_ENC)),@IF(@C
OLTEST(@AFTER(CREDIT_CARD_NUMBER_ENC),NULL),0,@AFTER(CREDIT_CARD_NUMBER_ENC)))
OR &

@STRCMP(@IF(@COLTEST(@BEFORE(CREDIT_CARD_NUMBER_IV),NULL),0,@BEFORE(CREDIT_CARD_NUMBER_IV)),@IF(@COL
TEST(@AFTER(CREDIT_CARD_NUMBER_IV),NULL),0,@AFTER(CREDIT_CARD_NUMBER_IV))) OR
&

@STRCMP(@IF(@COLTEST(@BEFORE(IS_PRIMARY),NULL),0,@BEFORE(IS_PRIMARY)),@IF(@COLTEST(@AFTER(IS_PRIMARY
),NULL),0,@AFTER(IS_PRIMARY))) ) &
;

Table BUSINESSDATA_URUGUAY.CUSTOM_FIELD_VALUE,
  SQLEXEC (ID exec_cusfv_em,
    QUERY "SELECT ENTITY_METADATA_ID vcusfvem , ENTITY_METADATA_ID vcusfvem1 FROM
BUSINESSDATA_URUGUAY.CUSTOM_FIELD_ENTITY c
WHERE c.ID = :param_vcusfvem",
    PARAMS (param_vcusfvem = CUSTOM_FIELD_ENTITY_ID )),
  TOKENS (
    TK_DATE_CUSFEM = @GETVAL(exec_cusfv_em.vcusfvem)
) &
FILTER &
(ON UPDATE, &

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@STRCMP(@IF(@COLTEST(@BEFORE(instance_id),NULL),0,@BEFORE(instance_id)),@IF(@COLTEST(@AFTER(instance_id),NULL),0,@AFTER(instance_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(id),NULL),0,@BEFORE(id)),@IF(@COLTEST(@AFTER(id),NULL),0,@AFTER(id)))
OR &

@STRCMP(@IF(@COLTEST(@BEFORE(custom_field_entity_id),NULL),0,@BEFORE(custom_field_entity_id)),@IF(@COLTEST(@AFTER(custom_field_entity_id),NULL),0,@AFTER(custom_field_entity_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(value),NULL),0,@BEFORE(value)),@IF(@COLTEST(@AFTER(value),NULL),0,@AFTER(value))) &
);

Table BUSINESSDATA_URUGUAY.CUSTOMER,
  SQLEXEC (ID exec_cust_id,
    QUERY "SELECT BUSINESSDATA_URUGUAY.PKG_ENC.DECRYPT_text(customer.REFERENCE_NUMBER_ENC,
customer.REFERENCE_NUMBER_IV) vcusid ,
          TO_CHAR(BUSINESSDATA_URUGUAY.PKG_ENC.DECRYPT_DATE(customer.BIRTH_DATE_ENC,
customer.BIRTH_DATE_IV ),'YYYY-MM-DD') vcusbirt ,
          BUSINESSDATA_URUGUAY.PKG_ENC.DECRYPT_TEXT(customer.INTERNET_PASSWORD_ENC,
customer.INTERNET_PASSWORD_IV) vcuspasse
FROM BUSINESSDATA_URUGUAY.CUSTOMER WHERE ID = :param_cus_id",
    PARAMS (param_cus_id = ID)),
  TOKENS (
    TK_IDENTIFICATION_ID = @GETVAL(exec_cust_id.vcusid),
    TK_BIRTH_DATE = @GETVAL(exec_cust_id.vcusbirt),
    TK_INTERNET_PASSWORD_ENC = @GETVAL(exec_cust_id.vcuspasse)
  ) &
  FILTER &
  (ON UPDATE, &

@STRCMP(@IF(@COLTEST(@BEFORE(business_unit_id),NULL),0,@BEFORE(business_unit_id)),@IF(@COLTEST(@AFTER(business_unit_id),NULL),0,@AFTER(business_unit_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(class_id),NULL),0,@BEFORE(class_id)),@IF(@COLTEST(@AFTER(class_id),NULL),0,@AFTER(class_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(customer_since),NULL),0,@BEFORE(customer_since)),@IF(@COLTEST(@AFTER(customer_since),NULL),0,@AFTER(customer_since))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(exemption_code_id),NULL),0,@BEFORE(exemption_code_id)),@IF(@COLTEST(@AFTER(exemption_code_id),NULL),0,@AFTER(exemption_code_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(exemption_from),NULL),0,@BEFORE(exemption_from)),@IF(@COLTEST(@AFTER(exemption_from),NULL),0,@AFTER(exemption_from))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(exemption_serial_number),NULL),0,@BEFORE(exemption_serial_number)),@IF(@COLTEST(@AFTER(exemption_serial_number),NULL),0,@AFTER(exemption_serial_number)))
OR &

@STRCMP(@IF(@COLTEST(@BEFORE(fiscal_number),NULL),0,@BEFORE(fiscal_number)),@IF(@COLTEST(@AFTER(fiscal_number),NULL),0,@AFTER(fiscal_number))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(id),NULL),0,@BEFORE(id)),@IF(@COLTEST(@AFTER(id),NULL),0,@AFTER(id)))
OR &

@STRCMP(@IF(@COLTEST(@BEFORE(internet_password_enc),NULL),0,@BEFORE(internet_password_enc)),@IF(@COLTEST(@AFTER(internet_password_enc),NULL),0,@AFTER(internet_password_enc))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(internet_password_iv),NULL),0,@BEFORE(internet_password_iv)),@IF(@COLTEST(@AFTER(internet_password_iv),NULL),0,@AFTER(internet_password_iv))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(internet_user_name),NULL),0,@BEFORE(internet_user_name)),@IF(@COLTEST(@AFTER(internet_user_name),NULL),0,@AFTER(internet_user_name))) OR &

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@STRCMP(@IF(@COLTEST(@BEFORE(language_id),NULL),0,@BEFORE(language_id)),@IF(@COLTEST(@AFTER(language_id),NULL),0,@AFTER(language_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(magazines),NULL),0,@BEFORE(magazines)),@IF(@COLTEST(@AFTER(magazines),NULL),0,@AFTER(magazines))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(reference_type_id),NULL),0,@BEFORE(reference_type_id)),@IF(@COLTEST(@AFTER(reference_type_id),NULL),0,@AFTER(reference_type_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(segmentation_id),NULL),0,@BEFORE(segmentation_id)),@IF(@COLTEST(@AFTER(segmentation_id),NULL),0,@AFTER(segmentation_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(status_id),NULL),0,@BEFORE(status_id)),@IF(@COLTEST(@AFTER(status_id),NULL),0,@AFTER(status_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(type_id),NULL),0,@BEFORE(type_id)),@IF(@COLTEST(@AFTER(type_id),NULL),0,@AFTER(type_id))) &
);

Table BUSINESSDATA_URUGUAY.DEVICE_AGREEMENT_DETAIL,
  SQLEXEC (ID exec_agr_id,
    QUERY "SELECT CUSTOMER_ID vdevagrci
            FROM BUSINESSDATA_URUGUAY.AGREEMENT_DETAIL
            WHERE ID =:param_devagrid",
    PARAMS (param_devagrid = AGREEMENT_DETAIL_ID)),
  SQLEXEC (ID exec_dev_id,
    QUERY "SELECT D.SERIAL_NUMBER vdevagrsn,
            D.MODEL_ID vdevagrmi,
            D.CA_REFERENCE_NUMBER vdevagrrn,
            D.MAC_ADDRESS1 vdevagrma
            FROM BUSINESSDATA_URUGUAY.DEVICE D
            WHERE D.ID =:param_devagrid2",
    PARAMS (param_devagrid2 = DEVICE_ID)),
  TOKENS (TK_DEVAGR_SN = @GETVAL(exec_dev_id.vdevagrsn),
    TK_DEVAGR_MI = @GETVAL(exec_dev_id.vdevagrmi),
    TK_DEVAGR_RN = @GETVAL(exec_dev_id.vdevagrrn),
    TK_DEVAGR_MA = @GETVAL(exec_dev_id.vdevagrma),
    TK_DEVAGR_CI = @GETVAL(exec_agr_id.vdevagrci)) &
  FILTER &
  (ON UPDATE, &

@STRCMP(@IF(@COLTEST(@BEFORE(id),NULL),0,@BEFORE(id)),@IF(@COLTEST(@AFTER(id),NULL),0,@AFTER(id)))
OR &

@STRCMP(@IF(@COLTEST(@BEFORE(agreement_detail_id),NULL),0,@BEFORE(agreement_detail_id)),@IF(@COLTEST(@AFTER(agreement_detail_id),NULL),0,@AFTER(agreement_detail_id))) OR
&

@STRCMP(@IF(@COLTEST(@BEFORE(device_id),NULL),0,@BEFORE(device_id)),@IF(@COLTEST(@AFTER(device_id),NULL),0,@AFTER(device_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(device_link_date),NULL),0,@BEFORE(device_link_date)),@IF(@COLTEST(@AFTER(device_link_date),NULL),0,@AFTER(device_link_date))) &
)
;

Table BUSINESSDATA_URUGUAY.FINANCIAL_ACCOUNT &
FILTER &
(ON UPDATE, &

@STRCMP(@IF(@COLTEST(@BEFORE(customer_id),NULL),0,@BEFORE(customer_id)),@IF(@COLTEST(@AFTER(customer_id),NULL),0,@AFTER(customer_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(id),NULL),0,@BEFORE(id)),@IF(@COLTEST(@AFTER(id),NULL),0,@AFTER(id)))
OR &

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@STRCMP(@IF(@COLTEST(@BEFORE(balance),NULL),0,@BEFORE(balance)),@IF(@COLTEST(@AFTER(balance),NULL),0,
,@AFTER(balance))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(currency_id),NULL),0,@BEFORE(currency_id)),@IF(@COLTEST(@AFTER(currency_
_id),NULL),0,@AFTER(currency_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(dunning_level_id),NULL),0,@BEFORE(dunning_level_id)),@IF(@COLTEST(@AFTE
R(dunning_level_id),NULL),0,@AFTER(dunning_level_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(invoice_delivery_method_id),NULL),0,@BEFORE(invoice_delivery_method_id)
),@IF(@COLTEST(@AFTER(invoice_delivery_method_id),NULL),0,@AFTER(invoice_delivery_m
ethod_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(invoicing_profile_id),NULL),0,@BEFORE(invoicing_profile_id)),@IF(@COLTE
ST(@AFTER(invoicing_profile_id),NULL),0,@AFTER(invoicing_profile_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(is_default),NULL),0,@BEFORE(is_default)),@IF(@COLTEST(@AFTER(is_default
),NULL),0,@AFTER(is_default))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(last_invoiced_amount),NULL),0,@BEFORE(last_invoiced_amount)),@IF(@COLTE
ST(@AFTER(last_invoiced_amount),NULL),0,@AFTER(last_invoiced_amount))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(last_invoiced_date),NULL),0,@BEFORE(last_invoiced_date)),@IF(@COLTEST(@
AFTER(last_invoiced_date),NULL),0,@AFTER(last_invoiced_date))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(mop_id),NULL),0,@BEFORE(mop_id)),@IF(@COLTEST(@AFTER(mop_id),NULL),0,@A
FTER(mop_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(name),NULL),0,@BEFORE(name)),@IF(@COLTEST(@AFTER(name),NULL),0,@AFTER(n
ame))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(not_yet_applied),NULL),0,@BEFORE(not_yet_applied)),@IF(@COLTEST(@AFTER(
not_yet_applied),NULL),0,@AFTER(not_yet_applied))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(parent_financial_account_id),NULL),0,@BEFORE(parent_financial_account_i
d)),@IF(@COLTEST(@AFTER(parent_financial_account_id),NULL),0,@AFTER(parent_financia
l_account_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(prepaid_disconnect_date),NULL),0,@BEFORE(prepaid_disconnect_date)),@IF(
@COLTEST(@AFTER(prepaid_disconnect_date),NULL),0,@AFTER(prepaid_disconnect_date)))
OR &

@STRCMP(@IF(@COLTEST(@BEFORE(proxy_code_id),NULL),0,@BEFORE(proxy_code_id)),@IF(@COLTEST(@AFTER(proxy
_code_id),NULL),0,@AFTER(proxy_code_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(status_id),NULL),0,@BEFORE(status_id)),@IF(@COLTEST(@AFTER(status_id),N
ULL),0,@AFTER(status_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(type_id),NULL),0,@BEFORE(type_id)),@IF(@COLTEST(@AFTER(type_id),NULL),0
,@AFTER(type_id))) &
);

Table BUSINESSDATA_URUGUAY.INVOICE &
FILTER &
(ON UPDATE, &

@STRCMP(@IF(@COLTEST(@BEFORE(customer_id),NULL),0,@BEFORE(customer_id)),@IF(@COLTEST(@AFTER(customer
_id),NULL),0,@AFTER(customer_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(id),NULL),0,@BEFORE(id)),@IF(@COLTEST(@AFTER(id),NULL),0,@AFTER(id)))
OR &

@STRCMP(@IF(@COLTEST(@BEFORE(amount_applied),NULL),0,@BEFORE(amount_applied)),@IF(@COLTEST(@AFTER(am
ount_applied),NULL),0,@AFTER(amount_applied))) OR &

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@STRCMP(@IF(@COLTEST(@BEFORE(amount_paid),NULL),0,@BEFORE(amount_paid)),@IF(@COLTEST(@AFTER(amount_p
aid),NULL),0,@AFTER(amount_paid))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(balance),NULL),0,@BEFORE(balance)),@IF(@COLTEST(@AFTER(balance),NULL),0
,@AFTER(balance))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(balance_brought_forward),NULL),0,@BEFORE(balance_brought_forward)),@IF(
@COLTEST(@AFTER(balance_brought_forward),NULL),0,@AFTER(balance_brought_forward)))
OR &

@STRCMP(@IF(@COLTEST(@BEFORE(create_date),NULL),0,@BEFORE(create_date)),@IF(@COLTEST(@AFTER(create_d
ate),NULL),0,@AFTER(create_date))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(due_date),NULL),0,@BEFORE(due_date)),@IF(@COLTEST(@AFTER(due_date),NULL
),0,@AFTER(due_date))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(financial_account_id),NULL),0,@BEFORE(financial_account_id)),@IF(@COLTE
ST(@AFTER(financial_account_id),NULL),0,@AFTER(financial_account_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(invoice_date),NULL),0,@BEFORE(invoice_date)),@IF(@COLTEST(@AFTER(invoic
e_date),NULL),0,@AFTER(invoice_date))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(invoice_number),NULL),0,@BEFORE(invoice_number)),@IF(@COLTEST(@AFTER(in
voice_number),NULL),0,@AFTER(invoice_number))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(invoice_text),NULL),0,@BEFORE(invoice_text)),@IF(@COLTEST(@AFTER(invoic
e_text),NULL),0,@AFTER(invoice_text))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(is_pending),NULL),0,@BEFORE(is_pending)),@IF(@COLTEST(@AFTER(is_pending
),NULL),0,@AFTER(is_pending))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(mop_id),NULL),0,@BEFORE(mop_id)),@IF(@COLTEST(@AFTER(mop_id),NULL),0,@A
FTER(mop_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(status_id),NULL),0,@BEFORE(status_id)),@IF(@COLTEST(@AFTER(status_id),N
ULL),0,@AFTER(status_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(total_amount),NULL),0,@BEFORE(total_amount)),@IF(@COLTEST(@AFTER(total_
amount),NULL),0,@AFTER(total_amount))) &
);

Table BUSINESSDATA_URUGUAY.KEYWORD &
FILTER &
(ON UPDATE, &

@STRCMP(@IF(@COLTEST(@BEFORE(customer_id),NULL),0,@BEFORE(customer_id)),@IF(@COLTEST(@AFTER(customer
_id),NULL),0,@AFTER(customer_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(id),NULL),0,@BEFORE(id)),@IF(@COLTEST(@AFTER(id),NULL),0,@AFTER(id)))
OR &

@STRCMP(@IF(@COLTEST(@BEFORE(allowed_keyword_id),NULL),0,@BEFORE(allowed_keyword_id)),@IF(@COLTEST(@
AFTER(allowed_keyword_id),NULL),0,@AFTER(allowed_keyword_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(attribute),NULL),0,@BEFORE(attribute)),@IF(@COLTEST(@AFTER(attribute),N
ULL),0,@AFTER(attribute))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(count_value),NULL),0,@BEFORE(count_value)),@IF(@COLTEST(@AFTER(count_va
lue),NULL),0,@AFTER(count_value))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(date_value),NULL),0,@BEFORE(date_value)),@IF(@COLTEST(@AFTER(date_value
),NULL),0,@AFTER(date_value))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(keytypes_id),NULL),0,@BEFORE(keytypes_id)),@IF(@COLTEST(@AFTER(keytypes
_id),NULL),0,@AFTER(keytypes_id))) &
);

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Table BUSINESSDATA_URUGUAY.OFFER &
FILTER &
(ON UPDATE, &

@STRCMP(@IF(@COLTEST(@BEFORE(customer_id),NULL),0,@BEFORE(customer_id)),@IF(@COLTEST(@AFTER(customer_id),NULL),0,@AFTER(customer_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(id),NULL),0,@BEFORE(id)),@IF(@COLTEST(@AFTER(id),NULL),0,@AFTER(id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(active),NULL),0,@BEFORE(active)),@IF(@COLTEST(@AFTER(active),NULL),0,@AFTER(active))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(agreement_detail_id),NULL),0,@BEFORE(agreement_detail_id)),@IF(@COLTEST(@AFTER(agreement_detail_id),NULL),0,@AFTER(agreement_detail_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(agreement_id),NULL),0,@BEFORE(agreement_id)),@IF(@COLTEST(@AFTER(agreement_id),NULL),0,@AFTER(agreement_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(end_date),NULL),0,@BEFORE(end_date)),@IF(@COLTEST(@AFTER(end_date),NULL),0,@AFTER(end_date))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(financial_account_id),NULL),0,@BEFORE(financial_account_id)),@IF(@COLTEST(@AFTER(financial_account_id),NULL),0,@AFTER(financial_account_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(active),NULL),0,@BEFORE(active)),@IF(@COLTEST(@AFTER(active),NULL),0,@AFTER(active))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(offer_definition_id),NULL),0,@BEFORE(offer_definition_id)),@IF(@COLTEST(@AFTER(offer_definition_id),NULL),0,@AFTER(offer_definition_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(start_date),NULL),0,@BEFORE(start_date)),@IF(@COLTEST(@AFTER(start_date),NULL),0,@AFTER(start_date))) &
);

Table BUSINESSDATA_URUGUAY.ORDERED_EVENT,
SQLEXEC (ID exec_ordere_od,
        QUERY "SELECT
                CHANNEL_ID vchannelid,
                ON_DEMAND vondemand
            FROM
                BUSINESSDATA_URUGUAY.EVENT_SCHEDULE ES
            Where ES.ID= :param_ordereod",
        PARAMS (param_ordereod = EVENT_SCHEDULE_ID ))
        TOKENS (TK_DATE_ORVENC = @GETVAL(exec_ordere_od.vchannelid),
                TK_DATE_ORVEND = @GETVAL(exec_ordere_od.vondemand)) &
FILTER &
(ON UPDATE, &

@STRCMP(@IF(@COLTEST(@BEFORE(customer_id),NULL),0,@BEFORE(customer_id)),@IF(@COLTEST(@AFTER(customer_id),NULL),0,@AFTER(customer_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(id),NULL),0,@BEFORE(id)),@IF(@COLTEST(@AFTER(id),NULL),0,@AFTER(id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(device_agreement_detail_id),NULL),0,@BEFORE(device_agreement_detail_id)),@IF(@COLTEST(@AFTER(device_agreement_detail_id),NULL),0,@AFTER(device_agreement_detail_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(device_id),NULL),0,@BEFORE(device_id)),@IF(@COLTEST(@AFTER(device_id),NULL),0,@AFTER(device_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(event_schedule_id),NULL),0,@BEFORE(event_schedule_id)),@IF(@COLTEST(@AFTER(event_schedule_id),NULL),0,@AFTER(event_schedule_id))) OR &

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@STRCMP(@IF(@COLTEST(@BEFORE(event_start_datetime),NULL),0,@BEFORE(event_start_datetime)),@IF(@COLTEST(@AFTER(event_start_datetime),NULL),0,@AFTER(event_start_datetime))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(event_title_id),NULL),0,@BEFORE(event_title_id)),@IF(@COLTEST(@AFTER(event_title_id),NULL),0,@AFTER(event_title_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(financial_account_id),NULL),0,@BEFORE(financial_account_id)),@IF(@COLTEST(@AFTER(financial_account_id),NULL),0,@AFTER(financial_account_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(ordered_date),NULL),0,@BEFORE(ordered_date)),@IF(@COLTEST(@AFTER(ordered_date),NULL),0,@AFTER(ordered_date))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(sales_channel_id),NULL),0,@BEFORE(sales_channel_id)),@IF(@COLTEST(@AFTER(sales_channel_id),NULL),0,@AFTER(sales_channel_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(slot_number),NULL),0,@BEFORE(slot_number)),@IF(@COLTEST(@AFTER(slot_number),NULL),0,@AFTER(slot_number))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(status),NULL),0,@BEFORE(status)),@IF(@COLTEST(@AFTER(status),NULL),0,@AFTER(status))) &
);

Table BUSINESSDATA_URUGUAY.SUHISTOR &
FILTER &
(ON UPDATE, &

@STRCMP(@IF(@COLTEST(@BEFORE(shsubscribernr),NULL),0,@BEFORE(shsubscribernr)),@IF(@COLTEST(@AFTER(shsubscribernr),NULL),0,@AFTER(shsubscribernr))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(shshnr),NULL),0,@BEFORE(shshnr)),@IF(@COLTEST(@AFTER(shshnr),NULL),0,@AFTER(shshnr))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(create_datetime),NULL),0,@BEFORE(create_datetime)),@IF(@COLTEST(@AFTER(create_datetime),NULL),0,@AFTER(create_datetime))) OR &
    @STRCMP(@IF(@COLTEST(@BEFORE(entity_id ),NULL),0,@BEFORE(entity_id
)),@IF(@COLTEST(@AFTER(entity_id ),NULL),0,@AFTER(entity_id ))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(entity_key),NULL),0,@BEFORE(entity_key)),@IF(@COLTEST(@AFTER(entity_key ),NULL),0,@AFTER(entity_key))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(external_agent_id),NULL),0,@BEFORE(external_agent_id)),@IF(@COLTEST(@AFTER(external_agent_id),NULL),0,@AFTER(external_agent_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(real_date),NULL),0,@BEFORE(real_date)),@IF(@COLTEST(@AFTER(real_date),NULL),0,@AFTER(real_date))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(requested_by_entity_id),NULL),0,@BEFORE(requested_by_entity_id)),@IF(@COLTEST(@AFTER(requested_by_entity_id),NULL),0,@AFTER(requested_by_entity_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(requested_by_type_id),NULL),0,@BEFORE(requested_by_type_id)),@IF(@COLTEST(@AFTER(requested_by_type_id),NULL),0,@AFTER(requested_by_type_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(sheventnr),NULL),0,@BEFORE(sheventnr)),@IF(@COLTEST(@AFTER(sheventnr),NULL),0,@AFTER(sheventnr))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(shproductnr),NULL),0,@BEFORE(shproductnr)),@IF(@COLTEST(@AFTER(shproductnr),NULL),0,@AFTER(shproductnr))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(shreason),NULL),0,@BEFORE(shreason)),@IF(@COLTEST(@AFTER(shreason),NULL),0,@AFTER(shreason))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(shusern),NULL),0,@BEFORE(shusern)),@IF(@COLTEST(@AFTER(shusern),NULL),0,@AFTER(shusern))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(transaction_id),NULL),0,@BEFORE(transaction_id)),@IF(@COLTEST(@AFTER(transaction_id),NULL),0,@AFTER(transaction_id))) &

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);
Table BUSINESSDATA_URUGUAY.SUHISTOR &
FILTER &
(ON UPDATE, ON DELETE, ON INSERT, &
    ((ENTITY_KEY = 2 AND SHEVENTNR = 103) OR &
    (ENTITY_KEY = 2 AND SHEVENTNR = 122) OR &
    (ENTITY_KEY = 2 AND SHEVENTNR = 125) OR &
    (ENTITY_KEY = 14 AND SHEVENTNR = 55 ) OR &
    (ENTITY_KEY = 7 AND SHEVENTNR = 870) &
    )
);

Table BUSINESSDATA_URUGUAY.WORK_ORDER &
FILTER &
(ON UPDATE, &

@STRCMP(@IF(@COLTEST(@BEFORE(customer_id),NULL),0,@BEFORE(customer_id)),@IF(@COLTEST(@AFTER(customer_id),NULL),0,@AFTER(customer_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(id),NULL),0,@BEFORE(id)),@IF(@COLTEST(@AFTER(id),NULL),0,@AFTER(id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(action_taken),NULL),0,@BEFORE(action_taken)),@IF(@COLTEST(@AFTER(action_taken),NULL),0,@AFTER(action_taken))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(actual_hours),NULL),0,@BEFORE(actual_hours)),@IF(@COLTEST(@AFTER(actual_hours),NULL),0,@AFTER(actual_hours))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(address_id),NULL),0,@BEFORE(address_id)),@IF(@COLTEST(@AFTER(address_id),NULL),0,@AFTER(address_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(agreement_id),NULL),0,@BEFORE(agreement_id)),@IF(@COLTEST(@AFTER(agreement_id),NULL),0,@AFTER(agreement_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(associate_id),NULL),0,@BEFORE(associate_id)),@IF(@COLTEST(@AFTER(associate_id),NULL),0,@AFTER(associate_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(completed_date_time),NULL),0,@BEFORE(completed_date_time)),@IF(@COLTEST(@AFTER(completed_date_time),NULL),0,@AFTER(completed_date_time))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(customer_order_id),NULL),0,@BEFORE(customer_order_id)),@IF(@COLTEST(@AFTER(customer_order_id),NULL),0,@AFTER(customer_order_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(expiration_date),NULL),0,@BEFORE(expiration_date)),@IF(@COLTEST(@AFTER(expiration_date),NULL),0,@AFTER(expiration_date))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(problem_description),NULL),0,@BEFORE(problem_description)),@IF(@COLTEST(@AFTER(problem_description),NULL),0,@AFTER(problem_description))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(registered_date_time),NULL),0,@BEFORE(registered_date_time)),@IF(@COLTEST(@AFTER(registered_date_time),NULL),0,@AFTER(registered_date_time))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(service_date_time),NULL),0,@BEFORE(service_date_time)),@IF(@COLTEST(@AFTER(service_date_time),NULL),0,@AFTER(service_date_time))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(service_provider_id),NULL),0,@BEFORE(service_provider_id)),@IF(@COLTEST(@AFTER(service_provider_id),NULL),0,@AFTER(service_provider_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(service_type_id),NULL),0,@BEFORE(service_type_id)),@IF(@COLTEST(@AFTER(service_type_id),NULL),0,@AFTER(service_type_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(stockhandler_id),NULL),0,@BEFORE(stockhandler_id)),@IF(@COLTEST(@AFTER(stockhandler_id),NULL),0,@AFTER(stockhandler_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(work_order_status_id),NULL),0,@BEFORE(work_order_status_id)),@IF(@COLTEST(@AFTER(work_order_status_id),NULL),0,@AFTER(work_order_status_id))) &
);

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Table BUSINESSDATA_URUGUAY.WORK_ORDER_SERVICE,
  SQLEXEC (ID exec_wos_ci,
    QUERY "SELECT customer_id vwosci FROM BUSINESSDATA_URUGUAY.WORK_ORDER WO
      Where WO.ID = :param_wos_id",
    PARAMS (param_wos_id = WORK_ORDER_ID)),
  SQLEXEC (ID exec_wos_sr,
    QUERY "SELECT SERIAL_NUMBER vwsr FROM BUSINESSDATA_URUGUAY.DEVICE D
      Where d.ID = :param_dv",
    PARAMS (param_dv = DEVICE_ID)),
  TOKENS (TK_WOS_CID = @GETVAL(exec_wos_ci.vwosci),
    TK_WOS_SR = @GETVAL(exec_wos_sr.vwsr)
  ) &
FILTER &
(ON UPDATE, &

@STRCMP(@IF(@COLTEST(@BEFORE(id),NULL),0,@BEFORE(id)),@IF(@COLTEST(@AFTER(id),NULL),0,@AFTER(id)))
OR &

@STRCMP(@IF(@COLTEST(@BEFORE(action_taken),NULL),0,@BEFORE(action_taken)),@IF(@COLTEST(@AFTER(action
_taken),NULL),0,@AFTER(action_taken))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(device_id),NULL),0,@BEFORE(device_id)),@IF(@COLTEST(@AFTER(device_id),N
ULL),0,@AFTER(device_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(hardware_model_id),NULL),0,@BEFORE(hardware_model_id)),@IF(@COLTEST(@AF
TER(hardware_model_id),NULL),0,@AFTER(hardware_model_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(problem_description),NULL),0,@BEFORE(problem_description)),@IF(@COLTEST
(@AFTER(problem_description),NULL),0,@AFTER(problem_description))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(product_id),NULL),0,@BEFORE(product_id)),@IF(@COLTEST(@AFTER(product_id
),NULL),0,@AFTER(product_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(quantity),NULL),0,@BEFORE(quantity)),@IF(@COLTEST(@AFTER(quantity),NULL
),0,@AFTER(quantity))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(service_id),NULL),0,@BEFORE(service_id)),@IF(@COLTEST(@AFTER(service_id
),NULL),0,@AFTER(service_id))) OR &

@STRCMP(@IF(@COLTEST(@BEFORE(work_order_id),NULL),0,@BEFORE(work_order_id)),@IF(@COLTEST(@AFTER(work
_order_id),NULL),0,@AFTER(work_order_id))) &
);

[ggatek2vCS@rgmadbu1903 dirprm]$
```

Replicat – URUGUAY

```
[ggatek2vCS@rgmadbu1903 dirprm]$ more rcuru.prm
REPLICAT rcuru
getenv (JAVA_HOME)
getenv (CLASSPATH)
getenv (PATH)
getenv (LD_LIBRARY_PATH)
TARGETDB LIBFILE libggjava.so SET property=dirprm/cass_u ru.props
REPORTCOUNT EVERY 1 MINUTES, RATE
DISCARDFILE ./dirprt/rcuru.dcs, APPEND, MEGABYTES 512
REPORTROLLOVER AT 17:30 ON SUNDAY
DISCARDROLLOVER AT 18:30 ON SUNDAY
```

```

GROUPTRANSOPS 10000
HANDLECOLLISIONS
INSERTALLRECORDS

MAP BUSINESSDATA_URUGUAY.ADDRESS, TARGET K2VIEW_CUSTOMER_LU.IBS_ADDRESS,
FILTER (ADDRCUSTNR > 0),
COLMAP (
    ADDRUSTNR = ADDRUSTNR,
    SOURCE_ID = '9',
    POS = @GETENV('GGHEADER','LOGPOSITION'),
    OP_TYPE = @GETENV('GGHEADER','OPTYPE'),
    OP_TS = @GETENV('GGHEADER','COMMITTIMESTAMP'),
    ADDRNR = ADDRNR,
    ADDRCAREOFNAME = ADDRCAREOFNAME,
    ADDRSTREET = ADDRSTREET,
    ADDREXTRA = ADDREXTRA,
    ADDRPOSTCODE = ADDRPOSTCODE,
    ADDROUNTRY = D__ADDROUNTRY,
    ADDRHOUSEALPHANR = ADDRHOUSEALPHANR,
    ADDRSMALLCITY = ADDRSMALLCITY,
    ADDREVENTNR = ADDREVENTNR,
    ADDRBIGCITY = ADDRBIGCITY,
    ADDRSTREETADDRESSN = ADDRSTREETADDRESSN,
    ADDRHOUSENRNUMERIC = ADDRHOUSENRNUMERIC,
    ADDRPROVINCENUMBER = ADDRPROVINCENUMBER,
    ADDR DIRECTIONS = ADDR DIRECTIONS,
    MARKETSEGMENT_ID = MARKETSEGMENT_ID,
    FK_GEO_CODE_ID = FK_GEO_CODE_ID,
    ADDR_ENTITY_ID = ADDR_ENTITY_ID,
    APARTMENT_NUMBER = APARTMENT_NUMBER,
    ADDRPHONEH = ADDRPHONEH,
    WORKPHONEEXT = WORKPHONEEXT,
    ADDRPHONEW = ADDRPHONEW,
    HOMEPHONEEXT = HOMEPHONEEXT,
    ADDRFX1 = ADDRFX1,
    ADDRFX2 = ADDRFX2,
    ADDREMAILADDR = ADDREMAILADDR,
    ADDR SURNAME = ADDR SURNAME,
    ADDR FIRSTNAME = ADDR FIRSTNAME,
    ADDR MIDDLENAME = ADDR MIDDLENAME,
    ADDRTITLE = D__ADDRTITLE
);
MAP BUSINESSDATA_URUGUAY.ADDRESS, TARGET K2VIEW_CUSTOMER_LU.SYNC_ON_FLY (
FILTER (ADDRCUSTNR > 0),
COLMAP(
    SOURCE_ID = '9',
    ENTITY_ID = @STRCAT(ADDRCUSTNR, '_1_9')
);

MAP BUSINESSDATA_URUGUAY.AGREEMENT_DETAIL, TARGET K2VIEW_CUSTOMER_LU.IBS_AGREEMENT_DETAIL,
FILTER (AGREEMENT_ID > 0 and CUSTOMER_ID > 0),
COLMAP (
    ID = ID,
    POS = @GETENV('GGHEADER','LOGPOSITION'),
    OP_TYPE = @GETENV('GGHEADER','OPTYPE'),
    OP_TS = @GETENV('GGHEADER','COMMITTIMESTAMP'),
    COMM_PRODUCT_ID = COMM_PRODUCT_ID,
    STATUS = STATUS,
    AGREEMENT_ID = AGREEMENT_ID,
    FINANCIAL_ACCOUNT_ID = FINANCIAL_ACCOUNT_ID,
    CUSTOMER_ID = CUSTOMER_ID,
    FINANCE_OPTION_ID = FINANCE_OPTION_ID,
    CONTRACT_PERIOD = CONTRACT_PERIOD,
    CHARGE_PERIOD_ID = CHARGE_PERIOD_ID,
    CHARGE_UNTIL_DATE = @DATE ('YYYY-MM-DD', 'YYYY-MM-DD:HH:MI:SS', CHARGE_UNTIL_DATE),
    CONTRACT_START_DATE = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS',
CONTRACT_START_DATE),

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        CONTRACT_END_DATE = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS', CONTRACT_END_DATE),
        CHARGE_PERIOD = @CASE (CHARGE_PERIOD_ID, 1, 'Monthly', 3, 'Quarterly', 6, 'HalfYearly',
12, 'Yearly'),
        SOURCE_ID = '9'
    );
MAP BUSINESSDATA_URUGUAY.AGREEMENT_DETAIL, TARGET K2VIEW_CUSTOMER_LU.SYNC_ON_FLY (
    FILTER (AGREEMENT_ID > 0 and CUSTOMER_ID > 0),
    COLMAP(
        SOURCE_ID = '9',
        ENTITY_ID = @STRCAT(CUSTOMER_ID, '_1_9')
    );
MAP BUSINESSDATA_URUGUAY.AGREEMENT, TARGET K2VIEW_CUSTOMER_LU.IBS_AGREEMENT,
    FILTER (CUSTOMER_ID > 0),
    COLMAP (
        ID = ID,
        POS = @GETENV('GGHEADER', 'LOGPOSITION'),
        OP_TYPE = @GETENV('GGHEADER', 'OPTYPE'),
        OP_TS = @GETENV('GGHEADER', 'COMMITTIMESTAMP'),
        CONTRACT_NUMBER = CONTRACT_NUMBER,
        MARKET_SEGMENT_ID = MARKET_SEGMENT_ID,
        NAME = NAME,
        STATUS = STATUS,
        TYPE = TYPE,
        CUSTOMER_ID = CUSTOMER_ID,
        STOCK_HANDLER_ID = STOCK_HANDLER_ID,
        CHARGE_PERIOD_ID = CHARGE_PERIOD_ID,
        CONTRACT_START_DATE = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS',
CONTRACT_START_DATE),
        CONTRACT_END_DATE = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS', CONTRACT_END_DATE),
        CHARGE_PERIOD = @CASE (CHARGE_PERIOD_ID, 1, 'Monthly', 3, 'Quarterly', 6, 'HalfYearly',
12, 'Yearly'),
        SOURCE_ID = '9'
    );
MAP BUSINESSDATA_URUGUAY.AGREEMENT, TARGET K2VIEW_CUSTOMER_LU.SYNC_ON_FLY (
    FILTER (CUSTOMER_ID > 0),
    COLMAP(
        SOURCE_ID = '9',
        ENTITY_ID = @STRCAT(CUSTOMER_ID, '_1_9')
    );
MAP BUSINESSDATA_URUGUAY.CONTACT, TARGET K2VIEW_CUSTOMER_LU.IBS_CONTACT,
    FILTER (CUSTOMER_ID > 0),
    COLMAP (
        ID = ID,
        POS = @GETENV('GGHEADER', 'LOGPOSITION'),
        OP_TYPE = @GETENV('GGHEADER', 'OPTYPE'),
        OP_TS = @GETENV('GGHEADER', 'COMMITTIMESTAMP'),
        PRODUCT_ID = PRODUCT_ID,
        METHOD = METHOD,
        DEVICE_ID = DEVICE_ID,
        ORDER_ID = ORDER_ID,
        WORK_ORDER_ID = WORK_ORDER_ID,
        ACTION_TAKEN = ACTION_TAKEN,
        CATEGORY = CATEGORY,
        PROBLEM_DESC = PROBLEM_DESC,
        CREATED_BY_USER = CREATED_BY_USER,
        STATUS = STATUS,
        ALLOCATED_TO_USER = ALLOCATED_TO_USER,
        CUSTOMER_ID = CUSTOMER_ID,
        CREATED_DATE = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS', CREATED_DATE),
        ACTION_DATE = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS', ACTION_DATE),
        SOURCE_ID = '9'
    );
MAP BUSINESSDATA_URUGUAY.CONTACT, TARGET K2VIEW_CUSTOMER_LU.SYNC_ON_FLY (
    FILTER (CUSTOMER_ID > 0),
    COLMAP(

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SOURCE_ID = '9',
ENTITY_ID = @STRCAT(CUSTOMER_ID, '_1_9')
);

MAP BUSINESSDATA_URUGUAY.CREDIT_CARD, TARGET K2VIEW_CUSTOMER_LU.IBS_CREDIT_CARD,
FILTER (FINANCIAL_ACCOUNT_ID > 0 and @TOKEN ('TK_CC_CUSTOMER') > 0),
COLMAP (USEDDEFAULTS,
    FINANCIAL_ACCOUNT_ID = FINANCIAL_ACCOUNT_ID,
    POS = @GETENV('GGHEADER','LOGPOSITION'),
    OP_TYPE = @GETENV('GGHEADER','OPTYPE'),
    OP_TS = @GETENV('GGHEADER','COMMITTIMESTAMP'),
    CREDIT_CARD_NUMBER = @TOKEN ('TK_CC_NUMBER'),
    CUSTOMER_ID = @TOKEN ('TK_CC_CUSTOMER'),
    SOURCE_ID = '9'
);

MAP BUSINESSDATA_URUGUAY.CREDIT_CARD, TARGET K2VIEW_CUSTOMER_LU.SYNC_ON_FLY (
FILTER (FINANCIAL_ACCOUNT_ID > 0 and @TOKEN ('TK_CC_CUSTOMER') > 0),
COLMAP(
SOURCE_ID = '9',
ENTITY_ID = @STRCAT(@STRNUM(@TOKEN ('TK_CC_CUSTOMER')), '_1_9')
);

MAP BUSINESSDATA_URUGUAY.CUSTOM_FIELD_VALUE, TARGET K2VIEW_CUSTOMER_LU.IBS_CUSTOM_FIELD_VALUE,
FILTER (@TOKEN ('TK_DATE_CUSFEM') =1 and INSTANCE_ID > 0),
COLMAP (
    ID = ID,
    POS = @GETENV('GGHEADER','LOGPOSITION'),
    OP_TYPE = @GETENV('GGHEADER','OPTYPE'),
    OP_TS = @GETENV('GGHEADER','COMMITTIMESTAMP'),
    CUSTOM_FIELD_ENTITY_ID = CUSTOM_FIELD_ENTITY_ID ,
    VALUE = VALUE ,
    INSTANCE_ID = INSTANCE_ID ,
    ENTITY_METADATA_ID = @TOKEN ('TK_DATE_CUSFEM'),
    INSTANCE_ID = INSTANCE_ID,
    SOURCE_ID = '9'
);

MAP BUSINESSDATA_URUGUAY.CUSTOM_FIELD_VALUE, TARGET K2VIEW_CUSTOMER_LU.SYNC_ON_FLY (
FILTER (@TOKEN ('TK_DATE_CUSFEM') =1 and INSTANCE_ID > 0),
COLMAP(
SOURCE_ID = '9',
ENTITY_ID = @STRCAT(INSTANCE_ID, '_1_9')
);

MAP BUSINESSDATA_URUGUAY.CUSTOMER, TARGET K2VIEW_CUSTOMER_LU.IBS_CUSTOMER,
FILTER (ID > 0),
COLMAP(
    ENTITY_ID = @STRCAT(ID, '_1_9'),
    OP_TYPE = @GETENV('GGHEADER','OPTYPE'),
    OP_TS = @GETENV('GGHEADER','COMMITTIMESTAMP'),
    POS = @GETENV('GGHEADER','LOGPOSITION'),
    TYPE_ID = TYPE_ID,
    STATUS_ID = STATUS_ID,
    CLASS_ID = CLASS_ID,
    SEGMENTATION_ID = SEGMENTATION_ID,
    CUSTOMER_SINCE = @DATE ('YYYY-MM-DD', 'YYYY-MM-DD HH:MI:SS', CUSTOMER_SINCE),
    EXEMPTION_CODE_ID = EXEMPTION_CODE_ID ,
    EXEMPTION_SERIAL_NUMBER = EXEMPTION_SERIAL_NUMBER,
    EXEMPTION_FROM = @DATE ('YYYY-MM-DD', 'YYYY-MM-DD HH:MI:SS', EXEMPTION_FROM),
    ID = ID,
    REFERENCE_TYPE_ID = REFERENCE_TYPE_ID,
    IDENTIFICATION_ID = @TOKEN ('TK_IDENTIFICATION_ID'),
    INTERNET_PASSWORD_ENC = @TOKEN ('TK_INTERNET_PASSWORD_ENC'),
    INTERNET_PASSWORD_IV = @BINTOHEX (INTERNET_PASSWORD_IV),
    INTERNET_USER_NAME = INTERNET_USER_NAME,
    LANGUAGE_ID = LANGUAGE_ID,
    BIRTH_DATE = @TOKEN ('TK_BIRTH_DATE'),
    BUSINESS_UNIT_ID = BUSINESS_UNIT_ID,

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        MAGAZINES = MAGAZINES,
        SOURCE_ID = '9'
    );
MAP BUSINESSDATA_URUGUAY.CUSTOMER, TARGET K2VIEW_CUSTOMER_LU.SYNC_ON_FLY (
    FILTER (ID > 0),
    COLMAP(
        SOURCE_ID = '9',
        ENTITY_ID = @STRCAT(ID, '_1_9')
    );

MAP BUSINESSDATA_URUGUAY.DEVICE_AGREEMENT_DETAIL, TARGET
K2VIEW_CUSTOMER_LU.IBS_DEVICE_AGREEMENT_DETAIL,
    FILTER (@TOKEN ('TK_DEVAGR_CI') > 0),
    COLMAP (
        ID = ID,
        POS = @GETENV('GGHEADER','LOGPOSITION'),
        OP_TYPE = @GETENV('GGHEADER','OPTYPE'),
        OP_TS = @GETENV('GGHEADER','COMMITTIMESTAMP'),
        AGREEMENT_DETAIL_ID = AGREEMENT_DETAIL_ID,
        DEVICE_ID = DEVICE_ID,
        SERIAL_NUMBER = @TOKEN ('TK_DEVAGR_SN'),
        CUSTOMER_ID = @TOKEN ('TK_DEVAGR_CI'),
        MODEL_ID = @TOKEN ('TK_DEVAGR_MI'),
        CA_REFERENCE_NUMBER = @TOKEN ('TK_DEVAGR_RN'),
        MAC_ADDRESS1 = @TOKEN ('TK_DEVAGR_MA'),
        CUSTOMER_ID = @TOKEN ('TK_DEVAGR_CI'),
        DEVICE_LINK_DATE = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS', DEVICE_LINK_DATE),
        SOURCE_ID = '9'
    );
MAP BUSINESSDATA_URUGUAY.DEVICE_AGREEMENT_DETAIL, TARGET K2VIEW_CUSTOMER_LU.SYNC_ON_FLY (
    FILTER (@TOKEN ('TK_DEVAGR_CI') > 0),
    COLMAP(
        SOURCE_ID = '9',
        ENTITY_ID = @STRCAT(@TOKEN ('TK_DEVAGR_CI'), '_1_9')
    );

MAP BUSINESSDATA_URUGUAY.FINANCIAL_ACCOUNT, TARGET K2VIEW_CUSTOMER_LU.IBS_FINANCIAL_ACCOUNT,
    FILTER (CUSTOMER_ID > 0),
    COLMAP (
        ID = ID,
        POS = @GETENV('GGHEADER','LOGPOSITION'),
        OP_TYPE = @GETENV('GGHEADER','OPTYPE'),
        OP_TS = @GETENV('GGHEADER','COMMITTIMESTAMP'),
        NAME = NAME,
        STATUS_ID = STATUS_ID,
        TYPE_ID = TYPE_ID,
        BALANCE = BALANCE,
        INVOICE_DELIVERY_METHOD_ID = INVOICE_DELIVERY_METHOD_ID,
        CURRENCY_ID = CURRENCY_ID,
        DUNNING_LEVEL_ID = DUNNING_LEVEL_ID,
        INVOICING_PROFILE_ID = INVOICING_PROFILE_ID,
        LAST_INVOICED_AMOUNT = LAST_INVOICED_AMOUNT,
        PARENT_FINANCIAL_ACCOUNT_ID = PARENT_FINANCIAL_ACCOUNT_ID,
        MOP_ID = MOP_ID,
        IS_DEFAULT = IS_DEFAULT,
        PROXY_CODE_ID = PROXY_CODE_ID,
        NOT_YET_APPLIED = NOT_YET_APPLIED,
        CUSTOMER_ID = CUSTOMER_ID,
        LAST_INVOICED_DATE = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS',
LAST_INVOICED_DATE),
        PREPAID_DISCONNECT_DATE = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS',
PREPAID_DISCONNECT_DATE),
        SOURCE_ID = '9'
    );
MAP BUSINESSDATA_URUGUAY.FINANCIAL_ACCOUNT, TARGET K2VIEW_CUSTOMER_LU.SYNC_ON_FLY (
    FILTER (CUSTOMER_ID > 0),
    COLMAP(

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        SOURCE_ID = '9',
        ENTITY_ID = @STRCAT(CUSTOMER_ID, '_1_9')
    );

MAP BUSINESSDATA_URUGUAY.INVOICE, TARGET K2VIEW_CUSTOMER_LU.IBS_INVOICE,
FILTER (CUSTOMER_ID > 0),
COLMAP (
    ID = ID,
    POS = @GETENV('GGHEADER', 'LOGPOSITION'),
    OP_TYPE = @GETENV('GGHEADER', 'OPTYPE'),
    OP_TS = @GETENV('GGHEADER', 'COMMITTIMESTAMP'),
    FINANCIAL_ACCOUNT_ID = FINANCIAL_ACCOUNT_ID,
    AMOUNT_PAID = AMOUNT_PAID,
    INVOICE_NUMBER = INVOICE_NUMBER,
    STATUS_ID = STATUS_ID,
    INVOICE_TEXT = INVOICE_TEXT,
    MOP_ID = MOP_ID,
    TOTAL_AMOUNT = TOTAL_AMOUNT,
    CUSTOMER_ID = CUSTOMER_ID,
    BALANCE = BALANCE,
    IS_PENDING = IS_PENDING,
    BALANCE_BROUGHT_FORWARD = BALANCE_BROUGHT_FORWARD,
    DIAS = @DATEDIFF('DD', DUE_DATE, @DATENOW()),
    CREATE_DATE = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS', CREATE_DATE),
    DUE_DATE = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS', DUE_DATE),
    INVOICE_DATE = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS', INVOICE_DATE),
    SOURCE_ID = '9'
);

MAP BUSINESSDATA_URUGUAY.INVOICE, TARGET K2VIEW_CUSTOMER_LU.SYNC_ON_FLY (
FILTER (CUSTOMER_ID > 0),
COLMAP(
    SOURCE_ID = '9',
    ENTITY_ID = @STRCAT(CUSTOMER_ID, '_1_9')
);

MAP BUSINESSDATA_URUGUAY.KEYWORD, TARGET K2VIEW_CUSTOMER_LU.IBS_KEYWORD,
FILTER (CUSTOMER_ID > 0),
COLMAP (
    CUSTOMER_ID = CUSTOMER_ID,
    POS = @GETENV('GGHEADER', 'LOGPOSITION'),
    OP_TYPE = @GETENV('GGHEADER', 'OPTYPE'),
    OP_TS = @GETENV('GGHEADER', 'COMMITTIMESTAMP'),
    ATTRIBUTE = ATTRIBUTE,
    COUNT_VALUE = COUNT_VALUE,
    ID = ID,
    ALLOWED_KEYWORD_ID = ALLOWED_KEYWORD_ID,
    KEYTYPES_ID = KEYTYPES_ID,
    DATE_VALUE = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS', DATE_VALUE),
    SOURCE_ID = '9'
);

MAP BUSINESSDATA_URUGUAY.KEYWORD, TARGET K2VIEW_CUSTOMER_LU.SYNC_ON_FLY (
FILTER (CUSTOMER_ID > 0),
COLMAP(
    SOURCE_ID = '9',
    ENTITY_ID = @STRCAT(CUSTOMER_ID, '_1_9')
);

MAP BUSINESSDATA_URUGUAY.OFFER, TARGET K2VIEW_CUSTOMER_LU.IBS_OFFER,
FILTER (CUSTOMER_ID > 0),
COLMAP (
    ID = ID,
    POS = @GETENV('GGHEADER', 'LOGPOSITION'),
    OP_TYPE = @GETENV('GGHEADER', 'OPTYPE'),
    OP_TS = @GETENV('GGHEADER', 'COMMITTIMESTAMP'),
    ACTIVE = ACTIVE,
    OFFER_DEFINITION_ID = OFFER_DEFINITION_ID,
    CUSTOMER_ID = CUSTOMER_ID,

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FINANCIAL_ACCOUNT_ID = FINANCIAL_ACCOUNT_ID,
AGREEMENT_ID = AGREEMENT_ID,
AGREEMENT_DETAIL_ID = AGREEMENT_DETAIL_ID,
START_DATE = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS', START_DATE),
END_DATE = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS', END_DATE),
IS_ACTIVE = @IF (ACTIVE =1 , 'Active', 'Canceled')
SOURCE_ID = '9'
);
MAP BUSINESSDATA_URUGUAY.OFFER, TARGET K2VIEW_CUSTOMER_LU.SYNC_ON_FLY (
FILTER (CUSTOMER_ID > 0),
COLMAP(
SOURCE_ID = '9',
ENTITY_ID = @STRCAT(CUSTOMER_ID, '_1_9')
);

MAP BUSINESSDATA_URUGUAY.ORDERED_EVENT, TARGET K2VIEW_CUSTOMER_LU.IBS_ORDERED_EVENT,
FILTER (CUSTOMER_ID > 0),
COLMAP (
ID = ID,
POS = @GETENV('GGHEADER','LOGPOSITION'),
OP_TYPE = @GETENV('GGHEADER','OPTYPE'),
OP_TS = @GETENV('GGHEADER','COMMITTIMESTAMP'),
EVENT_TITLE_ID = EVENT_TITLE_ID,
CUSTOMER_ID = CUSTOMER_ID,
DEVICE_ID = DEVICE_ID,
EVENT_SCHEDULE_ID = EVENT_SCHEDULE_ID,
SALES_CHANNEL_ID = SALES_CHANNEL_ID,
DEVICE_AGREEMENT_DETAIL_ID = DEVICE_AGREEMENT_DETAIL_ID,
FINANCIAL_ACCOUNT_ID = FINANCIAL_ACCOUNT_ID,
SLOT_NUMBER = SLOT_NUMBER,
STATUS = STATUS,
CHANNEL_ID = @TOKEN ('TK_DATE_ORVENC'),
ON_DEMAND = @TOKEN ('TK_DATE_ORVEND'),
ORDERED_DATE = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS', ORDERED_DATE),
EVENT_START_DATETIME = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS',
EVENT_START_DATETIME),
SOURCE_ID = '9'
);
MAP BUSINESSDATA_URUGUAY.ORDERED_EVENT, TARGET K2VIEW_CUSTOMER_LU.SYNC_ON_FLY (
FILTER (CUSTOMER_ID > 0),
COLMAP(
SOURCE_ID = '9',
ENTITY_ID = @STRCAT(CUSTOMER_ID, '_1_9')
);

MAP BUSINESSDATA_URUGUAY.SUHISTOR, TARGET K2VIEW_CUSTOMER_LU.IBS_SUHISTOR,
FILTER (SHSUBSCRIBERNR > 0),
COLMAP (
POS = @GETENV('GGHEADER','LOGPOSITION'),
OP_TYPE = @GETENV('GGHEADER','OPTYPE'),
OP_TS = @GETENV('GGHEADER','COMMITTIMESTAMP'),
ENTITY_KEY = ENTITY_KEY,
SHEVENTNR = SHEVENTNR,
ENTITY_ID = ENTITY_ID,
SHUSERNR = SHUSERNR,
EXTERNAL_AGENT_ID = EXTERNAL_AGENT_ID,
SHSUBSCRIBERNR = SHSUBSCRIBERNR,
SHSHNR = SHSHNR,
SHREASON = SHREASON,
SHPRODUCTNR = SHPRODUCTNR,
REQUESTED_BY_TYPE_ID = REQUESTED_BY_TYPE_ID,
REQUESTED_BY_ENTITY_ID = REQUESTED_BY_ENTITY_ID,
TRANSACTION_ID = TRANSACTION_ID,
CREATE_DATETIME = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS', CREATE_DATETIME),
REAL_DATE = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS', REAL_DATE),
SOURCE_ID = '9'
);

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MAP BUSINESSDATA_URUGUAY.SUHISTOR, TARGET K2VIEW_CUSTOMER_LU.SYNC_ON_FLY (
FILTER (SHSUBSCRIBERNR > 0),
COLMAP(
    SOURCE_ID = '9',
    ENTITY_ID = @STRCAT(SHSUBSCRIBERNR, '_1_9')
);

MAP BUSINESSDATA_URUGUAY.WORK_ORDER, TARGET K2VIEW_CUSTOMER_LU.IBS_WORK_ORDER,
FILTER (CUSTOMER_ID > 0),
COLMAP (
    ID = ID,
    POS = @GETENV('GGHEADER', 'LOGPOSITION'),
    OP_TYPE = @GETENV('GGHEADER', 'OPTYPE'),
    OP_TS = @GETENV('GGHEADER', 'COMMITTIMESTAMP'),
    ACTION_TAKEN = ACTION_TAKEN,
    PROBLEM_DESCRIPTION = PROBLEM_DESCRIPTION,
    ADDRESS_ID = ADDRESS_ID,
    WORK_ORDER_STATUS_ID = WORK_ORDER_STATUS_ID,
    AGREEMENT_ID = AGREEMENT_ID,
    SERVICE_TYPE_ID = SERVICE_TYPE_ID,
    SERVICE_PROVIDER_ID = SERVICE_PROVIDER_ID,
    CUSTOMER_ORDER_ID = CUSTOMER_ORDER_ID,
    STOCKHANDLER_ID = STOCKHANDLER_ID,
    ACTUAL_HOURS = ACTUAL_HOURS,
    CUSTOMER_ID = CUSTOMER_ID,
    REGISTERED_DATE_TIME = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS',
REGISTERED_DATE_TIME),
    SERVICE_DATE_TIME = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS',
SERVICE_DATE_TIME),
    COMPLETED_DATE_TIME = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS',
COMPLETED_DATE_TIME),
    EXPIRATION_DATE = @DATE ('YYYY-MM-DD HH:MI:SS', 'YYYY-MM-DD HH:MI:SS', EXPIRATION_DATE),
    SOURCE_ID = '9'
);

MAP BUSINESSDATA_URUGUAY.WORK_ORDER, TARGET K2VIEW_CUSTOMER_LU.SYNC_ON_FLY (
FILTER (CUSTOMER_ID > 0),
COLMAP(
    SOURCE_ID = '9',
    ENTITY_ID = @STRCAT(CUSTOMER_ID, '_1_9')
);

MAP BUSINESSDATA_URUGUAY.WORK_ORDER_SERVICE, TARGET K2VIEW_CUSTOMER_LU.IBS_WORK_ORDER_SERVICE,
FILTER (@TOKEN ('TK_WOS_CID') > 0),
COLMAP (
    ID = ID,
    POS = @GETENV('GGHEADER', 'LOGPOSITION'),
    OP_TYPE = @GETENV('GGHEADER', 'OPTYPE'),
    OP_TS = @GETENV('GGHEADER', 'COMMITTIMESTAMP'),
    WORK_ORDER_ID = WORK_ORDER_ID,
    SERVICE_ID = SERVICE_ID,
    DEVICE_ID = DEVICE_ID,
    PRODUCT_ID = PRODUCT_ID,
    HARDWARE_MODEL_ID = HARDWARE_MODEL_ID,
    ACTION_TAKEN = ACTION_TAKEN,
    PROBLEM_DESCRIPTION = PROBLEM_DESCRIPTION,
    QUANTITY = QUANTITY,
    SERIAL_NUMBER = @TOKEN ('TK_WOS_SR'),
    CUSTOMER_ID = @TOKEN ('TK_WOS_CID'),
    SOURCE_ID = '9'
);

MAP BUSINESSDATA_URUGUAY.WORK_ORDER_SERVICE, TARGET K2VIEW_CUSTOMER_LU.SYNC_ON_FLY (
FILTER (@TOKEN ('TK_WOS_CID') > 0),
COLMAP(
    SOURCE_ID = '9',
    ENTITY_ID = @STRCAT(@TOKEN ('TK_WOS_CID'), '_1_9')
);
[ggatek2vCS@rgmadbu1903 dirprm]$

```

Properties File - Uruguay

```
[ggatek2vCS@rgmadbu1903 dirprm]$ more cass_uru.props
gg.handlerlist=cassandra
## AVRO ----
gg.mdp.type = avro
gg.mdp.schemaFilePath = /u01/app/ggate_K2V_CS/OGGForBD/avromdp_uru
gg.mdp.charset = UTF-8

#The handler properties
gg.handler.cassandra.type=cassandra
gg.handler.cassandra.mode=op
#### Connection data to cassandra
gg.handler.cassandra.contactPoints=172.22.126.182,172.22.126.184,172.22.126.196
gg.handler.cassandra.username=admin
gg.handler.cassandra.password=admin

#gg.handler.cassandra.ddlHandling=CREATE,ADD
#set compressedUpdates to false in case of full image
gg.handler.cassandra.compressedUpdates=true
gg.handler.cassandra.cassandraMode=sync
gg.handler.cassandra.consistencyLevel=LOCAL_ONE
goldengate.userexit.timestamp=utc
goldengate.userexit.writers=javawriter
javawriter.stats.display=TRUE
javawriter.stats.full=TRUE
gg.log=log4j
gg.log.level=info
#gg.log.level=debug
gg.report.time=30sec
auto.create.topics.enable =TRUE
gg.classpath=/u01/app/ggate_K2V_CS/OGGForBD/cassandrdrv/cassandra-java-driver-
3.1.4/*:/u01/app/ggate_K2V_CS/OGGForBD/cassandrdrv/cassandra-java-driver-
3.1.4/lib/*:/u01/app/ggate_K2V_CS
/OGGForBD/dirprm/
javawriter.bootoptions=-Xmx512m -Xms32m -Djava.class.path=.:ggjava/ggjava.jar:./dirprm
#gg.handler.cassandra.filter=oracle.goldengate.datasource.NoOpUpdateFilter
[ggatek2vCS@rgmadbu1903 dirprm]$
```

Avro file - Uruguay

```
[ggatek2vCS@rgmadbu1903 avromdp_uru]$ ls -l
total 68
-rwxrwxr-x 1 ggatek2vCS ggatek2vCS 2156 Nov 16 13:47 K2VIEW_CUSTOMER_LU.IBS_ADDRESS.mdp.avsc
-rwxrwxr-x 1 ggatek2vCS ggatek2vCS 1142 Nov 16 13:47
K2VIEW_CUSTOMER_LU.IBS_AGREEMENT_DETAIL.mdp.avsc
-rwxrwxr-x 1 ggatek2vCS ggatek2vCS 1054 Nov 16 13:47 K2VIEW_CUSTOMER_LU.IBS_AGREEMENT.mdp.avsc
-rwxrwxr-x 1 ggatek2vCS ggatek2vCS 1205 Nov 16 13:47 K2VIEW_CUSTOMER_LU.IBS_CONTACT.mdp.avsc
-rwxrwxr-x 1 ggatek2vCS ggatek2vCS 586 Nov 16 13:47 K2VIEW_CUSTOMER_LU.IBS_CREDIT_CARD.mdp.avsc
-rwxrwxr-x 1 ggatek2vCS ggatek2vCS 1474 Nov 16 13:47 K2VIEW_CUSTOMER_LU.IBS_CUSTOMER.mdp.avsc
-rwxrwxr-x 1 ggatek2vCS ggatek2vCS 658 Nov 16 13:47
K2VIEW_CUSTOMER_LU.IBS_CUSTOM_FIELD_VALUE.mdp.avsc
-rwxrwxr-x 1 ggatek2vCS ggatek2vCS 893 Nov 16 13:47
K2VIEW_CUSTOMER_LU.IBS_DEVICE_AGREEMENT_DETAIL.mdp.avsc
-rwxrwxr-x 1 ggatek2vCS ggatek2vCS 1651 Nov 16 13:47
K2VIEW_CUSTOMER_LU.IBS_FINANCIAL_ACCOUNT.mdp.avsc
-rwxrwxr-x 1 ggatek2vCS ggatek2vCS 1276 Nov 16 13:47 K2VIEW_CUSTOMER_LU.IBS_INVOICE.mdp.avsc
-rwxrwxr-x 1 ggatek2vCS ggatek2vCS 745 Nov 16 13:47 K2VIEW_CUSTOMER_LU.IBS_KEYWORD.mdp.avsc
-rwxrwxr-x 1 ggatek2vCS ggatek2vCS 935 Nov 16 13:47 K2VIEW_CUSTOMER_LU.IBS_OFFER.mdp.avsc
```

```
-rwxrwxr-x 1 ggatek2vCS ggatek2vCS 1187 Nov 16 13:47 K2VIEW_CUSTOMER_LU.IBS_ORDERED_EVENT.mdp.avsc
-rwxrwxr-x 1 ggatek2vCS ggatek2vCS 1161 Nov 16 13:47 K2VIEW_CUSTOMER_LU.IBS_SUHISTOR.mdp.avsc
-rwxrwxr-x 1 ggatek2vCS ggatek2vCS 1345 Nov 16 13:47 K2VIEW_CUSTOMER_LU.IBS_WORK_ORDER.mdp.avsc
-rwxrwxr-x 1 ggatek2vCS ggatek2vCS 991 Nov 16 13:47
K2VIEW_CUSTOMER_LU.IBS_WORK_ORDER_SERVICE.mdp.avsc
-rwxrwxr-x 1 ggatek2vCS ggatek2vCS 390 Nov 16 13:47 K2VIEW_CUSTOMER_LU.SYNC_ON_FLY.mdp.avsc
[ggatek2vCS@rgmadbu1903 avromdp_uru]$
```

```
[ggatek2vCS@rgmadbu1903 avromdp_uru]$ more K2VIEW_CUSTOMER_LU.IBS_ADDRESS.mdp.avsc
{"namespace": "K2VIEW_CUSTOMER_LU",
"type": "record",
"name": "IBS_ADDRESS",
"fields": [
  {"name": "ADDRCUSTNR", "type": "int", "primary_key": true},
  {"name": "SOURCE_ID", "type": "int", "primary_key": true},
  {"name": "POS", "type": "int", "primary_key": true},
  {"name": "OP_TYPE", "type": ["string", "null"]},
  {"name": "OP_TS", "type": ["string", "null"]},
  {"name": "ADDRNR", "type": ["int", "null"]},
  {"name": "ADDRCAREOFNAME", "type": ["string", "null"]},
  {"name": "ADDRSTREET", "type": ["string", "null"]},
  {"name": "ADDREXTRA", "type": ["string", "null"]},
  {"name": "ADDRPOSTCODE", "type": ["string", "null"]},
  {"name": "ADDRCOUNTRY", "type": ["string", "null"]},
  {"name": "ADDRHOUSEALPHANR", "type": ["string", "null"]},
  {"name": "ADDRSMALLCITY", "type": ["string", "null"]},
  {"name": "ADDREVENTNR", "type": ["int", "null"]},
  {"name": "ADDRBIGCITY", "type": ["string", "null"]},
  {"name": "ADDRSTREETADDRESSN", "type": ["int", "null"]},
  {"name": "ADDRHOUSENRNUMERIC", "type": ["int", "null"]},
  {"name": "ADDRPROVINCENUMBER", "type": ["int", "null"]},
  {"name": "ADDRDIRECTIONS", "type": ["string", "null"]},
  {"name": "MARKETSEGMENT_ID", "type": ["int", "null"]},
  {"name": "FK_GEO_CODE_ID", "type": ["int", "null"]},
  {"name": "ADDR_ENTITY_ID", "type": ["int", "null"]},
  {"name": "APARTMENT_NUMBER", "type": ["string", "null"]},
  {"name": "ADDRPHONEH", "type": ["string", "null"]},
  {"name": "WORKPHONEEXT", "type": ["string", "null"]},
  {"name": "ADDRPHONEW", "type": ["string", "null"]},
  {"name": "HOMEPHONEEXT", "type": ["string", "null"]},
  {"name": "ADDRFAX1", "type": ["string", "null"]},
  {"name": "ADDRFAX2", "type": ["string", "null"]},
  {"name": "ADDREMAILADDR", "type": ["string", "null"]},
  {"name": "ADDRSURNAME", "type": ["string", "null"]},
  {"name": "ADDRFIRSTNAME", "type": ["string", "null"]},
  {"name": "ADDRMIDDLENAME", "type": ["string", "null"]},
  {"name": "ADDRTITLE", "type": ["string", "null"]}
]
}
[ggatek2vCS@rgmadbu1903 avromdp_uru]$
```

```
[ggatek2vCS@rgmadbu1903 avromdp_uru]$ more K2VIEW_CUSTOMER_LU.IBS_AGREEMENT_DETAIL.mdp.avsc
{"namespace": "K2VIEW_CUSTOMER_LU",
"type": "record",
"name": "IBS_AGREEMENT_DETAIL",
"fields": [
  {"name": "CUSTOMER_ID", "type": "int", "primary_key": true},
  {"name": "SOURCE_ID", "type": "int", "primary_key": true},
  {"name": "POS", "type": "long", "primary_key": true},
  {"name": "OP_TYPE", "type": ["string", "null"]},
  {"name": "OP_TS", "type": ["string", "null"]},
  {"name": "CONTRACT_START_DATE", "type": ["string", "null"]},
  {"name": "COMM_PRODUCT_ID", "type": ["int", "null"]},
  {"name": "STATUS", "type": ["int", "null"]},
  {"name": "CONTRACT_END_DATE", "type": ["string", "null"]}
]
```

```

{"name": "ID", "type": ["int", "null"]},
{"name": "FINANCIAL_ACCOUNT_ID", "type": ["int", "null"]},
{"name": "AGREEMENT_ID", "type": ["int", "null"]},
{"name": "FINANCE_OPTION_ID", "type": ["int", "null"]},
{"name": "CONTRACT_PERIOD", "type": ["int", "null"]},
{"name": "CHARGE_PERIOD_ID", "type": ["int", "null"]},
{"name": "CHARGE_PERIOD", "type": ["string", "null"]},
{"name": "CHARGE_UNTIL_DATE", "type": ["string", "null"]}
]
}
[ggatek2vCS@rgmadbu1903 avromdp_uru]$

```

```

[ggatek2vCS@rgmadbu1903 avromdp_uru]$ more K2VIEW_CUSTOMER_LU.IBS_AGREEMENT.mdp.avsc
{"namespace": "K2VIEW_CUSTOMER_LU",
"type": "record",
"name": "IBS_AGREEMENT",
"fields": [
{"name": "CUSTOMER_ID", "type": "int", "primary_key": true},
{"name": "SOURCE_ID", "type": "string", "primary_key": true},
{"name": "POS", "type": "int", "primary_key": true},
{"name": "OP_TYPE", "type": ["string", "null"]},
{"name": "OP_IS", "type": ["string", "null"]},
{"name": "CONTRACT_NUMBER", "type": ["string", "null"]},
{"name": "CONTRACT_START_DATE", "type": ["string", "null"]},
{"name": "MARKET_SEGMENT_ID", "type": ["int", "null"]},
{"name": "NAME", "type": ["string", "null"]},
{"name": "STATUS", "type": ["int", "null"]},
{"name": "CONTRACT_END_DATE", "type": ["string", "null"]},
{"name": "TYPE", "type": ["int", "null"]},
{"name": "ID", "type": ["int", "null"]},
{"name": "CHARGE_PERIOD", "type": ["string", "null"]},
{"name": "STOCK_HANDLER_ID", "type": ["int", "null"]},
{"name": "CHARGE_PERIOD_ID", "type": ["int", "null"]}
]
}
[ggatek2vCS@rgmadbu1903 avromdp_uru]$

```

```

[ggatek2vCS@rgmadbu1903 avromdp_uru]$ more K2VIEW_CUSTOMER_LU.IBS_CONTACT.mdp.avsc
{"namespace": "K2VIEW_CUSTOMER_LU",
"type": "record",
"name": "IBS_CONTACT",
"fields": [
{"name": "CUSTOMER_ID", "type": "int", "primary_key": true},
{"name": "SOURCE_ID", "type": "string", "primary_key": true},
{"name": "POS", "type": "int", "primary_key": true},
{"name": "OP_TYPE", "type": ["string", "null"]},
{"name": "OP_IS", "type": ["string", "null"]},
{"name": "PRODUCT_ID", "type": ["int", "null"]},
{"name": "METHOD", "type": ["string", "null"]},
{"name": "DEVICE_ID", "type": ["int", "null"]},
{"name": "ORDER_ID", "type": ["int", "null"]},
{"name": "CREATED_DATE", "type": ["string", "null"]},
{"name": "WORK_ORDER_ID", "type": ["int", "null"]},
{"name": "ACTION_TAKEN", "type": ["string", "null"]},
{"name": "CATEGORY", "type": ["int", "null"]},
{"name": "PROBLEM_DESC", "type": ["string", "null"]},
{"name": "CREATED_BY_USER", "type": ["int", "null"]},
{"name": "ACTION_DATE", "type": ["string", "null"]},
{"name": "STATUS", "type": ["string", "null"]},
{"name": "ALLOCATED_TO_USER", "type": ["int", "null"]},
{"name": "ID", "type": ["int", "null"]}
]
}
[ggatek2vCS@rgmadbu1903 avromdp_uru]$

```

```
[ggatek2vCS@rgmadbu1903 avromdp_uru]$ more K2VIEW_CUSTOMER_LU.IBS_CREDIT_CARD.mdp.avsc
{"namespace": "K2VIEW_CUSTOMER_LU",
 "type": "record",
 "name": "IBS_CREDIT_CARD",
 "fields": [
   {"name": "FINANCIAL_ACCOUNT_ID", "type": "long", "primary_key": true},
   {"name": "SOURCE_ID", "type": "string", "primary_key": true},
   {"name": "POS", "type": "long", "primary_key": true},
   {"name": "OP_TYPE", "type": ["string", "null"]},
   {"name": "OP_TS", "type": ["string", "null"]},
   {"name": "ID", "type": ["int", "null"]},
   {"name": "CREDIT_CARD_NUMBER", "type": ["string", "null"]},
   {"name": "CUSTOMER_ID", "type": ["string", "null"]}
 ]
}
```

```
[ggatek2vCS@rgmadbu1903 avromdp_uru]$ more K2VIEW_CUSTOMER_LU.IBS_CUSTOMER.mdp.avsc
{"namespace": "K2VIEW_CUSTOMER_LU",
 "type": "record",
 "name": "IBS_CUSTOMER",
 "fields": [
   {"name": "ENTITY_ID", "type": "string", "primary_key": true},
   {"name": "ID", "type": ["int", "null"]},
   {"name": "SOURCE_ID", "type": "string", "primary_key": true},
   {"name": "POS", "type": "int", "primary_key": true},
   {"name": "OP_TYPE", "type": ["string", "null"]},
   {"name": "OP_TS", "type": ["string", "null"]},
   {"name": "TYPE_ID", "type": ["string", "null"]},
   {"name": "STATUS_ID", "type": ["string", "null"]},
   {"name": "CLASS_ID", "type": ["int", "null"]},
   {"name": "SEGMENTATION_ID", "type": ["int", "null"]},
   {"name": "CUSTOMER_SINCE", "type": ["string", "null"]},
   {"name": "EXEMPTION_CODE_ID", "type": ["string", "null"]},
   {"name": "EXEMPTION_SERIAL_NUMBER", "type": ["string", "null"]},
   {"name": "EXEMPTION_FROM", "type": ["string", "null"]},
   {"name": "REFERENCE_TYPE_ID", "type": ["int", "null"]},
   {"name": "INTERNET_PASSWORD_ENC", "type": ["string", "null"]},
   {"name": "INTERNET_PASSWORD_IV", "type": ["string", "null"]},
   {"name": "INTERNET_USER_NAME", "type": ["string", "null"]},
   {"name": "LANGUAGE_ID", "type": ["string", "null"]},
   {"name": "BUSINESS_UNIT_ID", "type": ["int", "null"]},
   {"name": "MAGAZINES", "type": ["string", "null"]},
   {"name": "IDENTIFICATION_ID", "type": ["string", "null"]},
   {"name": "BIRTH_DATE", "type": ["string", "null"]},
   {"name": "FISCAL_NUMBER", "type": ["string", "null"]}
 ]
}
```

```
[ggatek2vCS@rgmadbu1903 avromdp_uru]$ more K2VIEW_CUSTOMER_LU.IBS_CUSTOM_FIELD_VALUE.mdp.avsc
{"namespace": "K2VIEW_CUSTOMER_LU",
 "type": "record",
 "name": "IBS_CUSTOM_FIELD_VALUE",
 "fields": [
   {"name": "SOURCE_ID", "type": "string", "primary_key": true},
   {"name": "INSTANCE_ID", "type": "int", "primary_key": true},
   {"name": "POS", "type": "int", "primary_key": true},
   {"name": "OP_TYPE", "type": ["string", "null"]},
   {"name": "OP_TS", "type": ["string", "null"]},
   {"name": "CUSTOM_FIELD_ENTITY_ID", "type": ["int", "null"]},
   {"name": "VALUE", "type": ["string", "null"]},
   {"name": "ID", "type": ["int", "null"]}
 ]
}
```

```

    {"name": "ENTITY_METADATA_ID", "type": ["float", "null"]}
  }
}
[ggatek2vCS@rgmadbu1903 avromdp_uru]$

```

```

[ggatek2vCS@rgmadbu1903 avromdp_uru]$ more K2VIEW_CUSTOMER_LU.IBS_DEVICE_AGREEMENT_DETAIL.mdp.avsc
{"namespace": "K2VIEW_CUSTOMER_LU",
 "type": "record",
 "name": "IBS_DEVICE_AGREEMENT_DETAIL",
 "fields": [
   {"name": "CUSTOMER_ID", "type": "int", "primary_key": true},
   {"name": "SOURCE_ID", "type": "string", "primary_key": true},
   {"name": "POS", "type": "int", "primary_key": true},
   {"name": "OP_TYPE", "type": ["string", "null"]},
   {"name": "OP_IS", "type": ["string", "null"]},
   {"name": "ID", "type": ["int", "null"]},
   {"name": "AGREEMENT_DETAIL_ID", "type": ["int", "null"]},
   {"name": "DEVICE_ID", "type": ["int", "null"]},
   {"name": "DEVICE_LINK_DATE", "type": ["string", "null"]},
   {"name": "SERIAL_NUMBER", "type": ["string", "null"]},
   {"name": "MODEL_ID", "type": ["int", "null"]},
   {"name": "CA_REFERENCE_NUMBER", "type": ["int", "null"]},
   {"name": "MAC_ADDRESS1", "type": ["string", "null"]}
 ]
}
[ggatek2vCS@rgmadbu1903 avromdp_uru]$

```

```

[ggatek2vCS@rgmadbu1903 avromdp_uru]$ more K2VIEW_CUSTOMER_LU.IBS_FINANCIAL_ACCOUNT.mdp.avsc
{"namespace": "K2VIEW_CUSTOMER_LU",
 "type": "record",
 "name": "IBS_FINANCIAL_ACCOUNT",
 "fields": [
   {"name": "CUSTOMER_ID", "type": "int", "primary_key": true},
   {"name": "SOURCE_ID", "type": "string", "primary_key": true},
   {"name": "POS", "type": "int", "primary_key": true},
   {"name": "OP_TYPE", "type": ["string", "null"]},
   {"name": "OP_IS", "type": ["string", "null"]},
   {"name": "NAME", "type": ["string", "null"]},
   {"name": "STATUS_ID", "type": ["string", "null"]},
   {"name": "TYPE_ID", "type": ["string", "null"]},
   {"name": "BALANCE", "type": ["float", "null"]},
   {"name": "INVOICE_DELIVERY_METHOD_ID", "type": ["int", "null"]},
   {"name": "CURRENCY_ID", "type": ["int", "null"]},
   {"name": "DUNNING_LEVEL_ID", "type": ["int", "null"]},
   {"name": "INVOICING_PROFILE_ID", "type": ["int", "null"]},
   {"name": "LAST_INVOICED_AMOUNT", "type": ["float", "null"]},
   {"name": "LAST_INVOICED_DATE", "type": ["string", "null"]},
   {"name": "PARENT_FINANCIAL_ACCOUNT_ID", "type": ["int", "null"]},
   {"name": "PREPAID_DISCONNECT_DATE", "type": ["string", "null"]},
   {"name": "MOP_ID", "type": ["string", "null"]},
   {"name": "IS_DEFAULT", "type": ["int", "null"]},
   {"name": "PROXY_CODE_ID", "type": ["string", "null"]},
   {"name": "NOT_YET_APPLIED", "type": ["float", "null"]},
   {"name": "NOT_YET_INVOICED_PLUS", "type": ["float", "null"]},
   {"name": "NOT_YET_INVOICED_MINUS", "type": ["float", "null"]},
   {"name": "HAS_BEEN_APPLIED", "type": ["float", "null"]},
   {"name": "ID", "type": ["int", "null"]}
 ]
}
[ggatek2vCS@rgmadbu1903 avromdp_uru]$

```

```

[ggatek2vCS@rgmadbu1903 avromdp_uru]$ more K2VIEW_CUSTOMER_LU.IBS_INVOICE.mdp.avsc
{"namespace": "K2VIEW_CUSTOMER_LU",

```



```
"type": "record",
"name": "IBS_INVOICE",
"fields": [
  {"name": "CUSTOMER_ID", "type": "int", "primary_key": true},
  {"name": "SOURCE_ID", "type": "int", "primary_key": true},
  {"name": "POS", "type": "int", "primary_key": true},
  {"name": "OP_TYPE", "type": ["string", "null"]},
  {"name": "OP_TS", "type": ["string", "null"]},
  {"name": "FINANCIAL_ACCOUNT_ID", "type": ["int", "null"]},
  {"name": "AMOUNT_PAID", "type": ["float", "null"]},
  {"name": "CREATE_DATE", "type": ["string", "null"]},
  {"name": "DUE_DATE", "type": ["string", "null"]},
  {"name": "INVOICE_DATE", "type": ["string", "null"]},
  {"name": "INVOICE_NUMBER", "type": ["int", "null"]},
  {"name": "STATUS_ID", "type": ["string", "null"]},
  {"name": "INVOICE_TEXT", "type": ["string", "null"]},
  {"name": "MOP_ID", "type": ["string", "null"]},
  {"name": "TOTAL_AMOUNT", "type": ["float", "null"]},
  {"name": "ID", "type": ["int", "null"]},
  {"name": "BALANCE", "type": ["float", "null"]},
  {"name": "IS_PENDING", "type": ["int", "null"]},
  {"name": "DIAS", "type": ["int", "null"]},
  {"name": "BALANCE_BROUGHT_FORWARD", "type": ["float", "null"]}
]
}
[ggatek2vCS@rgmadbu1903 avromdp_uru]$
```

```
[ggatek2vCS@rgmadbu1903 avromdp_uru]$ more K2VIEW_CUSTOMER_LU.IBS_KEYWORD.mdp.avsc
{"namespace": "K2VIEW_CUSTOMER_LU",
"type": "record",
"name": "IBS_KEYWORD",
"fields": [
  {"name": "CUSTOMER_ID", "type": "int", "primary_key": true},
  {"name": "SOURCE_ID", "type": "string", "primary_key": true},
  {"name": "POS", "type": "int", "primary_key": true},
  {"name": "OP_TYPE", "type": ["string", "null"]},
  {"name": "OP_TS", "type": ["string", "null"]},
  {"name": "ID", "type": ["int", "null"]},
  {"name": "ATTRIBUTE", "type": ["string", "null"]},
  {"name": "COUNT_VALUE", "type": ["int", "null"]},
  {"name": "ALLOWED_KEYWORD_ID", "type": ["int", "null"]},
  {"name": "KEYTYPES_ID", "type": ["int", "null"]},
  {"name": "DATE_VALUE", "type": ["string", "null"]}
]
}
[ggatek2vCS@rgmadbu1903 avromdp_uru]$
```

```
[ggatek2vCS@rgmadbu1903 avromdp_uru]$ more K2VIEW_CUSTOMER_LU.IBS_OFFER.mdp.avsc
{"namespace": "K2VIEW_CUSTOMER_LU",
"type": "record",
"name": "IBS_OFFER",
"fields": [
  {"name": "CUSTOMER_ID", "type": "int", "primary_key": true},
  {"name": "SOURCE_ID", "type": "string", "primary_key": true},
  {"name": "POS", "type": "int", "primary_key": true},
  {"name": "OP_TYPE", "type": ["string", "null"]},
  {"name": "OP_TS", "type": ["string", "null"]},
  {"name": "START_DATE", "type": ["string", "null"]},
  {"name": "END_DATE", "type": ["string", "null"]},
  {"name": "ACTIVE", "type": ["int", "null"]},
  {"name": "OFFER_DEFINITION_ID", "type": ["int", "null"]},
  {"name": "ID", "type": ["int", "null"]},
  {"name": "FINANCIAL_ACCOUNT_ID", "type": ["int", "null"]},
  {"name": "AGREEMENT_ID", "type": ["int", "null"]},
  {"name": "AGREEMENT_DETAIL_ID", "type": ["int", "null"]}
]
}
```

```
    {"name": "IS_ACTIVE", "type": ["string", "null"]}
  ]
}
```

```
[ggatek2vCS@rgmadbu1903 avromdp_uru]$ more K2VIEW_CUSTOMER_LU.IBS_ORDERED_EVENT.mdp.avsc
{"namespace": "K2VIEW_CUSTOMER_LU",
 "type": "record",
 "name": "IBS_ORDERED_EVENT",
 "fields": [
   {"name": "CUSTOMER_ID", "type": "int", "primary_key": true},
   {"name": "SOURCE_ID", "type": "string", "primary_key": true},
   {"name": "POS", "type": "int", "primary_key": true},
   {"name": "OP_TYPE", "type": ["string", "null"]},
   {"name": "OP_TS", "type": ["string", "null"]},
   {"name": "ORDERED_DATE", "type": ["string", "null"]},
   {"name": "EVENT_TITLE_ID", "type": ["int", "null"]},
   {"name": "ID", "type": ["int", "null"]},
   {"name": "DEVICE_ID", "type": ["int", "null"]},
   {"name": "EVENT_SCHEDULE_ID", "type": ["int", "null"]},
   {"name": "SALES_CHANNEL_ID", "type": ["int", "null"]},
   {"name": "DEVICE_AGREEMENT_DETAIL_ID", "type": ["int", "null"]},
   {"name": "FINANCIAL_ACCOUNT_ID", "type": ["int", "null"]},
   {"name": "EVENT_START_DATETIME", "type": ["string", "null"]},
   {"name": "SLOT_NUMBER", "type": ["string", "null"]},
   {"name": "STATUS", "type": ["int", "null"]},
   {"name": "CHANNEL_ID", "type": ["int", "null"]},
   {"name": "ON_DEMAND", "type": ["int", "null"]}
 ]
}
[ggatek2vCS@rgmadbu1903 avromdp_uru]$
```

```
[ggatek2vCS@rgmadbu1903 avromdp_uru]$ more K2VIEW_CUSTOMER_LU.IBS_SUHISTOR.mdp.avsc
{"namespace": "K2VIEW_CUSTOMER_LU",
 "type": "record",
 "name": "IBS_SUHISTOR",
 "fields": [
   {"name": "SHSUBSCRIBERNR", "type": "int", "primary_key": true},
   {"name": "SOURCE_ID", "type": "string", "primary_key": true},
   {"name": "POS", "type": "int", "primary_key": true},
   {"name": "OP_TYPE", "type": ["string", "null"]},
   {"name": "OP_TS", "type": ["string", "null"]},
   {"name": "ENTITY_KEY", "type": ["int", "null"]},
   {"name": "SHEVENTNR", "type": ["int", "null"]},
   {"name": "ENTITY_ID", "type": ["int", "null"]},
   {"name": "SHUSERNR", "type": ["long", "null"]},
   {"name": "CREATE_DATETIME", "type": ["string", "null"]},
   {"name": "EXTERNAL_AGENT_ID", "type": ["int", "null"]},
   {"name": "SHSHNR", "type": ["long", "null"]},
   {"name": "SHREASON", "type": ["int", "null"]},
   {"name": "SHPRODUCTNR", "type": ["int", "null"]},
   {"name": "REAL_DATE", "type": ["string", "null"]},
   {"name": "REQUESTED_BY_TYPE_ID", "type": ["int", "null"]},
   {"name": "REQUESTED_BY_ENTITY_ID", "type": ["int", "null"]},
   {"name": "TRANSACTION_ID", "type": ["int", "null"]}
 ]
}
[ggatek2vCS@rgmadbu1903 avromdp_uru]$
```

```
[ggatek2vCS@rgmadbu1903 avromdp_uru]$ more K2VIEW_CUSTOMER_LU.IBS_WORK_ORDER.mdp.avsc
{"namespace": "K2VIEW_CUSTOMER_LU",
 "type": "record",
 "name": "IBS_WORK_ORDER",
 "fields": [
   {"name": "CUSTOMER_ID", "type": "int", "primary_key": true},
```

```
{
  "name": "SOURCE_ID", "type": "string", "primary_key": true},
  "name": "POS", "type": "int", "primary_key": true},
  "name": "OP_TYPE", "type": ["string", "null"]},
  "name": "OP_TS", "type": ["string", "null"]},
  "name": "ACTION_TAKEN", "type": ["string", "null"]},
  "name": "PROBLEM_DESCRIPTION", "type": ["string", "null"]},
  "name": "SERVICE_DATE_TIME", "type": ["string", "null"]},
  "name": "COMPLETED_DATE_TIME", "type": ["string", "null"]},
  "name": "ADDRESS_ID", "type": ["int", "null"]},
  "name": "WORK_ORDER_STATUS_ID", "type": ["int", "null"]},
  "name": "AGREEMENT_ID", "type": ["int", "null"]},
  "name": "SERVICE_TYPE_ID", "type": ["int", "null"]},
  "name": "EXPIRATION_DATE", "type": ["string", "null"]},
  "name": "SERVICE_PROVIDER_ID", "type": ["int", "null"]},
  "name": "CUSTOMER_ORDER_ID", "type": ["int", "null"]},
  "name": "STOCKHANDLER_ID", "type": ["int", "null"]},
  "name": "ACTUAL_HOURS", "type": ["float", "null"]},
  "name": "ID", "type": ["int", "null"]},
  "name": "REGISTERED_DATE_TIME", "type": ["string", "null"]}
}
[ggatek2vCS@rgmadbu1903 avromdp_uru]$
```

```
[ggatek2vCS@rgmadbu1903 avromdp_uru]$ more K2VIEW_CUSTOMER_LU.IBS_WORK_ORDER_SERVICE.mdp.avsc
{"namespace": "K2VIEW_CUSTOMER_LU",
 "type": "record",
 "name": "IBS_WORK_ORDER_SERVICE",
 "fields": [
  {"name": "CUSTOMER_ID", "type": "string", "primary_key": true},
  {"name": "SOURCE_ID", "type": "string", "primary_key": true},
  {"name": "POS", "type": "int", "primary_key": true},
  {"name": "OP_TYPE", "type": ["string", "null"]},
  {"name": "OP_TS", "type": ["string", "null"]},
  {"name": "ID", "type": ["int", "null"]},
  {"name": "SERVICE_ID", "type": ["int", "null"]},
  {"name": "DEVICE_ID", "type": ["int", "null"]},
  {"name": "PRODUCT_ID", "type": ["int", "null"]},
  {"name": "HARDWARE_MODEL_ID", "type": ["int", "null"]},
  {"name": "ACTION_TAKEN", "type": ["string", "null"]},
  {"name": "PROBLEM_DESCRIPTION", "type": ["string", "null"]},
  {"name": "QUANTITY", "type": ["int", "null"]},
  {"name": "SERIAL_NUMBER", "type": ["string", "null"]},
  {"name": "WORK_ORDER_ID", "type": ["int", "null"]}
]
}
[ggatek2vCS@rgmadbu1903 avromdp_uru]$
```

```
[ggatek2vCS@rgmadbu1903 avromdp_uru]$ more K2VIEW_CUSTOMER_LU.SYNC_ON_FLY.mdp.avsc
{"namespace": "K2VIEW_CUSTOMER_LU",
 "type": "record",
 "name": "SYNC_ON_FLY",
 "fields": [
  {"name": "SOURCE_ID", "type": "string", "primary_key": true},
  {"name": "ENTITY_ID", "type": "string", "primary_key": true},
  {"name": "FORCE_SYNC", "type": ["string", "null"]},
  {"name": "TABLE_NAME", "type": ["string", "null"]},
  {"name": "OP_TS", "type": ["string", "null"]}
]
}
[ggatek2vCS@rgmadbu1903 avromdp_uru]$
```