

CATDB2CP tool instructions:

1. Download the CATSRCHI and CATDB2CP programs and place them as members in SYS1.CLIST
 - a. (Preferred method) Download the tersed version of the CATDB2CP and CATSRCHI files (.trs) in binary mode to a dataset with the following attributes: LRECL=1024,BLKSIZE=6144,RECFM=FB,DSORG=PS. After downloading it, they will need to be untersed using either AMATERSE or TRSMMAIN.
 - b. (Alternate method) The .REXX versions can be downloaded as is (although there may be character translation errors during the FTP process depending on environment)
2. Verify DSNREXX accessibility in DB2 SDSNLOAD library.
3. Invoke CATDB2CP via TSO or Batch
 - a. via TSO command line
 - i. Go to TSO command line issue 'CATDB2CP'
 - ii. Follow the instructions on the screen to enter the **catalog name** that contains all OAM collection entries and the **DB2 SSID**.

Note: if a single catalog contains collection entries for multiple OAM environments, the tool will surface inconsistencies between ANY collection entries it finds in the catalog and the OAM Collection Table associated with the DB2 SSID entered. Some of these Collection entries found in the Catalog may not belong to the OAM environment associated with the DB2 SSID entered. It is the customer's responsibility to know which Collections are associated with which OAM environment and to only resolve the discrepancies that apply to the Collections the belong to the OAM environment associated with the DB2 SSID entered.

- iii. Optionally, you may then enter a **collection name wildcard**. If there is a wildcard you can create to capture all the collection entries in the catalog, this is a recommended input. Some valid collection wildcard examples include:
 - a. OAM.**
 - b. OAM.collection*.*
 - c. collection*
- iv. If there is not a wildcard that can cover all the collection name entries in the catalog, input 'NA' or 'N/A'. **Warning:** if a collection wildcard is NOT specified and many entries exist in the catalog that are NOT collection entries, this tool may experience an ABEND878 due to above-the-line storage being exhausted when reading the catalog contents into memory. If this occurs, you may open a PMR to L2 for direction.
- v. **Note:** if one receives a -3 return code from DB2 connection, go verify the DSNREXX accessibility in DB2 SDSNLOAD library.
- vi. After execution of CATDB2CP,
 - a. if the case is found where there are collection entries in catalog, but not in DB2, then an **output data set name** will be requested for creation. This data set will contain: (see figure 1)
 - a. all collection entries in the catalog that are missing from the OAM DB2 collection table
 - b. all collection entries in the catalog whose collection ID is associated with a different collection name in the OAM DB2 collection table

- b. if the case is found where there is a collection name in catalog and the same collection name in DB2, but the collection IDs are DIFFERENT, then an **output data set name** will be requested for creation. This data set will contain all the collection entries in this state (see figure 2).

b. via Batch

i. Sample JCL:

```
//RUNCATDB JOB , 'user ', CLASS=A,
//          MSGCLASS=H, NOTIFY=&SYSUID
//*
//STEP1     EXEC PGM=IKJEFT01
//SYSPROC   DD DISP=SHR, DSN=SYS1.CLIST
//SYSTSPT   DD SYSOUT=*
//SYSTSIN   DD *
           CATDB2CP catalogname db2ssid wildcard BATCH.OUTPUT1 BATCH.OUTPUT2
/*
```

****** where catalogname = the name of the catalog that contains all OAM collection entries,
wildcard = collection name wildcard to capture all collection entries in the catalog (N/A or NA if the wildcard is not specified),
BATCH.OUTPUT1 and BATCH.OUTPUT2 = unique names of datasets that will be created if discrepancies are found.

- ii. `//STEPLIB DD DSN=HLQ.SDSNLOAD, DISP=SHR` may be added to specify the DB2 load module that has DSNREXX.

NOTE: All input parameters are required.

(Figures on next page)

(Figure 1)

```
***** Top of Data *****
The following collection entries are found in catalog but are missing from the OAM DB2 collection table.

Note: if there is any collection entry in the OAM DB2 collection table that has the same collection ID as a missing entry,
it will be output below inside parentheses.

+++++
COLLECTION ID  COLLECTION NAME                                STORAGE CLASS  MANAGEMENT CLASS  STORAGE GROUP
-----
      6      GROUP06                                DASDSC          DASDTAPE          GROUP06
              (Collection entry GROUP08
              in DB2 with the same collection ID 6 - SC: DASDSC - MC: DASDTAPE - SG: GROUP08)

      7      GROUP07                                DASDSC          DASDTAPE          GROUP07
              (Collection entry GROUP09
              in DB2 with the same collection ID 7 - SC: DASDSC - MC: DASDTAPE - SG: GROUP09)

      8      GROUP10                                DASDSC          DASDTAPE          GROUP10

***** Bottom of Data *****
```

(Figure 2)

```
***** Top of Data *****
-----
The following collection entries are found in catalog and are also found in the DB2 collection table with a DIFFERENT collection ID.

Note: if there is any collection entry in the OAM DB2 collection table that has the same collection ID as a catalog entry,
      it will be output below inside parentheses.

+++++
      COLLECTION ID  COLLECTION NAME                                STORAGE CLASS  MANAGEMENT CLASS  STORAGE GROUP
-----
Catalog entry:      1          GROUP01                                DB2DASD          MCD01          GROUP01
DB2 entry:          2          GROUP01                                DB2DASD          MCD01          GROUP01
-----
Catalog entry:      2          GROUP01.A                                DB2DASD          MCD01          GROUP01
DB2 entry:          3          GROUP01.A                                DB2DASD          MCD01          GROUP01
      (Collection entry GROUP01
      in DB2 with the same collection ID 2 - SC: DB2DASD - MC: MCD01 - SG: GROUP01)
-----
Catalog entry:      3          GROUP01.B                                DB2DASD          MCD01          GROUP01
DB2 entry:          4          GROUP01.B                                DB2DASD          MCD01          GROUP01
      (Collection entry GROUP01.A
      in DB2 with the same collection ID 3 - SC: DB2DASD - MC: MCD01 - SG: GROUP01)
-----
      COLLECTION ID  COLLECTION NAME                                STORAGE CLASS  MANAGEMENT CLASS  STORAGE GROUP
-----
```