Introduction of WCC tables

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ON DEMAND BUSINESS™

Models

- **1 - Logical Data Model for BO**
  - Provides all necessary tables for **business objects** linked to CDI:
    - Party, Contract, Relationships, etc.
- **2 - Data Model for WCC features**
  - Versioning
  - Security Access (Rules of Visibility)
  - External rules
  - Other Internal features

DB2

DM

Versioning Tables	External Rules

Rules of Visivility Tables

WCC Application

Transactions

GUI, Other applications…
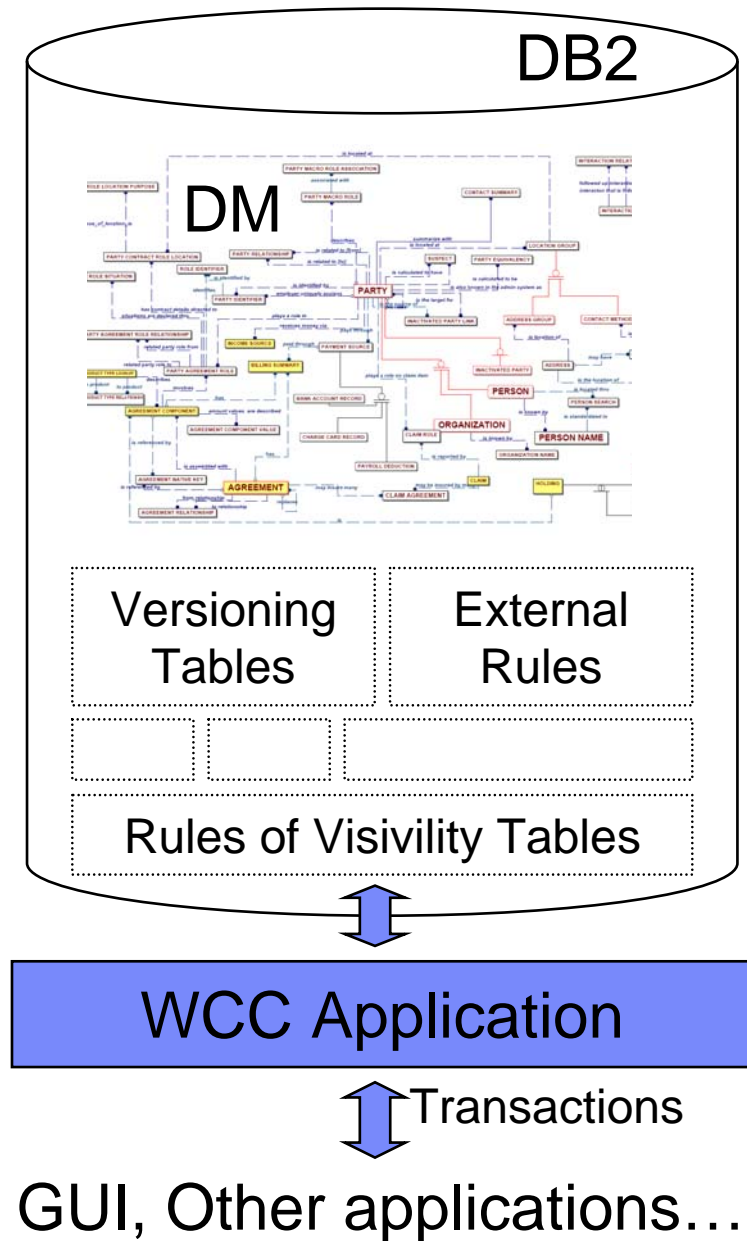
Brief Introduction to Core Data Model of WCC

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WCC Data Model

- **Entity**

- **Relationship → entity**

- **Type code**

Entity Data Model of WCC
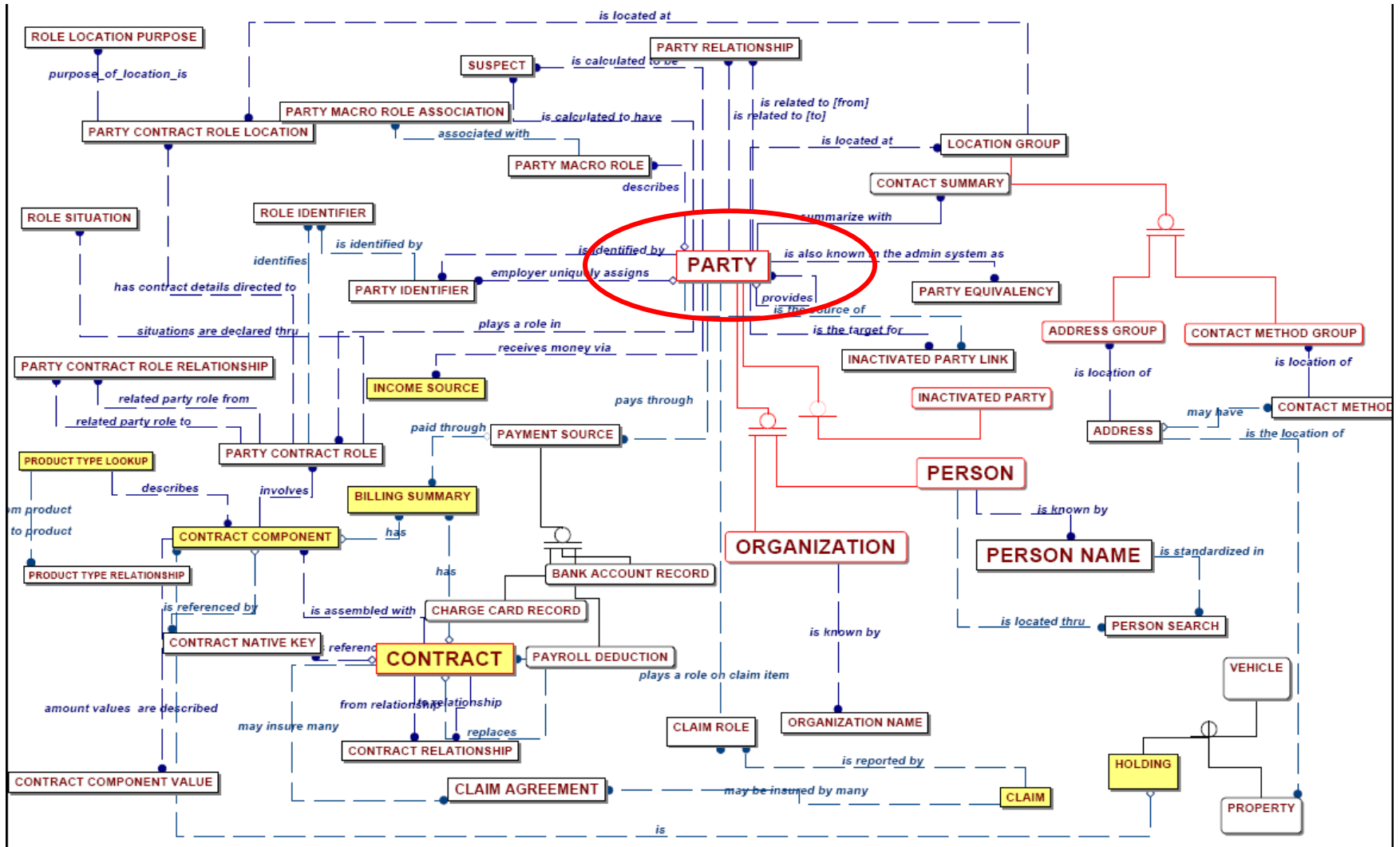
Party

Primary key in red
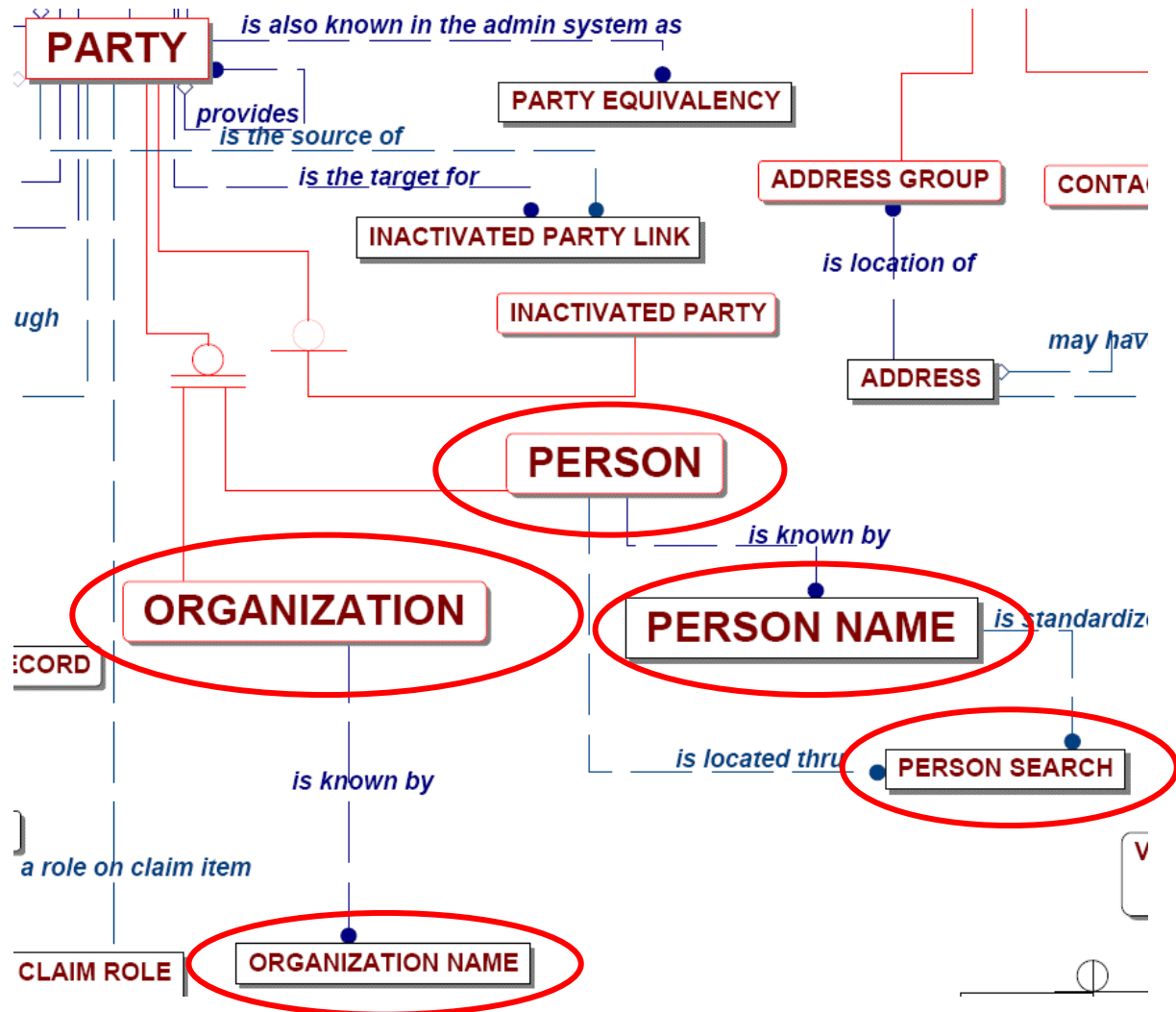
Update track in blue

Foreign key in green

Type code in pink

Common attr. in black

Name	Datatype	Null Option	Is PK
cont_id	BIGINT	NOT NULL	Yes
acce_comp_tp_cd	BIGINT	NULL	No
pref_lang_tp_cd	BIGINT	NULL	No
created_dt	TIMESTAMP	NOT NULL	No
contact_name	VARCHAR(255)	NULL	No
inactivated_dt	TIMESTAMP	NULL	No
person_org_code	CHAR(1)	NOT NULL	No
solicit_ind	CHAR(1)	NULL	No
confidential_ind	CHAR(1)	NULL	No
client_imp_tp_cd	BIGINT	NULL	No
client_st_tp_cd	BIGINT	NULL	No
client_poten_tp_cd	BIGINT	NULL	No
rpting_freq_tp_cd	BIGINT	NULL	No
last_statement_dt	TIMESTAMP	NULL	No
alert_ind	CHAR(1)	NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
provided_by_cont	BIGINT	NULL	No
last_update_user	VARCHAR(20)	NULL	No
last_update_tx_id	BIGINT	NULL	No
do_not_delete_ind	CHAR(1)	NULL	No
source_ident_tp_cd	BIGINT	NULL	No
last_used_dt	TIMESTAMP	NULL	No
last_verified_dt	TIMESTAMP	NULL	No

Party Description

- **Parties Consist of Persons and Orgs**

- **Parties Can Be Inactivated**

- **Parties Can be Associated Each Other**

- **Parties Can Play Different Roles**

- **Parties Can be Located**

- **Parties Can Pay and Receive Money**

- **Parties Can Be Summarized**

- **Contracts**

- **Parties Can Have Different Associations with Contracts**

Parties Consist of Persons and Orgs

Org

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
cont_id	BIGINT	NOT NULL	Yes
org_tp_cd	BIGINT	NOT NULL	No
industry_tp_cd	BIGINT	NULL	No
established_dt	TIMESTAMP	NULL	No
buy_sell_agr_tp_cd	BIGINT	NULL	No
profit_ind	CHAR(1)	NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No
last_update_tx_id	BIGINT	NULL	No

Person

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
cont_id	BIGINT	NOT NULL	Yes
marital_st_tp_cd	BIGINT	NULL	No
birthplace_tp_cd	BIGINT	NULL	No
citizenship_tp_cd	BIGINT	NULL	No
highest_edu_tp_cd	BIGINT	NULL	No
age_ver_doc_tp_cd	BIGINT	NULL	No
gender_tp_code	CHAR(1)	NULL	No
birth_dt	TIMESTAMP	NULL	No
deceased_dt	TIMESTAMP	NULL	No
children_ct	SMALLINT	NULL	No
disab_start_dt	TIMESTAMP	NULL	No
disab_end_dt	TIMESTAMP	NULL	No
user_ind	CHAR(1)	NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No
last_update_tx_id	BIGINT	NULL	No

Org Name

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
org_name_id	BIGINT	NOT NULL	Yes
org_name_tp_cd	BIGINT	NOT NULL	No
cont_id	BIGINT	NOT NULL	No
org_name	VARCHAR(255)	NOT NULL	No
s_org_name	VARCHAR(255)	NULL	No
name_search_key	VARCHAR(30)	NULL	No
start_dt	TIMESTAMP	NOT NULL	No
end_dt	TIMESTAMP	NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No
last_update_tx_id	BIGINT	NULL	No
last_used_dt	TIMESTAMP	NULL	No
last_verified_dt	TIMESTAMP	NULL	No
source_ident_tp_cd	BIGINT	NULL	No

Person Name

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
person_name_id	BIGINT	NOT NULL	Yes
prefix_name_tp_cd	BIGINT	NULL	No
prefix_desc	VARCHAR(20)	NULL	No
name_usage_tp_cd	BIGINT	NOT NULL	No
given_name_one	VARCHAR(25)	NULL	No
given_name_two	VARCHAR(25)	NULL	No
given_name_three	VARCHAR(25)	NULL	No
given_name_four	VARCHAR(25)	NULL	No
last_name	VARCHAR(30)	NOT NULL	No
generation_tp_cd	BIGINT	NULL	No
suffix_desc	VARCHAR(20)	NULL	No
start_dt	TIMESTAMP	NOT NULL	No
end_dt	TIMESTAMP	NULL	No
cont_id	BIGINT	NOT NULL	No
use_standard_ind	CHAR(1)	NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No
last_update_tx_id	BIGINT	NULL	No
last_used_dt	TIMESTAMP	NULL	No
last_verified_dt	TIMESTAMP	NULL	No
source_ident_tp_cd	BIGINT	NULL	No

Person Search

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
person_search_id	BIGINT	NOT NULL	Yes
person_name_id	BIGINT	NOT NULL	No
cont_id	BIGINT	NOT NULL	No
given_name_one	VARCHAR(25)	NULL	No
given_name_two	VARCHAR(25)	NULL	No
given_name_three	VARCHAR(25)	NULL	No
given_name_four	VARCHAR(25)	NULL	No
last_name	VARCHAR(30)	NOT NULL	No
end_dt	TIMESTAMP	NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No
last_update_tx_id	BIGINT	NULL	No

Parties Can Be Inactivated
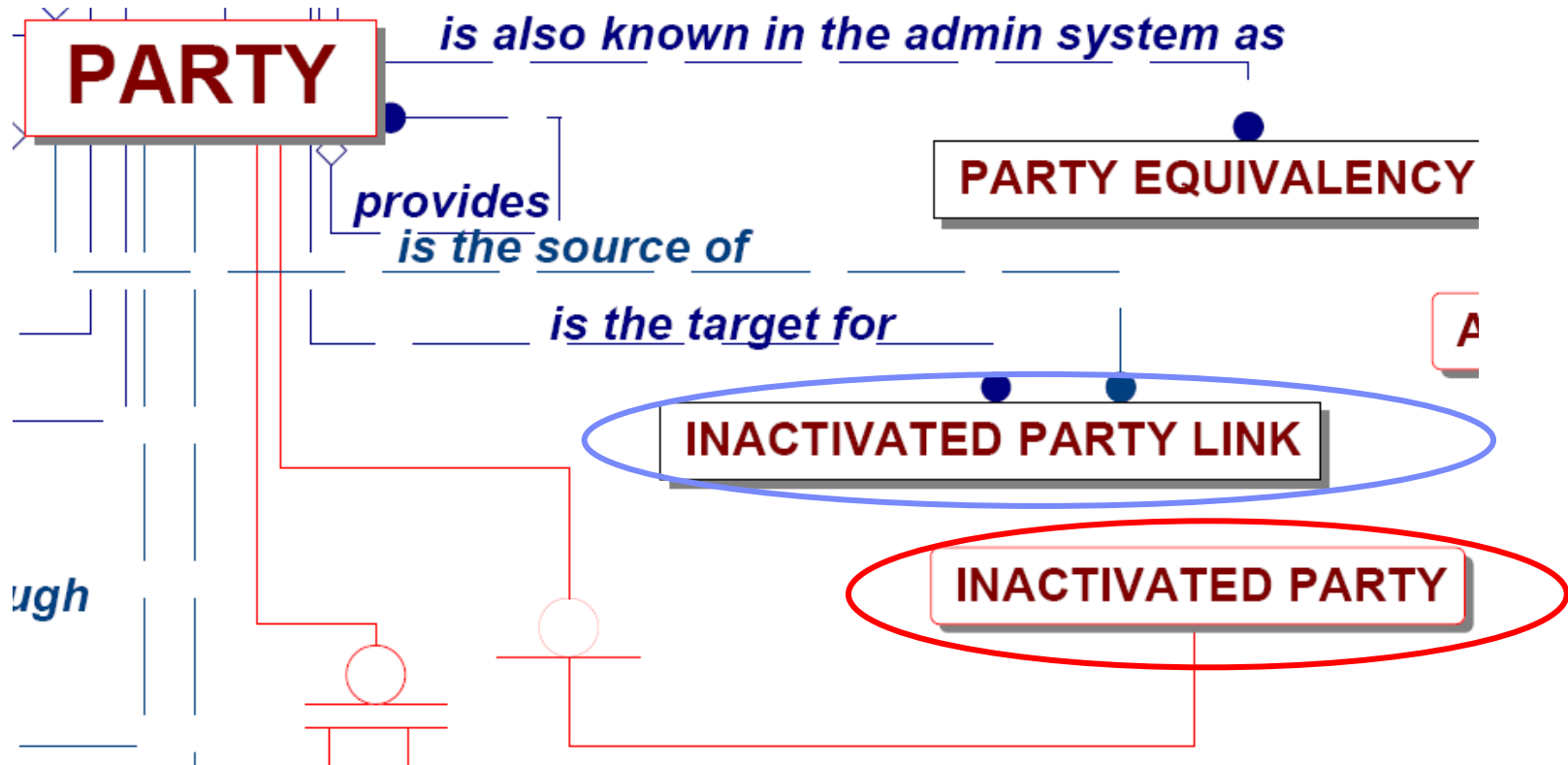
Inactivated Party

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
cont_id	BIGINT	NOT NULL	Yes
inact_by_user	VARCHAR(20)	NULL	No
inact_reason_tp_cd	BIGINT	NOT NULL	No
comments	VARCHAR(255)	NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No
last_update_tx_id	BIGINT	NULL	No

IBM

Inactivated Party Link

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
inact_cont_link_id	BIGINT	NOT NULL	Yes
link_reason_tp_cd	BIGINT	NOT NULL	No
target_cont_id	BIGINT	NOT NULL	No
source_cont_id	BIGINT	NOT NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No
last_update_tx_id	BIGINT	NULL	No

Parties Can be Associated Each Other
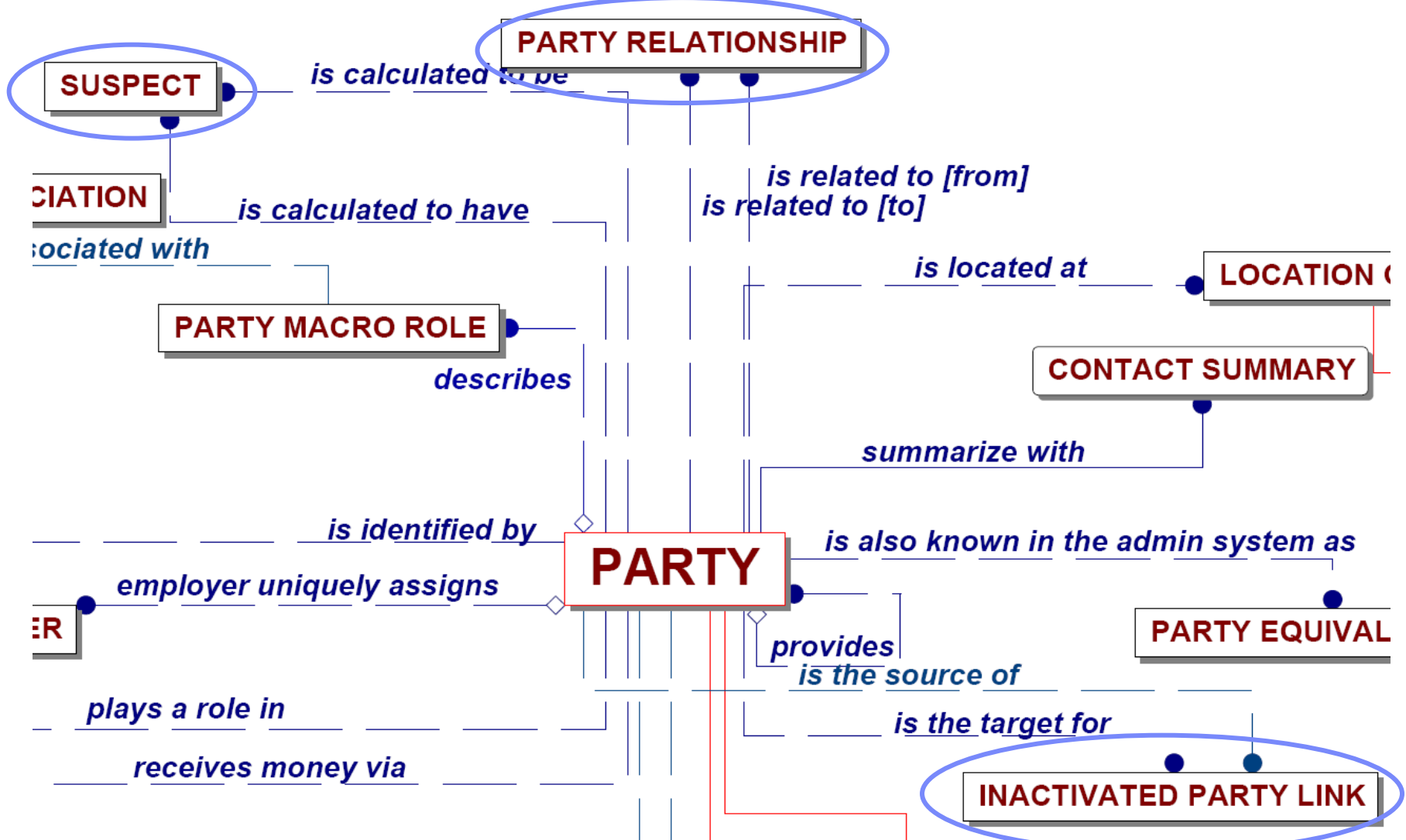
Party Relationship

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
cont_rel_id	BIGINT	NOT NULL	Yes
rel_tp_cd	BIGINT	NOT NULL	No
rel_desc	VARCHAR(255)	NULL	No
start_dt	TIMESTAMP	NOT NULL	No
end_dt	TIMESTAMP	NULL	No
to_cont_id	BIGINT	NOT NULL	No
from_cont_id	BIGINT	NOT NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No
rel_assign_tp_cd	BIGINT	NULL	No
last_update_tx_id	BIGINT	NULL	No
end_reason_tp_cd	BIGINT	NULL	No

Suspect

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
suspect_id	BIGINT	NOT NULL	Yes
cont_id	BIGINT	NOT NULL	No
suspect_cont_id	BIGINT	NOT NULL	No
susp_st_tp_cd	BIGINT	NOT NULL	No
source_tp_cd	BIGINT	NOT NULL	No
susp_reason_tp_cd	BIGINT	NULL	No
match_relev_tp_cd	BIGINT	NULL	No
adj_action_code	CHAR(2)	NULL	No
adj_action_tp_cd	BIGINT	NULL	No
created_by	VARCHAR(20)	NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No
last_update_tx_id	BIGINT	NULL	No

Parties Can Play Different Roles
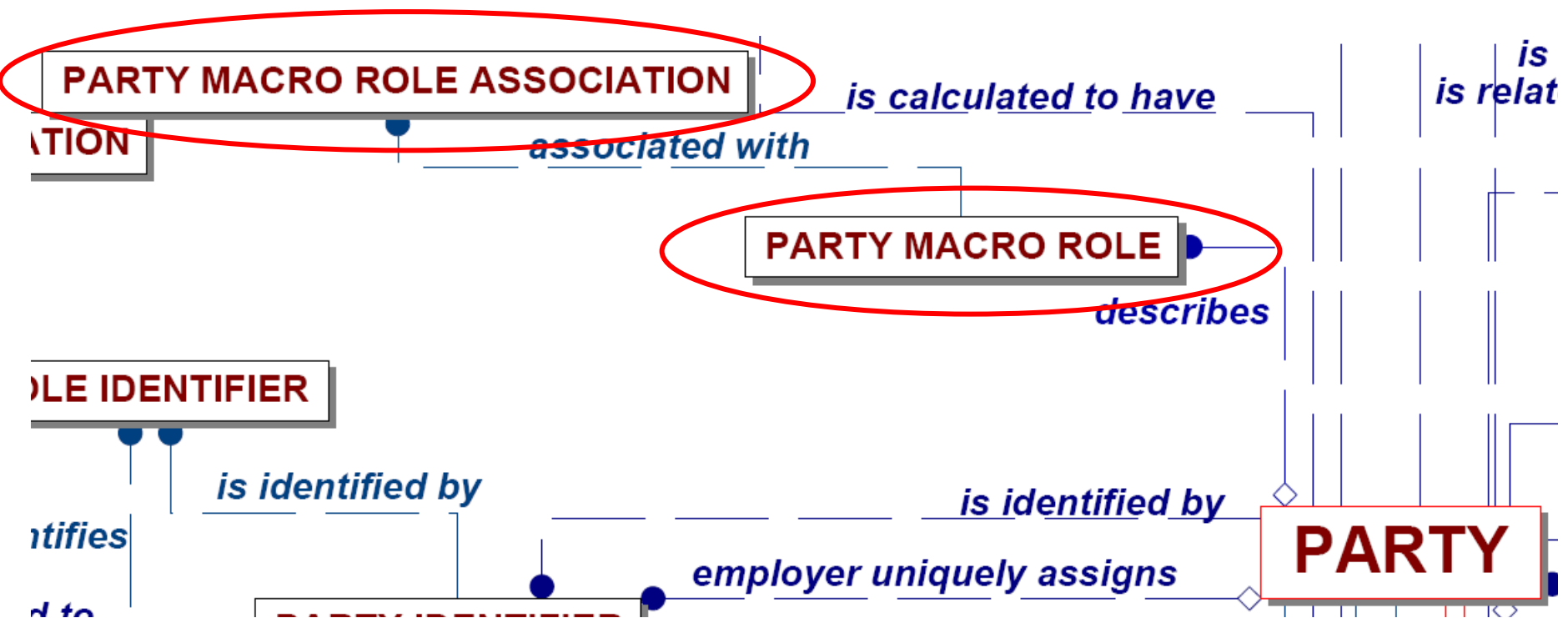
Party Macro Role

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
cont_macro_role_id	BIGINT	NOT NULL	Yes
cont_id	BIGINT	NOT NULL	No
role_tp_cd	BIGINT	NOT NULL	No
start_dt	TIMESTAMP	NOT NULL	No
end_dt	TIMESTAMP	NULL	No
description	VARCHAR(255)	NULL	No
end_reason_tp_cd	BIGINT	NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No
last_update_tx_id	BIGINT	NULL	No

Party Macro Role Association

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
macrorole_assoc_id	BIGINT	NOT NULL	Yes
cont_macro_role_id	BIGINT	NOT NULL	No
entity_name	VARCHAR(30)	NOT NULL	No
instance_pk	BIGINT	NULL	No
start_dt	TIMESTAMP	NOT NULL	No
end_dt	TIMESTAMP	NULL	No
end_reason_tp_cd	BIGINT	NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No
last_update_tx_id	BIGINT	NULL	No

Parties Can be Located
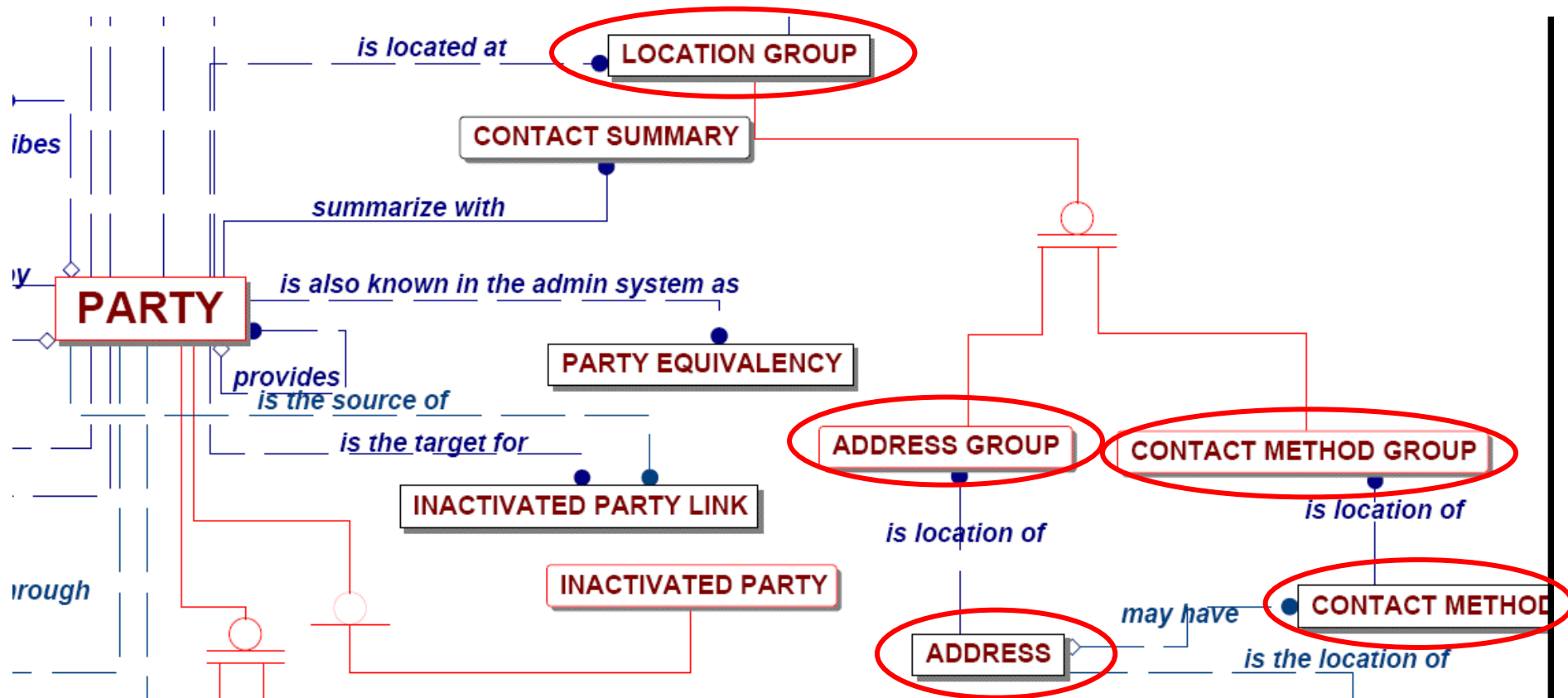
Location Group

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
location_group_id	BIGINT	NOT NULL	Yes
undel_reason_tp_cd	BIGINT	NULL	No
cont_id	BIGINT	NOT NULL	No
member_ind	CHAR(1)	NULL	No
preferred_ind	CHAR(1)	NULL	No
solicit_ind	CHAR(1)	NULL	No
loc_group_tp_code	CHAR(1)	NOT NULL	No
effect_start_mmdd	SMALLINT	NULL	No
effect_end_mmdd	SMALLINT	NULL	No
effect_start_tm	INTEGER	NULL	No
effect_end_tm	INTEGER	NULL	No
start_dt	TIMESTAMP	NOT NULL	No
end_dt	TIMESTAMP	NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No
last_update_tx_id	BIGINT	NULL	No
last_used_dt	TIMESTAMP	NULL	No
last_verified_dt	TIMESTAMP	NULL	No
source_ident_tp_cd	BIGINT	NULL	No

Address Group

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
location_group_id	BIGINT	NOT NULL	Yes
address_id	BIGINT	NOT NULL	No
care_of_desc	VARCHAR(50)	NULL	No
addr_usage_tp_cd	BIGINT	NOT NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No
last_update_tx_id	BIGINT	NULL	No

Address

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
address_id	BIGINT	NOT NULL	Yes
country_tp_cd	BIGINT	NULL	No
residence_tp_cd	BIGINT	NULL	No
prov_state_tp_cd	BIGINT	NULL	No
addr_line_one	VARCHAR(50)	NOT NULL	No
p_addr_line_one	CHAR(8)	NULL	No
addr_line_two	VARCHAR(50)	NULL	No
p_addr_line_two	CHAR(8)	NULL	No
addr_line_three	VARCHAR(50)	NULL	No
p_addr_line_three	CHAR(8)	NULL	No
city_name	VARCHAR(50)	NOT NULL	No
postal_code	VARCHAR(20)	NULL	No
addr_standard_ind	CHAR(1)	NULL	No
override_ind	CHAR(1)	NULL	No
residence_num	VARCHAR(10)	NULL	No
county_code	CHAR(3)	NULL	No
latitude_degrees	VARCHAR(10)	NULL	No
longitude_degrees	VARCHAR(10)	NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No
last_update_tx_id	BIGINT	NULL	No
postal_barcode	VARCHAR(30)	NULL	No

Contact Method Group

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
location_group_id	BIGINT	NOT NULL	Yes
contact_method_id	BIGINT	NOT NULL	No
cont_meth_tp_cd	BIGINT	NOT NULL	No
method_st_tp_cd	BIGINT	NULL	No
attach_allow_ind	CHAR(1)	NULL	No
text_only_ind	CHAR(1)	NULL	No
message_size	VARCHAR(20)	NULL	No
comment_desc	VARCHAR(100)	NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No
last_update_tx_id	BIGINT	NULL	No

Contact Method

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
contact_method_id	BIGINT	NOT NULL	Yes
cont_meth_cat_cd	BIGINT	NOT NULL	No
address_id	BIGINT	NULL	No
ref_num	VARCHAR(255)	NOT NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No
last_update_tx_id	BIGINT	NULL	No

Parties Can Pay and Receive Money
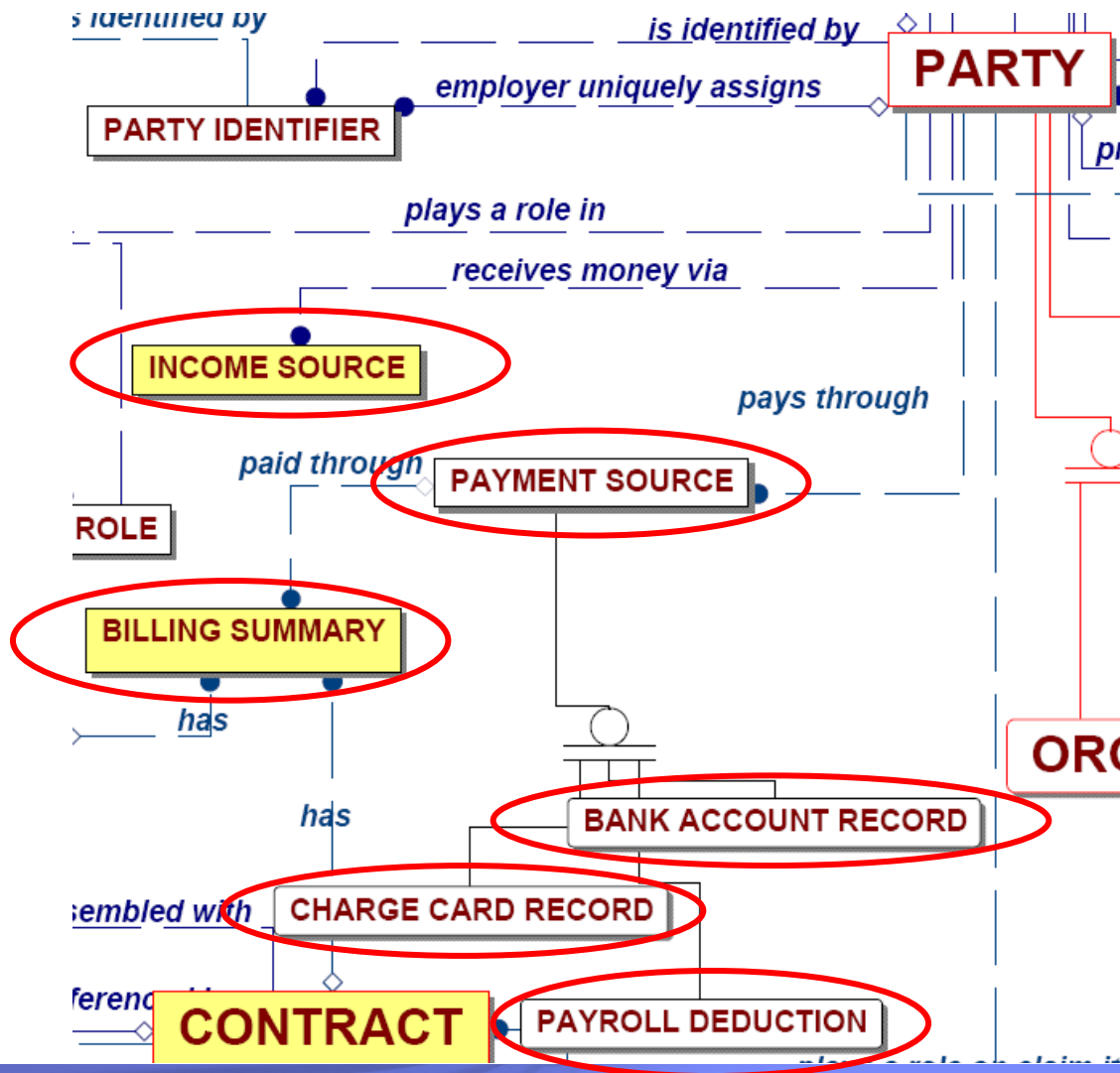
Income Source

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
income_source_id	BIGINT	NOT NULL	Yes
currency_tp_cd	BIGINT	NULL	No
cont_id	BIGINT	NOT NULL	No
income_src_tp_cd	BIGINT	NULL	No
income_source_desc	VARCHAR(255)	NULL	No
annual_amt	DECIMAL(17,3)	NOT NULL	No
invest_exper_yrs	SMALLINT	NULL	No
info_obtained_dt	TIMESTAMP	NOT NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No
last_update_tx_id	BIGINT	NULL	No

Payment Source

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
payment_source_id	BIGINT	NOT NULL	Yes
payment_src_code	CHAR(1)	NOT NULL	No
start_dt	TIMESTAMP	NOT NULL	No
end_dt	TIMESTAMP	NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No
last_update_tx_id	BIGINT	NULL	No
cont_id	BIGINT	NOT NULL	No

Bank Account Record

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
payment_source_id	BIGINT	NOT NULL	Yes
acct_tp_cd	BIGINT	NOT NULL	No
acct_num	VARCHAR(30)	NOT NULL	No
recorded_open_dt	TIMESTAMP	NULL	No
recorded_closed_dt	TIMESTAMP	NULL	No
branch_num	VARCHAR(10)	NOT NULL	No
bank_num	VARCHAR(10)	NOT NULL	No
depositor_name	VARCHAR(255)	NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No
last_update_tx_id	BIGINT	NULL	No

Charge Card Record

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
payment_source_id	BIGINT	NOT NULL	Yes
charge_card_tp_cd	BIGINT	NOT NULL	No
charge_card_num	VARCHAR(30)	NOT NULL	No
expiry_dt	TIMESTAMP	NOT NULL	No
on_card_name	VARCHAR(100)	NULL	No
bank_num	VARCHAR(10)	NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No
last_update_tx_id	BIGINT	NULL	No

Payroll Deduction

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
payment_source_id	BIGINT	NOT NULL	Yes
employer_name	VARCHAR(255)	NOT NULL	No
payroll_no	VARCHAR(50)	NOT NULL	No
description	VARCHAR(255)	NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No
last_update_tx_id	BIGINT	NULL	No

Billing Summary

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
billing_summary_id	BIGINT	NOT NULL	Yes
billing_st_tp_cd	BIGINT	NOT NULL	No
pymt_mthd_tp_cd	BIGINT	NULL	No
last_py_md_tp_cd	BIGINT	NULL	No
effective_date	TIMESTAMP	NULL	No
due_date	TIMESTAMP	NULL	No
account_balance	DECIMAL(17,3)	NOT NULL	No
min_payment	DECIMAL(17,3)	NULL	No
max_payment	DECIMAL(17,3)	NULL	No
paid_to_date	TIMESTAMP	NULL	No
invoice_id	VARCHAR(50)	NULL	No
bill_from_date	TIMESTAMP	NULL	No
bill_to_date	TIMESTAMP	NULL	No
account_id	VARCHAR(50)	NULL	No
payment_source_id	BIGINT	NULL	No
withdrawal_date	TIMESTAMP	NULL	No
last_payment_amt	DECIMAL(17,3)	NULL	No
last_payment_dt	TIMESTAMP	NULL	No
payments_remaining	INTEGER	NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No
last_update_tx_id	BIGINT	NULL	No
freq_mode_tp_cd	BIGINT	NULL	No
contract_id	BIGINT	NULL	No
contr_component_id	BIGINT	NULL	No
accbala_cur_tp	BIGINT	NULL	No
minpaym_cur_tp	BIGINT	NULL	No
maxpaym_cur_tp	BIGINT	NULL	No
lastpay_cur_tp	BIGINT	NULL	No

Parties Can Be Summarized
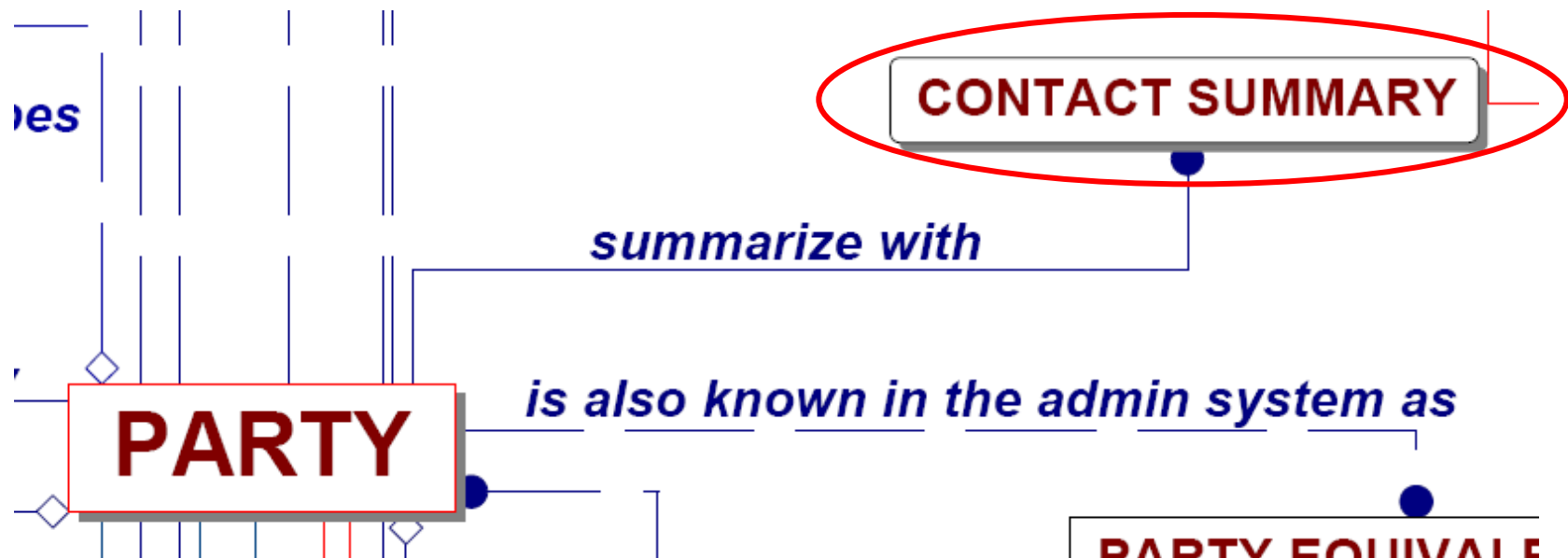
Contact Summary

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
cont_id	BIGINT	NOT NULL	Yes
privpref_ind	SMALLINT	NOT NULL	No
miscvalue_ind	SMALLINT	NOT NULL	No
contactrel_ind	SMALLINT	NOT NULL	No
bankaccount_ind	SMALLINT	NOT NULL	No
chargecard_ind	SMALLINT	NOT NULL	No
payrolldeduct_ind	SMALLINT	NOT NULL	No
incomesource_ind	SMALLINT	NOT NULL	No
identifier_ind	SMALLINT	NOT NULL	No
alert_ind	SMALLINT	NOT NULL	No
contequiv_ind	SMALLINT	NOT NULL	No
interaction_ind	SMALLINT	NOT NULL	No
addressgroup_ind	SMALLINT	NOT NULL	No
contmethgroup_ind	SMALLINT	NOT NULL	No
lobrel_ind	SMALLINT	NOT NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_tx_id	BIGINT	NULL	No
last_update_user	VARCHAR(20)	NULL	No

Contracts
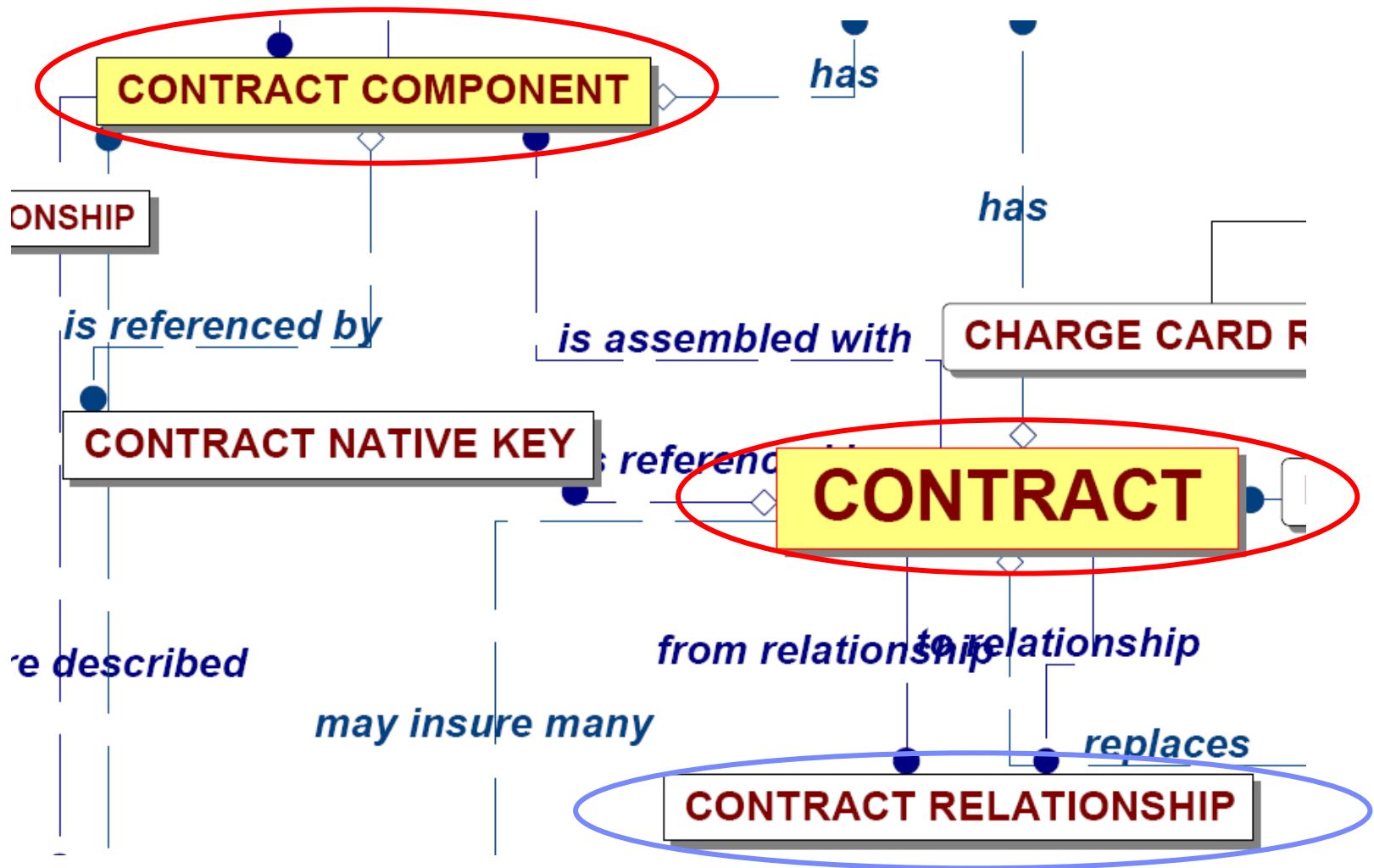
Contract

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
contract_id	BIGINT	NOT NULL	Yes
contr_lang_tp_cd	BIGINT	NULL	No
currency_tp_cd	BIGINT	NOT NULL	No
freq_mode_tp_cd	BIGINT	NULL	No
bill_tp_cd	BIGINT	NULL	No
premium_amt	DECIMAL(17,3)	NULL	No
next_bill_dt	TIMESTAMP	NULL	No
curr_cash_val_amt	DECIMAL(17,3)	NULL	No
line_of_business	VARCHAR(30)	NULL	No
brand_name	VARCHAR(30)	NULL	No
service_org_name	VARCHAR(70)	NULL	No
bus_orgunit_id	VARCHAR(30)	NULL	No
service_prov_id	VARCHAR(30)	NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No
repl_by_contract	BIGINT	NULL	No
last_update_tx_id	BIGINT	NULL	No
issue_location	VARCHAR(30)	NULL	No
admin_sys_tp_cd	BIGINT	NULL	No
admin_contract_id	VARCHAR(150)	NULL	No
premamt_cur_tp	BIGINT	NULL	No
cashval_cur_tp	BIGINT	NULL	No

Contract Component

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
contr_component_id	BIGINT	NOT NULL	Yes
contract_st_tp_cd	BIGINT	NOT NULL	No
prod_tp_cd	BIGINT	NOT NULL	No
curr_cash_val_amt	DECIMAL(17,3)	NULL	No
premium_amt	DECIMAL(17,3)	NULL	No
issue_dt	TIMESTAMP	NULL	No
viatical_ind	CHAR(1)	NULL	No
base_ind	CHAR(1)	NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No
contr_comp_tp_cd	BIGINT	NULL	No
last_update_tx_id	BIGINT	NULL	No
serv_arrange_tp_cd	BIGINT	NULL	No
contract_id	BIGINT	NOT NULL	No
holding_id	BIGINT	NULL	No
expiry_dt	TIMESTAMP	NULL	No
premamt_cur_tp	BIGINT	NULL	No
cashval_cur_tp	BIGINT	NULL	No

Contract Relationship

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
contract_rel_id	BIGINT	NOT NULL	Yes
contr_rel_tp_cd	BIGINT	NOT NULL	No
contr_rel_st_tp_cd	BIGINT	NULL	No
from_contract_id	BIGINT	NOT NULL	No
to_contract_id	BIGINT	NOT NULL	No
start_dt	TIMESTAMP	NOT NULL	No
end_dt	TIMESTAMP	NULL	No
rel_description	VARCHAR(255)	NULL	No
last_update_tx_id	BIGINT	NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No

Parties Can Have Different Association with Contracts
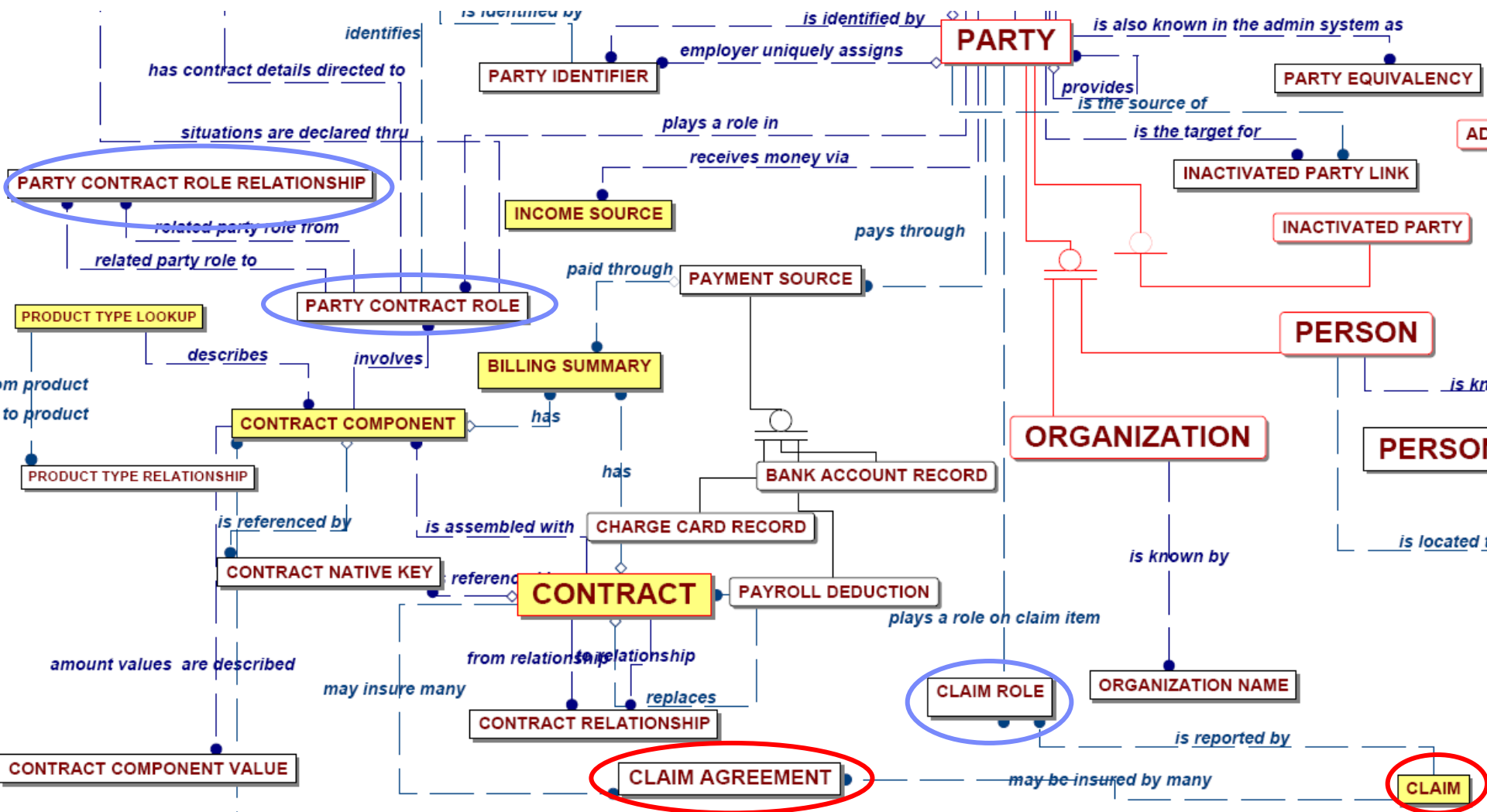
Party Contract Role

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
contract_role_id	BIGINT	NOT NULL	Yes
cont_id	BIGINT	NOT NULL	No
contr_component_id	BIGINT	NOT NULL	No
contr_role_tp_cd	BIGINT	NOT NULL	No
registered_name	VARCHAR(255)	NULL	No
distrib_pct	DECIMAL(5,2)	NULL	No
irrevoc_ind	CHAR(1)	NULL	No
start_dt	TIMESTAMP	NOT NULL	No
end_dt	TIMESTAMP	NULL	No
recorded_start_dt	TIMESTAMP	NULL	No
recorded_end_dt	TIMESTAMP	NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No
share_dist_tp_cd	BIGINT	NULL	No
arrangement_tp_cd	BIGINT	NULL	No
arrangement_desc	VARCHAR(255)	NULL	No
last_update_tx_id	BIGINT	NULL	No
end_reason_tp_cd	BIGINT	NULL	No

Party Contract Role Relationship

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
contr_role_rel_id	BIGINT	NOT NULL	Yes
rel_tp_cd	BIGINT	NOT NULL	No
role_rel_desc	VARCHAR(255)	NULL	No
contr_role_from_id	BIGINT	NOT NULL	No
contr_role_to_id	BIGINT	NOT NULL	No
start_dt	TIMESTAMP	NOT NULL	No
end_dt	TIMESTAMP	NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No
last_update_tx_id	BIGINT	NULL	No
end_reason_tp_cd	BIGINT	NULL	No

Claim Role

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
claim_role_id	BIGINT	NOT NULL	Yes
claim_role_tp_cd	BIGINT	NOT NULL	No
cont_id	BIGINT	NOT NULL	No
claim_id	BIGINT	NOT NULL	No
description	VARCHAR(255)	NULL	No
start_dt	TIMESTAMP	NOT NULL	No
end_dt	TIMESTAMP	NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No
last_update_tx_id	BIGINT	NULL	No

Claim

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
claim_id	BIGINT	NOT NULL	Yes
admin_ref_num	VARCHAR(150)	NULL	No
claim_number	VARCHAR(20)	NULL	No
claim_detail_amt	DECIMAL(17,3)	NULL	No
claim_paid_amt	DECIMAL(17,3)	NULL	No
outstanding_amt	DECIMAL(17,3)	NULL	No
benefit_claim_amt	DECIMAL(17,3)	NULL	No
claim_tp_cd	BIGINT	NOT NULL	No
lob_tp_cd	BIGINT	NULL	No
claim_status_tp_cd	BIGINT	NULL	No
claim_code	VARCHAR(20)	NULL	No
status_dt	TIMESTAMP	NULL	No
claim_incurred_dt	TIMESTAMP	NULL	No
reported_dt	TIMESTAMP	NULL	No
description	VARCHAR(255)	NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No
last_update_tx_id	BIGINT	NULL	No
detlamt_cur_tp	BIGINT	NULL	No
paidamt_cur_tp	BIGINT	NULL	No
outsamt_cur_tp	BIGINT	NULL	No
beneamt_cur_tp	BIGINT	NULL	No

Claim Agreement

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
claim_contr_id	BIGINT	NOT NULL	Yes
claim_id	BIGINT	NOT NULL	No
contract_id	BIGINT	NOT NULL	No
description	VARCHAR(255)	NULL	No
start_dt	TIMESTAMP	NOT NULL	No
end_dt	TIMESTAMP	NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No
last_update_tx_id	BIGINT	NULL	No

WCC functionnal tables

Historisation

Versioning is done with H_ prefixed tables

H_CONTACT

h_cont_id: BIGINT NOT NULL
h_create_dt: TIMESTAMP NOT NULL
h_action_code: CHAR(1) NOT NULL
h_created_by: VARCHAR(20) NOT NULL
h_end_dt: TIMESTAMP
cont_id: BIGINT NOT NULL
acce_comp_tp_cd: BIGINT
pref_lang_tp_cd: BIGINT
created_dt: TIMESTAMP NOT NULL
inactivated_dt: TIMESTAMP
contact_name: VARCHAR(255) NOT NULL
person_org_code: CHAR(1)
solicit_ind: CHAR(1)
confidential_ind: CHAR(1)
client_imp_tp_cd: BIGINT
client_st_tp_cd: BIGINT
client_poten_tp_cd: BIGINT
rpting_freq_tp_cd: BIGINT
last_statement_dt: TIMESTAMP
provided_by_cont: BIGINT
alert_ind: CHAR(1)
last_update_dt: TIMESTAMP NOT NULL
last_update_user: VARCHAR(20)
last_update_tx_id: BIGINT
do_not_delete_ind: CHAR(1)
last_used_dt: TIMESTAMP
last_verified_dt: TIMESTAMP
source_ident_tp_cd: BIGINT

All history tables are in the format of the data tables with an additional 4 attributes:

h_action_code
h_created_by
h_created_dt
h_end_dt

PK is a combination of the Contact ID PK and the TimeStamp.

Metadata

V_GROUP
- 🔑 application: VARCHAR(50) NOT NULL
- 🔑 group_name: VARCHAR(50) NOT NULL

- object_name: VARCHAR(100)
- table_name: VARCHAR(50)
- form_name: VARCHAR(50)
- xml_tag_name: VARCHAR(50)
- expiry_dt: TIMESTAMP
- last_update_dt: TIMESTAMP NOT NULL
- sort_by: VARCHAR(50)
- code_type_ind: CHAR(1)

V_ELEMENT
- 🔑 application: VARCHAR(50) NOT NULL
- 🔑 group_name: VARCHAR(50) NOT NULL
- 🔑 element_name: VARCHAR(50) NOT NULL

- attribute_name: VARCHAR(254)
- column_name: VARCHAR(50)
- field_name: VARCHAR(50)
- xml_tag_name: VARCHAR(50)
- expiry_dt: TIMESTAMP
- last_update_dt: TIMESTAMP NOT NULL
- response_order: SMALLINT
- elementAppName: VARCHAR(50)
- elementGroupName: VARCHAR(50)
- dwlcolumn_tp_cd: BIGINT
- cardinality_tp_cd: BIGINT

Framework to add metadata on the DB schema (attributes, column, etc.)

is comprised of

classified_each_el

CDATTRIBUTETP
- 🔑 attribute_tp_cd: BIGINT NOT NULL
- 🔑 lang_tp_cd: BIGINT NOT NULL

- name: VARCHAR(120)
- description: VARCHAR(255)
- expiry_dt: TIMESTAMP
- last_update_dt: TIMESTAMP NOT NULL

describe

V_ELEMENTATTRIBUTE
- 🔑 v_element_attrb_id: BIGINT NOT NULL

- attribute_tp_cd: BIGINT NOT NULL
- application: VARCHAR(50)
- group_name: VARCHAR(50)
- element_name: VARCHAR(50)
- expiry_dt: TIMESTAMP
- last_update_dt: TIMESTAMP NOT NULL

ADDACTIONTYPE
- 🔑 add_action_id: BIGINT NOT NULL

- match_relev_tp_cd: BIGINT NOT NULL
- susp_reason_tp_cd: BIGINT NOT NULL
- org_tp_cd: BIGINT
- person_org_code: CHAR(1) NOT NULL
- add_action_code: CHAR(2) NOT NULL
- last_update_dt: TIMESTAMP NOT NULL
- last_update_user: VARCHAR(20)
- last_update_tx_id: BIGINT
- suspect_tp_cd: BIGINT

describes

CDSUSPECTTP
- 🔑 lang_tp_cd: BIGINT NOT NULL
- 🔑 suspect_tp_cd: BIGINT NOT NULL

- name: VARCHAR(120) NOT NULL
- description: VARCHAR(255)
- expiry_dt: TIMESTAMP
- last_update_dt: TIMESTAMP NOT NULL
- rule_id: VARCHAR(10) NOT NULL

describe_rule_for

EXTRULE
- 🔑 rule_id: VARCHAR(10) NOT NULL

- rule_description: VARCHAR(1000) NOT NULL
- input_param_desc: VARCHAR(255)
- output_param_desc: VARCHAR(255)
- comp_object_desc: VARCHAR(255)
- created_dt: TIMESTAMP NOT NULL
- last_update_dt: TIMESTAMP NOT NULL
- last_update_user: VARCHAR(20)

Rules of visibility

- Define **ability to see information** and **perform tasks according to the constrains for the user and the group the user belongs to**.

- Execution of the Rules of Visibility engine and the Persistency Entitlements engine is controlled through the Extension Handler component (need to be activated in the product).

- Complex external evaluation rules may be defined as **Java classes** or **Rule-sets extensions** (JRules ilr files)

- **Permissions need to be granted explicitly once RoV activated**.

- The permission uses the **object hierarchy**: a user has to be able to see or update a parent object in order to see or update any child objects

- <u>Example of rule</u>: ″ a given user group can view contracts that are within their line of business *and* have a current cash value of less than 1 million dollars″

Rules of Visibility: Logical model

Schema Independant from logical Data Model, based on name of entities/attributes

Rules of Visibility: Physical model

External Rules

Used to implement business rules

Contract «owlClass»
- issue_location : string
- service_provider : string
- business_org_unit : string
- service_org_name : string
- brand_name : string
- line_of_business : string
- next_bill_date : datetime
- current_cach_amount : double
- premium_amount : double
- billing_type : string
- frequency_mode : string
- currency : string
- contract_language : string

ContractRelationship «owlClass»
- end_date : datetime
- start_date : datetime
- contract_relationship_status : string
- contract_relationship_type : string

related_from
related_to
replaced_by

ContractComponent «owlClass»
- currency_type : string
- expiry_date : datetime
- contract_component_type : string
- base_indication : boolean
- issue_date : datetime
- premium_amount : double
- current_cash_amount : double
- product_type : string
- contract_status : string

ClaimAggrement «owlClass»
- end_date : datetime
- start_date : datetime
- description : string

Holding «owlClass»
- currency_type : string
- end_date : datetime
- start_date : datetime
- holding_value_amount : double
- holding_type : string

Vehicle «owlClass»
- vehicle_year : integer
- vehicle_model : string
- vehicle_maker : string
- vehicle_number : string

Property «owlClass»

BillingSummary «owlClass»
- currency_type : string
- frequency_mode : string
- payments_remaining : integer
- last_payment_date : datetime
- last_payment_amount : datetime
- withdrawal_date : datetime
- bill_to_date : datetime
- bill_from_date : datetime
- invoice : string
- paid_to_date : datetime
- maximum_payment : double
- minimum_payment : double
- account_balance : double
- due_date : datetime
- effective_date : datetime
- last_payment_method : string
- payment_method : string
- billing_status : string

ContactContractRole «owlClass»
- end_reason : string
- arrangement_description : string
- arrangement_type : string
- recorded_end_date : datetime
- recorded_start_date : datetime
- end_date : datetime
- start_date : datetime
- registered_name : string
- contract_role_type : string

Address «owlClass»
- longitude : double
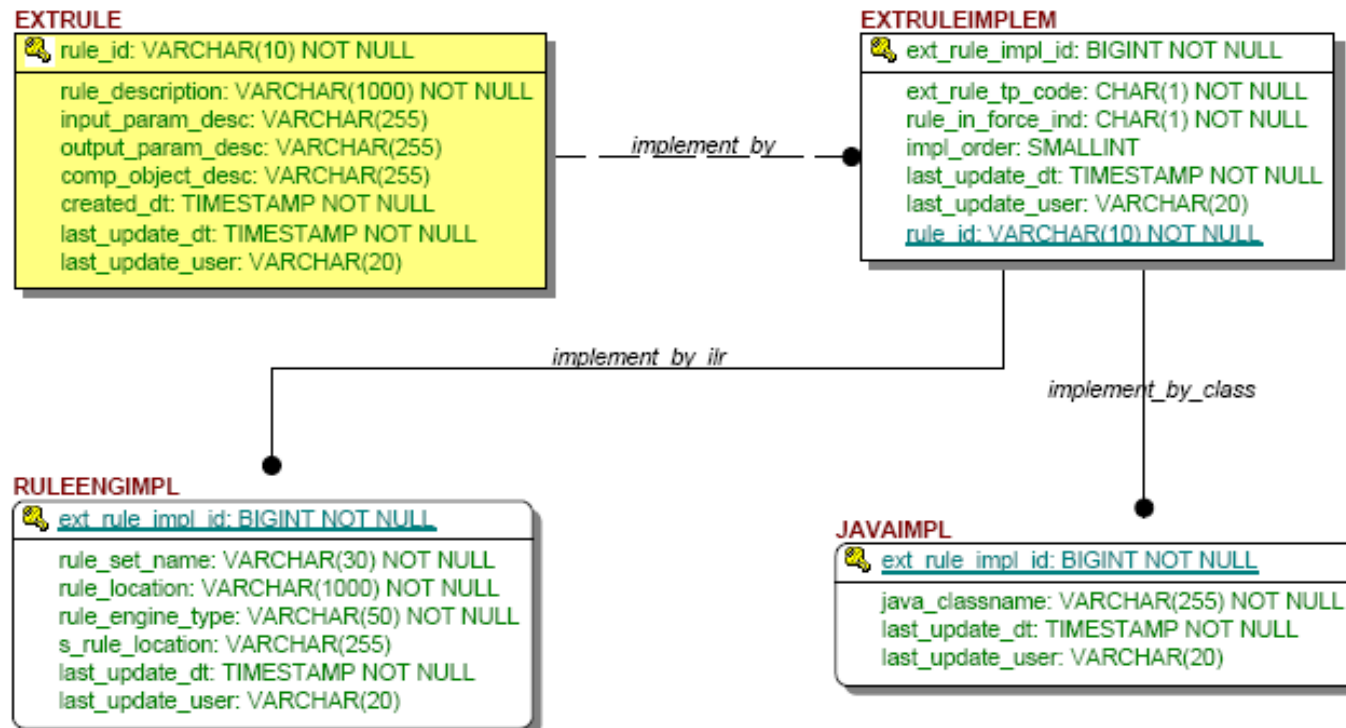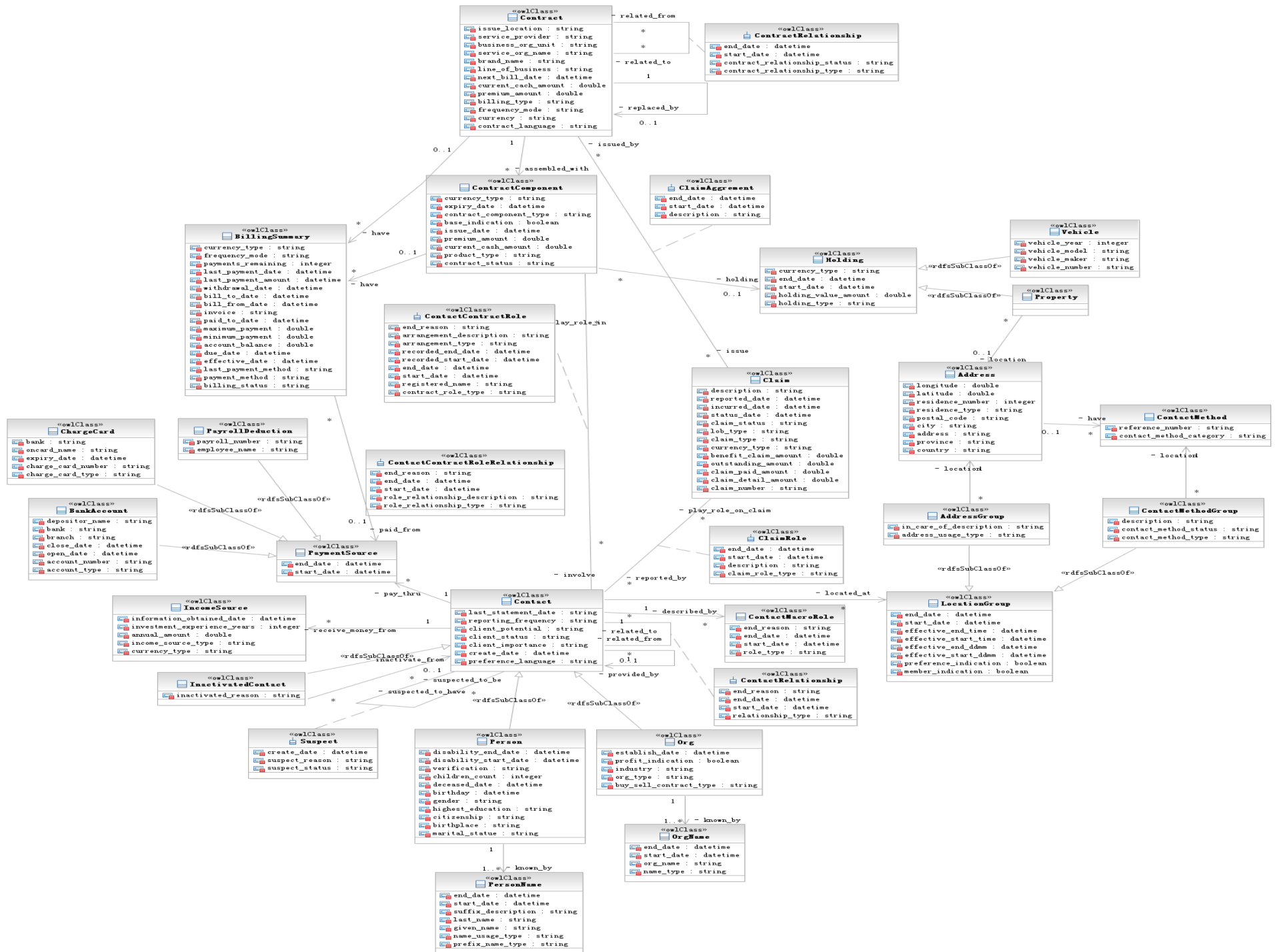- latitude : double
- residence_number : integer
- residence_type : string
- postal_code : string
- city : string
- address : string
- province : string
- country : string

ContactMethod «owlClass»
- reference_number : string
- contact_method_category : string

ChargeCard «owlClass»
- bank : string
- oncard_name : string
- expiry_date : datetime
- charge_card_number : string
- charge_card_type : string

PayrollDeduction «owlClass»
- payroll_number : string
- employee_name : string

ContactContractRoleRelationship «owlClass»
- end_reason : string
- end_date : datetime
- start_date : datetime
- role_relationship_description : string
- role_relationship_type : string

Claim «owlClass»
- description : string
- reported_date : datetime
- incurred_date : datetime
- status_date : datetime
- claim_status : string
- lob_type : string
- claim_type : string
- currency_type : string
- benefit_claim_amount : double
- outstanding_amount : double
- claim_paid_amount : double
- claim_detail_amount : double
- claim_number : string

ClaimRole «owlClass»
- end_date : datetime
- start_date : datetime
- description : string
- claim_role_type : string

AddressGroup «owlClass»
- in_care_of_description : string
- address_usage_type : string

ContactMethodGroup «owlClass»
- description : string
- contact_method_status : string
- contact_method_type : string

BankAccount «owlClass»
- depositor_name : string
- bank : string
- branch : string
- close_date : datetime
- open_date : datetime
- account_number : string
- account_type : string

PaymentSource «owlClass»
- end_date : datetime
- start_date : datetime

IncomeSource «owlClass»
- information_obtained_date : datetime
- investment_experience_years : integer
- annual_amount : double
- income_source_type : string
- currency_type : string

Contact «owlClass»
- last_statement_date : string
- reporting_frequency : string
- client_potential : string
- client_status : string
- client_importance : string
- create_date : datetime
- preference_language : string

ContactMacroRole «owlClass»
- end_reason : string
- end_date : datetime
- start_date : datetime
- role_type : string

LocationGroup «owlClass»
- end_date : datetime
- start_date : datetime
- effective_end_time : datetime
- effective_start_time : datetime
- effective_end_ddmm : datetime
- effective_start_ddmm : datetime
- preference_indication : boolean
- member_indication : boolean

InactivatedContact «owlClass»
- inactivated_reason : string

ContactRelationship «owlClass»
- end_reason : string
- end_date : datetime
- start_date : datetime
- relationship_type : string

Suspect «owlClass»
- create_date : datetime
- suspect_reason : string
- suspect_status : string

Person «owlClass»
- disability_end_date : datetime
- disability_start_date : datetime
- verification : string
- children_count : integer
- deceased_date : datetime
- birthday : datetime
- gender : string
- highest_education : string
- citizenship : string
- birthplace : string
- marital_statue : string

Org «owlClass»
- establish_date : datetime
- profit_indication : boolean
- industry : string
- org_type : string
- buy_sell_contract_type : string

OrgName «owlClass»
- end_date : datetime
- start_date : datetime
- org_name : string
- name_type : string

PersonName «owlClass»
- end_date : datetime
- start_date : datetime
- suffix_description : string
- last_name : string
- given_name : string
- name_usage_type : string
- prefix_name_type : string

related_from / related_to / assembled_with / issued_by / have / holding / play_role_in / issue / paid_from / pay_thru / described_by / related_to / related_from / receive_money_from / inactivate_from / suspected_to_be / suspected_to_have / play_role_on_claim / involve / reported_by / located_at / location / have / known_by / provided_by / «rdfsSubClassOf»

Product

Instances of products that are of interest to the business.

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
product_id	BIGINT	NOT NULL	Yes
product_type_id	BIGINT	NOT NULL	No
name	VARCHAR(120)	NOT NULL	No
short_description	VARCHAR(255)	NULL	No
description	VARCHAR(500)	NULL	No
prod_struc_tp_cd	BIGINT	NOT NULL	No
status_tp_cd	BIGINT	NULL	No
status_reason_tp_cd	BIGINT	NULL	No
availability_tp_cd	BIGINT	NULL	No
primary_target_market_tp_cd	BIGINT	NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No
last_update_tx_id	BIGINT	NULL	No

PRODUCT TYPE

A type of product that, unless it is the root product type, is a subtype of another product type.

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
product_type_id	BIGINT	NOT NULL	Yes
name	VARCHAR(50)	NOT NULL	No
description	VARCHAR(255)	NULL	No
parent_prod_type_id	BIGINT	NULL	No
metadata_info_tp_cd	BIGINT	NOT NULL	No
node_tp_cd	BIGINT	NOT NULL	No
Root Product			
Product Type			
Product Subtype			
start_dt	TIMESTAMP	NOT NULL	No
end_dt	TIMESTAMP	NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No
last_update_tx_id	BIGINT	NULL	No

PRODUCTEQUIV

Stores information about how a product is identified in a different system.

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
product_equiv_id	BIGINT	NOT NULL	Yes
product_id	BIGINT	NOT NULL	No
admin_sys_tp_cd	BIGINT	NOT NULL	No
product_equiv_key	VARCHAR(160)	NULL	No
key_1	VARCHAR(30)	NOT NULL	No
key_2	VARCHAR(30)	NULL	No
key_3	VARCHAR(30)	NULL	No
key_4	VARCHAR(30)	NULL	No
key_5	VARCHAR(30)	NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No
last_update_tx_id	BIGINT	NULL	No

PRODUCT LOCALIZED

ProductNLS table is the localization table for the Product table. The ProductNLS entity could represent the localization data of fields those needs to be localized. It is Product table content in localized form.

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
product_nls_id	**BIGINT**	**NOT NULL**	**Yes**
product_id	BIGINT	NOT NULL	No
lang_tp_cd	BIGINT	NOT NULL	No
name	VARCHAR(120)	NOT NULL	No
short_description	VARCHAR(255)	NULL	No
description	VARCHAR(500)	NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No
last_update_tx_id	BIGINT	NULL	No

PRODUCT IDENTIFIER

A client-defined identifier for the product such as a part number or product code.

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
product_identifier_id	BIGINT	NOT NULL	Yes
product_id	BIGINT	NOT NULL	No
product_identifier_tp_cd	BIGINT	NOT NULL	No
ref_num	VARCHAR(50)	NULL	No
start_dt	TIMESTAMP	NOT NULL	No
end_dt	TIMESTAMP	NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No
last_update_tx_id	BIGINT	NULL	No

PRODUCT RELATIONSHIP

A relationship between two products. Products can be related together to capture product substitutes, up-sells, cross-sells and so on. They can also be related together to form bundles and coarser grain products made up of product components.

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
product_rel_id	BIGINT	NOT NULL	Yes
from_prod_id	BIGINT	NOT NULL	No
to_prod_id	BIGINT	NOT NULL	No
product_rel_tp_cd	BIGINT	NOT NULL	No
start_dt	TIMESTAMP	NOT NULL	No
end_dt	TIMESTAMP	NULL	No
rel_desc	VARCHAR(255)	NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No
last_update_tx_id	BIGINT	NULL	No

PRODUCT CONTRACT RELATIONSHIP

The table that holds the relationship between a product and a contract.

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
prod_cont_rel_id	BIGINT	NOT NULL	Yes
product_id	BIGINT	NOT NULL	No
contract_id	BIGINT	NOT NULL	No
start_dt	TIMESTAMP	NOT NULL	No
end_dt	TIMESTAMP	NULL	No
prod_cont_rel_tp_cd	BIGINT	NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_tx_id	BIGINT	NULL	No
last_update_user	VARCHAR(20)	NULL	No

IBM

PRODUCT VALUES

A set of values based on a spec format. The values decorate the product based on the product's association to some other entity such as the product's type. The values based on spec formats associated to the product's type are maintained in this table.

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
product_values_id	BIGINT	NOT NULL	Yes
spec_id	BIGINT	NOT NULL	No
spec_fmt_id	BIGINT	NOT NULL	No
product_id	BIGINT	NOT NULL	No
value_xml	CLOB(1G)	NOT NULL	No
start_dt	TIMESTAMP	NOT NULL	No
end_dt	TIMESTAMP	NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No
last_update_tx_id	BIGINT	NULL	No

SPEC

This table holds information about specs available in the system.

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
spec_id	BIGINT	NOT NULL	Yes
metadata_info_tp_cd	BIGINT	NOT NULL	No
spec_name	VARCHAR(100)	NOT NULL	No
spec_namespace	VARCHAR(500)	NOT NULL	No
active_format_id	BIGINT	NOT NULL	No
start_dt	TIMESTAMP	NOT NULL	No
end_dt	TIMESTAMP	NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_tx_id	BIGINT	NULL	No
last_update_user	VARCHAR(20)	NULL	No

SPEC FORMAT

This table holds all the various formats (or versions) for the system's specs.

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
spec_format_id	BIGINT	NOT NULL	Yes
spec_id	BIGINT	NOT NULL	No
external_xsd	CLOB(1G)	NOT NULL	No
internal_xsd	CLOB(1G)	NOT NULL	No
localized_xsd	CLOB(1G)	NULL	No
format_version	BIGINT	NOT NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No
last_update_tx_id	BIGINT	NULL	No

SPEC FORMAT TRANSLATION

This table holds locale specific translations for the attribute names of specs

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
spec_format_translation_id	BIGINT	NOT NULL	Yes
spec_format_id	BIGINT	NOT NULL	No
lang_tp_cd	BIGINT	NOT NULL	No
translation	CLOB(1073741824)	NOT NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No
last_update_tx_id	BIGINT	NULL	No

PRODUCT CATEGORY ASSOCIATION

A product's association to a category

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
product_category_assoc_id	BIGINT	NOT NULL	Yes
product_id	BIGINT	NOT NULL	No
category_id	BIGINT	NOT NULL	No
hierarchy_id	BIGINT	NOT NULL	No
start_dt	TIMESTAMP	NOT NULL	No
end_dt	TIMESTAMP	NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No
last_update_tx_id	BIGINT	NULL	No

CATEGORY

Holds common platform attributes for categories. A category can participate in one hierarchy at a time.

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
category_id	BIGINT	NOT NULL	Yes
cat_hierarchy_id	BIGINT	NOT NULL	No
category_code	VARCHAR(255)	NULL	No
name	VARCHAR(120)	NOT NULL	No
description	VARCHAR(255)	NULL	No
is_root	CHAR(1)	NOT NULL	No
is_leaf	CHAR(1)	NOT NULL	No
assoc_ind	CHAR(1)	NOT NULL	No
start_dt	TIMESTAMP	NOT NULL	No
end_dt	TIMESTAMP	NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_user	VARCHAR(20)	NULL	No
last_update_tx_id	BIGINT	NULL	No

CATEGORY HIERARCHY

This table holds information about a category hierarchy.

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
cat_hierarchy_id	BIGINT	NOT NULL	Yes
name	VARCHAR(120)	NOT NULL	No
description	VARCHAR(255)	NULL	No
hierarchy_tp_cd	BIGINT	NULL	No
start_dt	TIMESTAMP	NOT NULL	No
end_dt	TIMESTAMP	NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_tx_id	BIGINT	NULL	No
last_update_user	VARCHAR(20)	NULL	No

CATEGORY NODE RELATIONSHIP

Holds the definitions of relationships between category nodes in a category hierarchy.

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Datatype	Null Option	Is PK
cat_node_rel_id	BIGINT	NOT NULL	Yes
parent_node_id	BIGINT	NOT NULL	No
child_node_id	BIGINT	NOT NULL	No
start_dt	TIMESTAMP	NOT NULL	No
end_dt	TIMESTAMP	NULL	No
last_update_dt	TIMESTAMP	NOT NULL	No
last_update_tx_id	BIGINT	NULL	No
last_update_user	VARCHAR(20)	NULL	No

METADATA INFORMATION TYPE LOOKUP

Stores the information that can be used to identify the metadata, such as Task Definition, Spec, and more.

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Comment	Datatype	Null Option	Is PK
metadata_info_tp_cd	A code that identifies the metadata information.	BIGINT	NOT NULL	Yes
metadata_key	Data that defines the value of the metadata information type code. An example is: '928749ae-f19c-41b6-babf-380467cea769'.	VARCHAR(255)	NOT NULL	No
metadata_package_tp_cd	A code that identifies the metadata package.	BIGINT	NULL	No
expiry_dt	Expiry Date represents the date that the type code is no longer valid.	TIMESTAMP	NULL	No
last_update_dt		TIMESTAMP	NOT NULL	No

METADATA PACKAGE TYPE LOOKUP

Stores a list of metadata package names, which are used to identify the location of the metadata in the MDM Server system, such as Task Definition, Spec, and more.

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Comment	Datatype	Null Option	Is PK
metadata_package_tp_cd	A code that identifies the metadata package.	BIGINT	NOT NULL	Yes
metadata_package_name	Data that defines the value of a metadata package type code, e.g. 'com.ibm.mdm.System'.	VARCHAR(255)	NOT NULL	No
expiry_dt	Expiry Date represents the date that the type code is no longer valid.	TIMESTAMP	NULL	No
last_update_dt		TIMESTAMP	NOT NULL	No

ENTITY SPEC USE

This table defines the way a spec will be used to define an entity such as a product.

Primary key in red

Update track in blue

Foreign key in green

Type info. in pink

General attr. in black

Name	Comment	Datatype	Null Option	Is PK
spec_use_id		BIGINT	NOT NULL	Yes
entity_name	The type of entity this spec use is related to.	VARCHAR(250)	NOT NULL	No
instance_pk	The primary key of the related entity.	BIGINT	NOT NULL	No
spec_id	A system generated key that uniquely identifies a spec within the system.	BIGINT	NOT NULL	No
spec_use_tp_cd	The code assigned to the spec use type.	BIGINT	NOT NULL	No
spec_cascade_tp_cd	The code assigned to the cascade action type for a spec. For example, if this spec is cascaded to descendents in the entity's hierarchy.	BIGINT	NOT NULL	No
explicit_def_ind	Indicates that the spec has been defined for the first time on this entity.	CHAR(1)	NOT NULL	No
metadata_info_tp_cd	The code assigned to the metadata info type.	BIGINT	NOT NULL	No
start_dt		TIMESTAMP	NOT NULL	No
end_dt		TIMESTAMP	NULL	No
last_update_dt		TIMESTAMP	NOT NULL	No
last_update_user		VARCHAR(20)	NULL	No
last_update_tx_id		BIGINT	NULL	No

Back up

HIERARCHY CATEGORY TYPE LOOKUP

Language Type Code
Hierarchy Category Type Code
Name (AK1.1)
Description
Expiry Date
Last Update Date

identify

HIERARCHY TYPE LOOKUP

Language Type Code (FK)
Hierarchy Type Code
Name (AK1.1)
Description
Expiry Date
Last Update Date
Hierarchy Category Type Code (FK)

identify

HIERARCHY

Hierarchy ID
Name
Description
Start Date
End Date
Last Update Date
Last Update User ID
Transaction Id
Hierarchy Type Code (FK)
Language Type Code (FK)

HIERARCHY ULTIMATE PARENT

Hierarchy Ultimate Parent ID
Hierarchy Node ID (FK)
Description
Start Date
End Date
Last Update Date
Last Update User ID
Transaction Id

NODE DESIGNATION TYPE LOOKUP

Language Type Code
Node Designate Type Code
Name (AK1.1)
Description
Expiry Date
Last Update Date

HIERARCHY NODE

Hierarchy Node ID
Hierarchy ID (FK)
Logical Entity Name
Entity Instance Primary Key
Description
Start Date
End Date
Last Update Date
Last Update User ID
Transaction Id
Language Type Code (FK)
Node Designate Type Code (FK)
Locale Description

describes

HIERARCHY RELATIONSHIP

Hierarchy Relationship ID
Parent Node (FK)
Child Node (FK)
Description
Start Date
End Date
Last Update Date
Last Update User ID
Transaction Id

Child Relationship

Parent Relationship