The following steps are created to check the compliance of transition from the original 11g DB to the newly created 12c DB and to confirm that no DB objects or privileges are missing during this migration. For this purpose, we comparing data stored in SYS.DBA\_OBJECTS and SYS.DBA\_TAB\_PRIVS of 11g DB with data stored in SYS.DBA\_OBJECTS and SYS.DBA\_TAB\_PRIVS of 12c.

When no difference found the migration is considered to be complained.

1. Create 4 tables to hold data from SYS.DBA\_OBJECTS and SYS.DBA\_TAB\_PRIVS for 11g and 12c

In SBREXT 11g.

CREATE TABLE SBREXT.DEV11G\_OBJECTS

(

OWNER VARCHAR2(30 BYTE),

OBJECT\_TYPE VARCHAR2(19 BYTE),

OBJECT\_NAME VARCHAR2(128 BYTE)

);

CREATE TABLE SBREXT.DEV11G\_PRIVS

(

OWNER VARCHAR2(30 BYTE,

GRANTEE VARCHAR2(30 BYTE,

TABLE\_NAME VARCHAR2(30 BYTE),

PRIVILEGE VARCHAR2(40 BYTE)

);

CREATE TABLE SBREXT.DEV12C\_OBJECTS

(

OWNER VARCHAR2(30 BYTE),

OBJECT\_TYPE VARCHAR2(19 BYTE),

OBJECT\_NAME VARCHAR2(128 BYTE)

);

CREATE TABLE SBREXT.DEV12C\_PRIVS

(

OWNER VARCHAR2(30 BYTE),

GRANTEE VARCHAR2(30 BYTE),

TABLE\_NAME VARCHAR2(30 BYTE),

PRIVILEGE VARCHAR2(40 BYTE)

);

2. Create 4 control files for data upload:

* + 1. ALL\_OBJECTS\_11G.ctl ***(Optional for DEV and QA)***
    2. ALL\_OBJECTS\_12C.ctl
    3. ALL\_PRIVS\_11G.ctl ***(Optional for DEV and QA)***
    4. ALL\_PRIVS\_12C.ctl

3. Execute following query in SBR 12C and 11G***(Optional for DEV and QA)***:

SELECT OWNER, OBJECT\_TYPE, OBJECT\_NAME

FROM SYS.DBA\_OBJECTS WHERE OWNER in ('SBR','SBREXT','MSDRDEV');

SELECT OWNER, GRANTEE, TABLE\_NAME, PRIVILEGE

FROM SYS.DBA\_TAB\_PRIVS WHERE OWNER in ('SBR','SBREXT','MSDRDEV');

4. Create 4 csv from data output:

* + - 1. ALL\_OBJECTS\_11G. csv ***(Optional for DEV and QA)***
      2. ALL\_OBJECTS\_12C. csv
      3. ALL\_PRIVS\_11G. csv ***(Optional for DEV and QA)***
      4. ALL\_PRIVS\_12C. csv

5. Upload data from these files via SQL loader into tables:

1. SBREXT.DEV11G\_OBJECTS ***(Optional for DEV and QA)***
2. SBREXT.DEV11G\_PRIVS ***(Optional for DEV and QA)***
3. SBREXT.DEV12C\_OBJECTS
4. SBREXT.DEV12C\_PRIVS

6. Compare the tables and find missing rows by running following statements:

1)***FOR DEV and QA***

SELECT OWNER, OBJECT\_TYPE, OBJECT\_NAME from SYS.DBA\_OBJECTS where owner in ('SBR','SBREXT','MSDRDEV')

MINUS

SELECT\*from SBREXT.DEV12C\_OBJECTS

ORDER by OWNER, OBJECT\_TYPE, OBJECT\_NAME;

SELECT OWNER, TABLE\_NAME, PRIVILEGE, GRANTEE from DBA\_TAB\_PRIVS where owner in ('SBR','SBREXT','MSDRDEV')

MINUS

SELECT\*from SBREXT.DEV12C\_PRIVS

ORDER by OWNER, TABLE\_NAME, PRIVILEGE, GRANTEE;

2) ***FOR PROD and STAGE***

SELECT\*from SBREXT.DEV11G\_OBJECTS

MINUS

SELECT\*from SBREXT.DEV12C\_OBJECTS

ORDER by OWNER, OBJECT\_TYPE, OBJECT\_NAME;

SELECT\*from SBREXT.DEV11G\_PRIVS

MINUS

SELECT\*from SBREXT.DEV12C\_PRIVS

ORDER by OWNER, TABLE\_NAME, PRIVILEGE, GRANTEE;

7. Ignore objects with prefix SYS

: