KIM Conversion: Person - KIM

The following is the conversion to migrate the Person table(s)/view(s) to KIM tables.

# Foreign Keys to Person

* Remove Foreign Keys to Person table in {COMM\_SCHEDULE\_ATTENDANCE, EPS\_PROP\_USER\_ROLES, PROTOCOL\_REVIEWERS, UNIT\_ADMINISTRATOR, USER\_ROLES}

# Views into Person

* Rework/Delete Views {OSP$Person, OSP$User}

Reworking these views may be highly complex due to the complex KIM structure. For example: Some entity data will need to be stored in a generic KIM table. To get a ssn number for entity ‘1’ (Select EXT\_ID FROM ENTITY\_T entity, KRIM\_ENTITY\_EXT\_ID\_T ext, KRIM\_ENTITY\_EXT\_TYP\_T type WHERE ext .ENTITY\_ID = entity.ENTITY\_ID and ext.EXT\_ID\_TYP\_CD = type.ENT\_TYP\_CD and entity.ENTITY\_ID = type.ENTITY\_ID AND entity.ENTITY\_ID = ‘1’)

# Standard KIM Entity Data

* KIM supports a standard set of information about each entity. Each set of related information is normalized into a separate table. For example: phone information is located in table KRIM\_ENTITY\_PHONE\_T.

# EXT KIM Entity Fields

* Not all information currently in the Person table has a corresponding table in KIM. For these cases, KIM provides a table named KRIM\_ENTITY\_EXT\_ID\_T to hold arbitrary String data[[1]](#endnote-1). The following highlights adding the ssn field for entity id ‘1’ to a KIM entity via the EXT tables.

First, add an entry to the KRIM\_EXT\_TYP\_T { EXT\_ID\_TYP\_CD = ‘SSN’, NM= ‘Social Security Number’}. You can also specify an encryption and sort order for fields if needed. This is a global table for KIM not specific to Entity Ext data types.

Second, add an entry to KRIM\_ENTITY\_EXT\_ID\_T {ENTITY\_EXT\_ID\_ID=next sequence, ENTITY\_ID=’1’, ENITY\_ID\_TYP\_CD=’SSN’, EXT\_ID=”123-45-6789”}

# ENTITY PRIVACY IN KIM

* For each Standard KIM Entity Data type KIM allows data suppression via a suppress flag in KRIM\_ENTITY\_PRIV\_PREF\_T. EXT KIM entity data cannot be suppressed in this fashion (although it can be encrypted via an encrypt flag). **Is this a problem for KC? More research will have to be done into the purpose of this table and the suppress flags.**

# OPEN POINTS/NOTES/GENERAL STRANGENESS

* Currently a person can exist in the Person table w/o existing in the KIM\_PERSON table[[2]](#endnote-2). This is similar to an ENTITY existing in KIM without a PRINCIPAL[[3]](#endnote-3).
* Why does KIM have an ENTITY\_TYP\_CD field in many of the KRIM\_ENTITY\_XXX\_T tables? There is already a Foreign Key to the Entity table which also has an ENTITY\_TYP\_CD. This seems redundant/error prone unless there is some other meaning… If this is redundant data then all new entries in these tables should match the KRIM\_ENTITY\_T table’s ENTITY\_TYP\_CD
* KRIM\_ENTITY\_XXX\_T tables have active & default indicators. We should probably have all entries in these tables be active upon data migration. As for default most entries should be default unless multiple entries exist which then we will have to choose.

## Field Conversion

|  |  |  |
| --- | --- | --- |
| PERSON | KIM | Notes |
| PERSON\_ID (VARCHAR(10)) | KRIM\_ENTITY\_T.ENTITY\_ID (VARCHAR(40)) |  |
| VER\_NBR | KRIM\_ENTITY\_T.VER\_NBR |  |
| OBJ\_ID | KRIM\_ENTITY\_T.OBJ\_ID |  |
| ACTIVE\_FLG (CHAR(1)) | KRIM\_ENTITY\_T.ACTV\_IND (VARCHAR(1)) |  |
| USER\_NAME | KRIM\_PRNCPL\_T.PRNCPL\_ID | Seems related to KRIM\_PRNCPL\_T.PRNCPL\_NM |
| UPDATE\_TIMESTAMP | N/A |  |
| UPDATE\_USER | KRIM\_ENTITY\_T.LAST\_UPDT\_DT |  |
| ERA\_COMMONS\_USER\_NAME | KRIM\_ENTITY\_EXT\_ID\_T. EXT\_ID |  |
| SSN | KRIM\_ENTITY\_EXT\_ID\_T. EXT\_ID |  |
| AGE | KRIM\_ENTITY\_EXT\_ID\_T. EXT\_ID | deprecate in favor of KRIM\_ENTITY\_BIO\_T.BIRTH\_DT |
| AGE\_BY\_FISCAL\_YEAR | KRIM\_ENTITY\_EXT\_ID\_T. EXT\_ID | deprecate in favor of KRIM\_ENTITY\_BIO\_T.BIRTH\_DT |
| EDUCATIONAL\_LEVEL | KRIM\_ENTITY\_EXT\_ID\_T. EXT\_ID |  |
| DEGREE | KRIM\_ENTITY\_EXT\_ID\_T. EXT\_ID |  |
| MAJOR | KRIM\_ENTITY\_EXT\_ID\_T. EXT\_ID |  |
| IS\_HANDICAPPED | KRIM\_ENTITY\_EXT\_ID\_T. EXT\_ID |  |
| HANDICAP\_TYPE | KRIM\_ENTITY\_EXT\_ID\_T. EXT\_ID |  |
| IS\_VETERAN | KRIM\_ENTITY\_EXT\_ID\_T. EXT\_ID |  |
| VETERAN\_TYPE | KRIM\_ENTITY\_EXT\_ID\_T. EXT\_ID |  |
| VISA\_CODE | KRIM\_ENTITY\_EXT\_ID\_T. EXT\_ID |  |
| VISA\_TYPE | KRIM\_ENTITY\_EXT\_ID\_T. EXT\_ID |  |
| VISA\_RENEWAL\_DATE | KRIM\_ENTITY\_EXT\_ID\_T. EXT\_ID |  |
| HAS\_VISA | KRIM\_ENTITY\_EXT\_ID\_T. EXT\_ID |  |
| SCHOOL | KRIM\_ENTITY\_EXT\_ID\_T. EXT\_ID |  |
| YEAR\_GRADUATED | KRIM\_ENTITY\_EXT\_ID\_T. EXT\_ID |  |
| PRIMARY\_TITLE | KRIM\_ENTITY\_EXT\_ID\_T. EXT\_ID |  |
| DICTORY\_TITLE | KRIM\_ENTITY\_EXT\_ID\_T. EXT\_ID |  |
| IS\_FACULTY | KRIM\_ENTITY\_EXT\_ID\_T. EXT\_ID |  |
| IS\_GRADUATE\_STUDENT\_STAFF | KRIM\_ENTITY\_EXT\_ID\_T. EXT\_ID |  |
| IS\_RESEARCH\_STAFF | KRIM\_ENTITY\_EXT\_ID\_T. EXT\_ID |  |
| IS\_SERVICE\_STAFF | KRIM\_ENTITY\_EXT\_ID\_T. EXT\_ID |  |
| IS\_SUPPORT\_STAFF | KRIM\_ENTITY\_EXT\_ID\_T. EXT\_ID |  |
| IS\_OTHER\_ACADEMIC\_GROUP | KRIM\_ENTITY\_EXT\_ID\_T. EXT\_ID |  |
| IS\_MEDICAL\_STAFF` | KRIM\_ENTITY\_EXT\_ID\_T. EXT\_ID |  |
| VACATION\_ACCURAL | KRIM\_ENTITY\_EXT\_ID\_T. EXT\_ID |  |
| IS\_ON\_SABBATICAL | KRIM\_ENTITY\_EXT\_ID\_T. EXT\_ID |  |
| ID\_PROVIDED | KRIM\_ENTITY\_EXT\_ID\_T. EXT\_ID |  |
| ID\_VERIFIED | KRIM\_ENTITY\_EXT\_ID\_T. EXT\_ID |  |
| PAGER\_NUMBER | KRIM\_ENTITY\_PHONE\_T. PHONE\_NBR | Must create a new KRIM\_PHONE\_TYPE\_T column for new phone type or use KRIM\_PHONE\_TYPE\_T . PHONE\_TYPE\_CD ‘OTH’ |
| MOBILE\_PHONE\_NUMBER | KRIM\_ENTITY\_PHONE\_T. PHONE\_NBR | KRIM\_PHONE\_TYPE\_T . PHONE\_TYPE\_CD ‘MBL’ |
| OFFICE\_PHONE | KRIM\_ENTITY\_PHONE\_T. PHONE\_NBR | KRIM\_PHONE\_TYPE\_T . PHONE\_TYPE\_CD ‘WRK’ |
| SECONDARY\_OFFICE\_PHONE | KRIM\_ENTITY\_PHONE\_T. PHONE\_NBR | Must create a new KRIM.PHONE\_TYPE\_T column for new phone type or use KRIM\_PHONE\_TYPE\_T . PHONE\_TYPE\_CD ‘WRK’ |
| LAST\_NAME | KRIM\_ENTITY\_NM\_T.LAST\_NM | NM\_TYP\_CD = ‘PFRD’ |
| FIRST\_NAME | KRIM\_ENTITY\_NM\_T.FIRST\_NM | NM\_TYP\_CD = ‘PFRD’ |
| MIDDLE\_NAME | KRIM\_ENTITY\_NM\_T.MIDDLE\_NM | NM\_TYP\_CD = ‘PFRD’ |
| LAST\_NAME | KRIM\_ENTITY\_NM\_T.LAST\_NM | NM\_TYP\_CD = ‘PFRD’ |
| SALUTATION | KRIM\_ENTITY\_NM\_T.TITLE\_NM | NM\_TYP\_CD = ‘PFRD’ |
| FULL\_NAME | N/A | Full name is calculated in KIM from the first, middle, last name (not prefix, suffix, etc.) – we could use an ext field or use KIM auto calculation which could be inconsistent with Person data |
| PRIOR\_NAME | KRIM\_ENTITY\_NM\_T.LAST\_NM | Must create a new KRIM\_NM\_TYPE\_T column for new name type or use NM\_TYP\_CD = ‘OTH’. Also must fill in entries for first middle etc. since prior name will be a new row in KRIM\_ENTITY\_NM\_T |
| EMAIL\_ADDRESS |  |  |

1. Up to VARCHAR(100) in length [↑](#endnote-ref-1)
2. Old KIM [↑](#endnote-ref-2)
3. New KIM [↑](#endnote-ref-3)