IMS Insurance Demonstration Database

Setting up the IMS Insurance Database

Retrieve these two files from Github.

a. INSURDB.TERSE
b. INSURDB.JCL

Upload the two files to your zOS system

c. INSURDB.TERSE (binary transfer)
d. INSURDB.JCL (ascii transfer)

The upload of these files to zOS can be done with your preferred file transfer method. I have use both PCOMM file transfer and FTP successfully.

The first file is INSURDB.TERSE. This needs to be uploaded to your zOS system with a binary transfer, into a dataset with LRECL=1024, BLKSIZE=27648 and at least 11 cylinders of space allocated. I suggest you pre-allocate a file with these attributes before starting the upload into that file.

The second file is INSURDB.JCL. This contains the JCL needed to expand INSURDB.TERSE. Upload INSURDB.JCL as a text file to zOS. Once it has been uploaded, the JCL needs to be tailored for the dataset naming conventions used in your environment.

Run the resulting job to unterse and unpack the uploaded IMSURDB.TERSE dataset. The output from this job is a CNTL/JCL dataset containing the following members:-

- DEMODATA
  - A set of DFSDDLT0 statements to insert segments into the Insurance Database
- DEMODB
  - The DBD for the Insurance Database. This DBD includes definitions for all the fields in the database, so that IMS SQL can be used to access the database.
- DEMODBOO
  - The DBD for the Insurance Database, without the definitions of the fields. This DBD is not needed, but is included for your interest.
- DEMODBRC
  - The JCL to define the Insurance Database to DBRC.
- DEMODEF
  - The JCL to define and initialize the Insurance Database.
- DEMODX
  - The DBD for the Insurance Database secondary Index.
- DEMOLOAD
  - The PSB used for loading the Insurance Database.
- DEMO01
  - The PSB used for access to the Insurance Database.

Set up the Insurance database DBD and PSB definitions.

There are two DBDs and two PSBs to be generated. The source of these are in the library created in the previous step. Use your standard DBDGEN process for the INSURDB and INSURDX databases, and your standard PSBGEN process for the DEMOLOAD and DEMO01 PSBs.

Once the DBDs and PSBs have been genned, perform an ACBGEN to add them to your Application Control Block library. If you are using the IMS Catalog, these definitions can be optionally loaded into the Catalog during the ACBGEN process, or later if desired.

Define the database to DBRC

The DEMODBRC member contains the JCL and statements to define the Insurance databases to DBRC. You need to tailor this job with the names of the IMS datasets used in your environment.

Define the database data sets and load the database

The DEMODEF member contains the JCL and parameters to

1. Define the VSAM datasets used for the Insurance database
2. Initially load and then delete a dummy segment to the Insurance database
3. Load segments into the Insurance database.

You will need to tailor this job with the names of the IMS datasets used in your environment. If you make a mistake, the job deletes any database data sets that were previously allocated, so you can run it multiple times if needed.

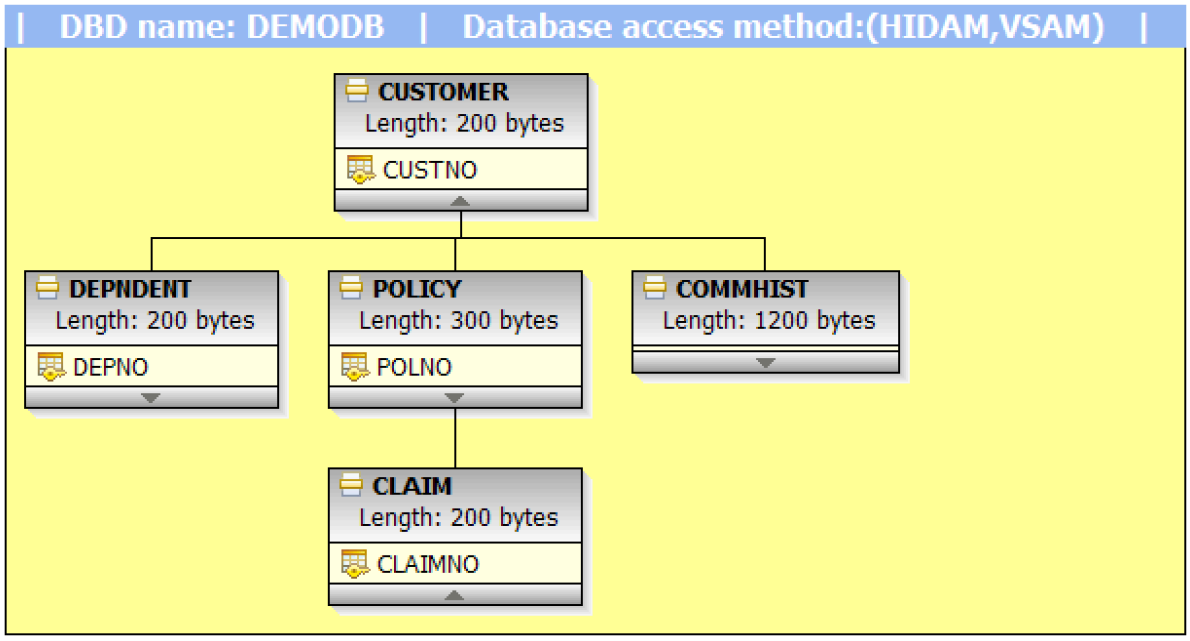
Take a backup of the Insurance Database

The database has been defined and loaded at this point. It would be valuable to take an Image Copy of the database, in case you need to recover back to this initially-loaded state.

Disclaimer

The information in this database is designed to look realistic, but none of the information relates to real people or places.

Appendix 1 – Database Layout



Appendix 2 – JCL to unpack

This is the JCL used to unterse and expand the files needed to define the Insurance Demonstration database. This is the contents of the DEMDB.JCL file.

```
//UNPACK   JOB ,
// CLASS=A,MSGCLASS=H,MSGLEVEL=(1,1),NOTIFY=&SYSUID
//*************************************************************@SCPYRT**
// EXPORT SYMLIST=(DSNTERSE,DSNCNTL)
// SET DSNTERSE='GEOFFN.DEMO.SETUP.TERSE'
// SET DSNCNTL='GEOFFN.DEMO.SETUP.CNTL'
//*************************************************************@SCPYRT**
//DEL0     EXEC PGM=IDCAMS,REGION=1024K
//SYSPRINT DD   SYSOUT=*
//SYSIN    DD   *,SYMBOLS=(JCLONLY,SYSPRINT)
 DELETE &DSNCNTL
 SET MAXCC=0
//*-------------------------------------------------------------------
//*******************************************************************
//* UNTERSE THE DATASET
//*******************************************************************
//TERSE    EXEC PGM=AMATERSE,PARM=UNPACK
//SYSPRINT DD SYSOUT=*,DCB=(RECFM=FBA,LRECL=133,BLKSIZE=12901)
//SYSUT1   DD DISP=SHR,DSN=&DSNTERSE
//SYSUT2   DD DISP=(NEW,PASS),DSN=&&UNTERSED,
//            SPACE=(CYL,(10,5),RLSE)
//*******************************************************************
//*  COPY FROM ONE DATASET TO ANOTHER
//*******************************************************************
//COPY0    EXEC PGM=IEBCOPY,REGION=0M
//SYSIN    DD DUMMY
//SYSPRINT DD SYSOUT=*
//SYSUT1   DD DISP=(OLD,PASS),DSN=&&UNTERSED
//SYSUT2   DD  DISP=(NEW,CATLG,DELETE),DSN=&DSNCNTL,
//             SPACE=(CYL,(60,10,20),RLSE),STORCLAS=MEDIUM,
//             DCB=(RECFM=FB,LRECL=80,BLKSIZE=32000),
//             DSNTYPE=LIBRARY
```