

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 constraints are missing during this transition.

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.ctf (**Optional for DEV and QA**)
- 2) ALL_OBJECTS_12C.ctf
- 3) ALL_PRIVS_11G.ctf (**Optional for DEV and QA**)
- 4) ALL_PRIVS_12C.ctf

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

: