

MAINFRAME

FILES - DATASETS - FLAT - PS(PHYSICAL SEQUENTIAL)

FOLDER - PARTITIONED DATASET - PDS,PDSE,LIBRARY(LOAD MODULES)

FILES - MEMBERS

JOB - PROGRAM

MAINFRAME

SOFTWARES - SUBSYSTEMS

- 1. TSO -time sharing options. Logon*
- 2. ISPF/PDF -INTERACTIVE SYSTEM PRODUCTIVITY FACILITY/PROGRAM DEVELOPMENT FACILITY.*
- 3. JES - JOB ENTRY SUBSYSTEM.*
- 4. DB2 -RDBMS MAINFRAME*
- 5. CICS - OLTP*

BATCH PROCESSING - MAINFRAME

ONLINE TRANSACTION PROCESSING -

MEMORY.

MAIN - RAM

SECONDARY

- 1. DASD - DIRECT ACCESS STORAGE DEVICE - 3390 HDD*
- 2. TAPE - AUDIO/VHS BACKUP.*

PARTITIONED INTO VOLUMES/SERIAL NUMBERS

Data set allocation parameters.

1. DSN

HLQ.Q2.Q3.Q4.Q5.Q6.Q7

HIGH LEVEL Q → USER MF ID → ARI001

Qualifiers → 8 chars max. first char must be an alphabet.

Alphanumeric

Every q must be separated by a period

Max 7 qs.

Total number of chars : 44.

OZAGS1.ALWYN.OUTPUT.DATA7.PS

2. SPACE UNITS.

BYTES, MB, KB, TRACKS, CYL

MB/TRACK. TRACKS/CYL

3. PRIMARY QUANTITY.

It is the initial amount of space units.

3

4. Secondary quantity.

It represents the number of space units that can be allocated **WHEN THE PREVIOUSLY ALLOCATED SPACE UNITS ARE FULLY UTILIZED.**

2 x 15 TIMES

SPACE ABEND

5. Directory blocks: folder(PDS, LIBRARY, PDSE)

It represents the max number of members inside the folder.

$(N \times 6) - 1$

6. Volume/serial (optional)

7. Logical REcord Length(LRECL)

The number of chars for each.

Min = 1, max num=32kb

Job/cobol program - 80

Dataset - depending on the num of chars per record

8. BLKSIZE = multiples of LRECL

Unit/min amount of data transfer between secondary and the main memory.

9. RECFM -record format

F - FIXED, FB- FIXED BLOCK, FBA - ADDRESSING

V - VARYING, VB - VARYING BLOCK, VBA- ADDRESSING

U - UNFORMATTED/UNKNOWN → LOAD MODULES.

10. DSORG/DS TYPE →

EMPTY → PS

PDS,PDSE,LIBRARY

11. EXPIRY

DAYS 200.

ISPF

3→ UTILITIES

2→ ALLOCATE

A paramters.

File commands:

D - DELETES

R - RENAMES

E - OPEN IN EDIT MODE

V- OPEN IN VIEW MODE (CHANGES CAN BE DONE, BUT CANT BE SAVED)

B - OPEN IN BROWSE MODE (READ ONLY)

I - INFORMATION

S - SHORT INFO

PDS

C - COPY A MEMBER

Z - COMPRESS

TSO EDIT COMMANDS

EDIT RECORDS

I - INSERT

D - DELETE