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| REVISION HISTORY | | | | | |
| Ver. | Description of Change | Author | Date | Approved | |
| Name | Effective Date |
| 1.0 | Initial status | [Kiryl Bucha](mailto:Kiryl_Bucha@epam.com) | 12-JAN-2012 |  |  |
| 2.0 | Updated in accordance with renewed content | [Elias Nema](mailto:Elias_Nema@epam.com) | 20-JAN-2014 |  |  |
| 3.0 | Report | Mikita Tur | 10-DEC-2017 |  |  |

Contents

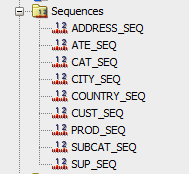
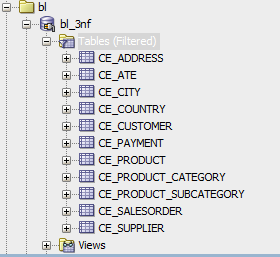
[1. Create Packages for Reload Dimension from SA\_\* 3](#_Toc383391238)

[2. Task Results 3](#_Toc383391239)

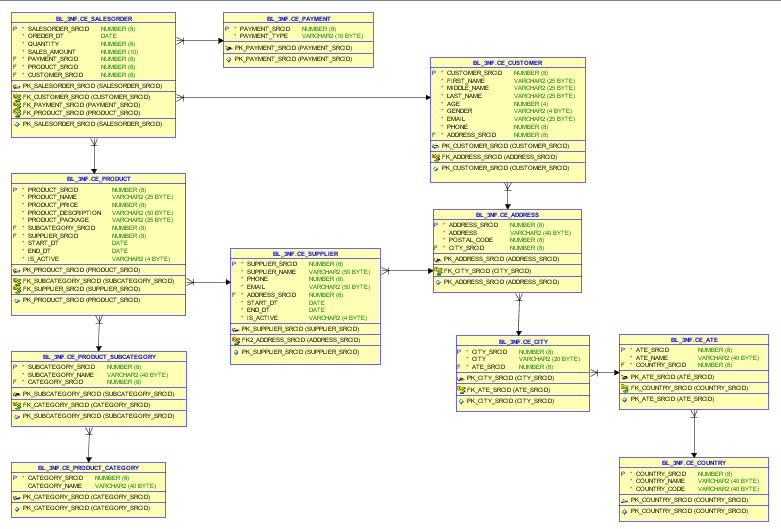
# Create packages to load dimensions from source to staging (3NF) layer

* Create all required dim objects on ST Layer (T\_...).

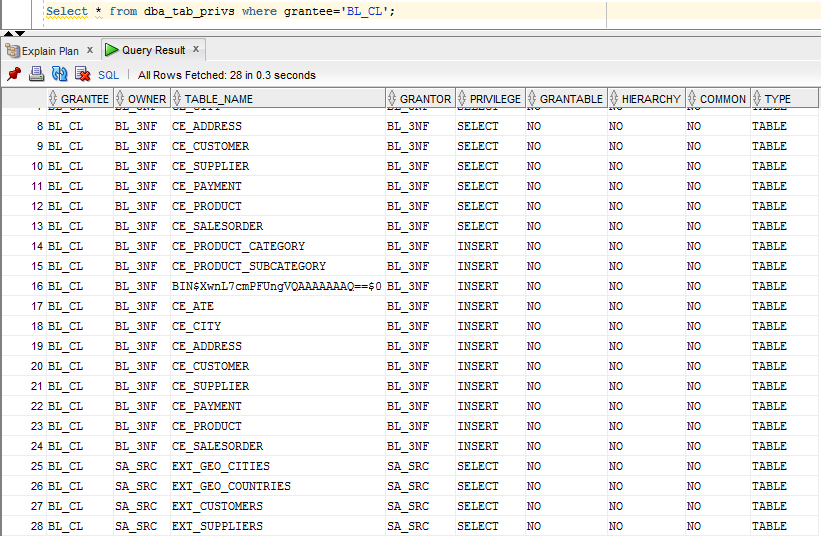
On the 3NF layer necessary tables and sequences were created.



3NF Scheme:



Grants:



All Inserts and Merges into bl\_3nf layer are situated in CLS folder:

\_0. DWH\Projects\Mikita\_Tur\dwso\bl\_cl\package\CLS

Explicit Cursor:

PROCEDURE insert\_table\_cls\_product\_subcategory

IS

CURSOR my\_cursor

IS

SELECT DISTINCT NVL(subcategory,'-99') as Subcategory\_name, NVL(CATEGORY,'-99') as category\_name

FROM wrk\_products ;

pm\_my\_cursor cls\_product\_subcategory%rowtype;

BEGIN

EXECUTE IMMEDIATE 'TRUNCATE TABLE ‘cls\_product\_subcategory’;

OPEN my\_cursor;

LOOP

FETCH my\_cursor INTO pm\_my\_cursor;

IF my\_cursor%found THEN

INSERT

INTO cls\_product\_subcategory

INSERT INTO cls\_product\_subcategory

(

subcategory\_name,

CATEGORY\_NAME

)

VALUES

(

pm\_emp\_cursor. Subcategory\_name,

pm\_emp\_cursor.category\_name

) ;

END IF;

EXIT

WHEN my\_cursor%notfound;

END LOOP;

COMMIT;

CLOSE my\_cursor;

COMMIT;

EXCEPTION

WHEN OTHERS THEN

RAISE;

END insert\_cls\_product\_subcategory;

Implicit Cursor:

PROCEDURE INSERT\_TABLE\_ATE

IS

BEGIN

EXECUTE IMMEDIATE ('TRUNCATE TABLE CLS\_ATE');

INSERT INTO CLS\_ATE(ATE\_NAME,COUNTRY\_code)

SELECT \* FROM (SELECT distinct(nvl(STATEFULL,'-99')),country

FROM WRK\_CUSTOMERS CUST

UNION

SELECT distinct(nvl(STATEFULL,'-99')),country

FROM WRK\_SUPPLIERS);

COMMIT;

EXCEPTION WHEN OTHERS THEN RAISE;

END INSERT\_TABLE\_ATE;

Merge:

CREATE OR REPLACE PACKAGE BODY PKG\_ETL\_INSERT\_COUNTRY

AS

PROCEDURE INSERT\_TABLE\_COUNTRY

IS

BEGIN

EXECUTE IMMEDIATE ('TRUNCATE TABLE CLS\_COUNTRY');

INSERT INTO CLS\_COUNTRY(country\_name, country\_code)

SELECT COUN.COUNTRY\_NAME,COUN.CC\_FIPS

FROM WRK\_COUNTRIES COUN LEFT JOIN WRK\_CUSTOMERS COS

ON (COUN.COUNTRY\_NAME = COS.COUNTRYFULL );

COMMIT;

EXCEPTION WHEN OTHERS THEN RAISE;

END INSERT\_TABLE\_COUNTRY;

---

PROCEDURE MERGE\_TABLE\_COUNTRY

IS

BEGIN

MERGE INTO bl\_3nf.ce\_country CEC using

(SELECT

COUNTRY\_SRCID,

COUNTRY\_NAME,

COUNTRY\_CODE

FROM CLS\_COUNTRY

MINUS

SELECT

COUNTRY\_SRCID,

COUNTRY\_NAME,

COUNTRY\_CODE

FROM bl\_3nf.ce\_country

) CLSC ON (CLSC.COUNTRY\_SRCID = CEC.COUNTRY\_SRCID)

WHEN MATCHED THEN

UPDATE SET CEC.COUNTRY\_NAME = CLSC.COUNTRY\_NAME

WHEN NOT MATCHED THEN

INSERT

(

COUNTRY\_SRCID,

COUNTRY\_NAME,

COUNTRY\_CODE

)

VALUES

(

bl\_3nf.COUNTRY\_SEQ.NEXTVAL,

CLSC.COUNTRY\_NAME,

CLSC.COUNTRY\_CODE

);

COMMIT;

EXCEPTION

WHEN OTHERS THEN RAISE ;

END MERGE\_TABLE\_COUNTRY;

END PKG\_ETL\_INSERT\_COUNTRY;

/

