**Generation Data Group (GDG)**

Example JCL to define a GDG base:

//DEFINEGDG JOB (ACCT), 'DEFINE GDG BASE',

// CLASS=A, MSGCLASS=A, MSGLEVEL=(1,1)

//STEP1 EXEC PGM=IDCAMS

//SYSPRINT DD SYSOUT=A

//SYSIN DD \*

DEFINE GDG (NAME(TEDWO.FHIR.TB.EOBOP.ND.CHUNK) LIMIT(10) SCRATCH)

/\*

//DEFINEGDG JOB (ACCT), 'DEFINE GDG BASE',

// CLASS=A, MSGCLASS=A, MSGLEVEL=(1,1)

//STEP1 EXEC PGM=IDCAMS

//SYSPRINT DD SYSOUT=A

//SYSIN DD \*

DEFINE GDG (NAME(TEDWO.FHIR.TB.EOBOP.ND.CHUNK) LIMIT(10) SCRATCH)

**Explanation:**

* **DEFINE GDG:** IDCAMS command to define the GDG base.

**NAME(TEDWO.FHIR.TB.EOBOP.ND.CHUNK):** Specifies the name of the GDG base.

**LIMIT(10):** Specifies that a maximum of 10 generations will be kept.

**SCRATCH:** Indicates that the oldest generation should be deleted when the limit is exceeded.

* **Ensure Correct GDG References in Your JCL**
* Make sure that your JCL references the GDG base correctly. When referring to GDG generations, use the proper format.
* **Example JCL to create a new GDG generation:**

//CREATEGDG JOB (ACCT), 'CREATE GDG',

// CLASS=A, MSGCLASS=A, MSGLEVEL=(1,1)

//STEP1 EXEC PGM=IEFBR14

//MYGDG DD DSN=TEDWO.FHIR.TB.EOBOP.ND.CHUNK(+1),

DISP=(NEW,CATLG,DELETE),

SPACE=(CYL,(5,5),RLSE),

DCB=(DSORG=PS,RECFM=FB,LRECL=80,BLKSIZE=8000)

//CREATEGDG JOB (ACCT), 'CREATE GDG',

// CLASS=A, MSGCLASS=A, MSGLEVEL=(1,1)

//STEP1 EXEC PGM=IEFBR14

//MYGDG DD DSN=TEDWO.FHIR.TB.EOBOP.ND.CHUNK(+1),

DISP=(NEW,CATLG,DELETE),

SPACE=(CYL,(5,5),RLSE),

/ DCB=(DSORG=PS,RECFM=FB,LRECL=80,BLKSIZE=8000)

**Explanation:**

* **DSN=TEDWO.FHIR.TB.EOBOP.ND.CHUNK(+1):** Refers to the next generation of the GDG base.
* **DISP=(NEW,CATLG,DELETE):** Specifies the disposition parameters (create new, catalog, delete if unsuccessful).
* **SPACE and DCB Parameters:** Define the dataset space and control block attributes.

**3. Update Your Original JCL with Correct GDG References**

Ensure your original JCL script correctly refers to the GDG.

**Corrected JCL Segment for GDG References:**

//STEP005 EXEC &SASV,PARM='SYSPARM="&EDWENV,&SUBJ,&TENV"'

//MVDATA DD DSN=TEDWO.FHIR.TB.EOBOP.ND.CHUNK(+1),

// DISP=(NEW,CATLG,DELETE),

// UNIT=PROD,SPACE=(TRK,(10,1),RLSE),

// DCB=(RECFM=FB,LRECL=80,BLKSIZE=0)

//STEP005 EXEC &SASV,PARM='SYSPARM="&EDWENV,&SUBJ,&TENV"'

//MVDATA DD DSN=TEDWO.FHIR.TB.EOBOP.ND.CHUNK(+1),

// DISP=(NEW,CATLG,DELETE),

// UNIT=PROD,SPACE=(TRK,(10,1),RLSE),

**Explanation:**

* **Correct DSN Reference:** Ensure the DSN parameter correctly refers to the GDG base and its generation.

**Summary**

1. **Define the GDG Base:** Use IDCAMS to define the GDG base with proper parameters.
2. **Create GDG Generations:** Use JCL to create new generations with correct references.
3. **Update Original JCL:** Ensure all DSN references in your JCL correctly point to the GDG base and generations.

By following these steps, the GDG base should be properly defined and cataloged, resolving the **"DATA SET NOT FOUND, GDG BASE NAME NOT CATALOGED, ERROR IN OBTAINING GDGLIMIT"** error.