



z/OS Academy 2022

Data movement in z/OS – why DFSMSdss is so important

—
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IBM zSystems Brand Technical Specialist

What are we going to chat about over the next hour?

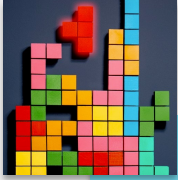
- ★ Why use DSS
- ★ Capabilities
- ★ Logical vs Physical processing
- ★ Filtering for data set selection
- ★ Space Management
- ★ Availability Management
- ★ Data movement and Replication

Why

use

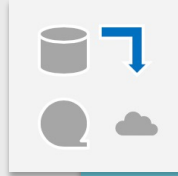
DSS?

Commands



Space Management

- Defrag
- Consolidate
- Compress
- ConvertV
- Release
- Thin Provisioning
- Space Release
- CloudUtil



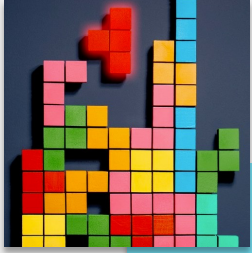
Availability Management

- Dump
- Restore
- Copydump
- Buildsa / Stand Alone Services



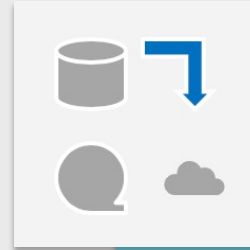
Data Movement and Replication

- Copy
 - (migration)



Data Selection

- Powerful filtering capabilities and volume selection.



Data Movement

- Lowers application impact:
 - FlashCopy
 - ConcurrentCopy
 - CloneCopy
- Invokes Utilities
 - ICKDSF, Access methods, Catalog, etc.

Capabilities.

Supports data movement of
any type of data on z/OS

Data Set Selection by Name
or Data Set Characteristics

UNIX file selection by name

Invoked from JCL, ISMF, or by
Application Program

Logical or
Physical
Processing

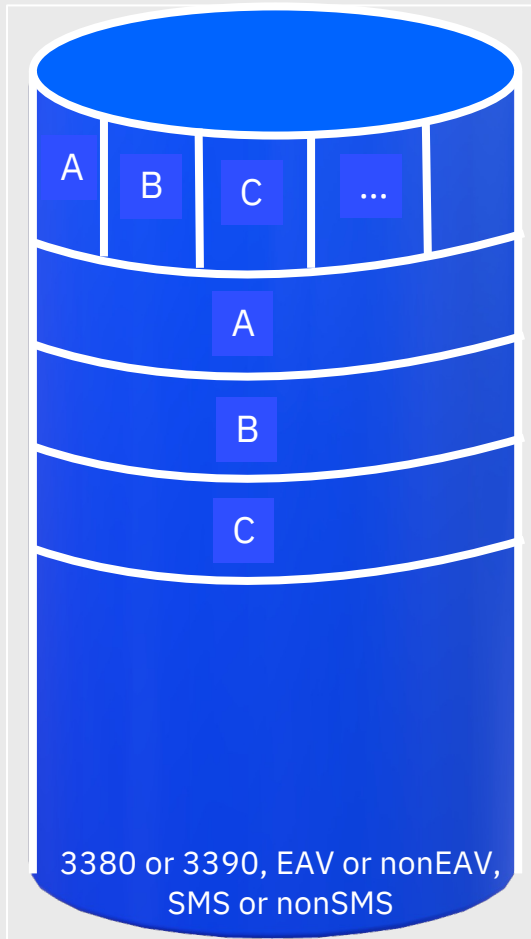
Filtering
Capabilities

Invoked from
Several
Sources



DSN AB.**
Or
DSORG=PO
Or
SPACE=CYL

DASD



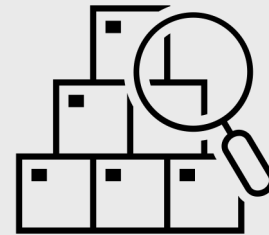
VTOC

Data Sets

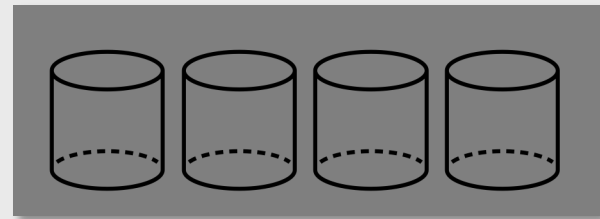
- Non-VSAM
- VSAM
 - ZFS (UNIX files)

Free Space

Input types

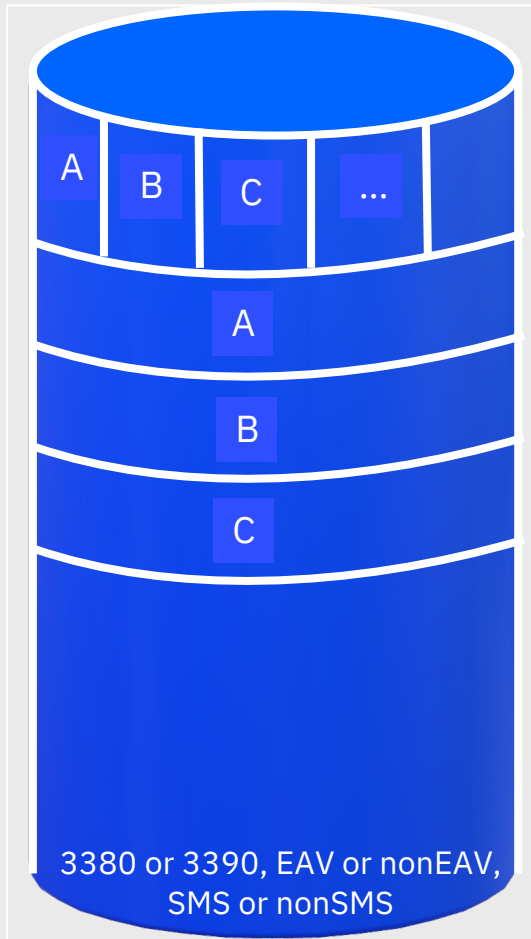


Catalog



Storage Group

DASD



VTOC

Data Sets

- Non-VSAM
- VSAM
 - ZFS (UNIX files)

Free Space

Output types



TAPE



Cloud Object Storage

Logical

VS

Physical

Logical processing

Generally considered to be functions that operate against a data set.

- Copy, dump, restore

Physical processing:

Generally considered to be functions that operate against a volume.

- Copy, dump, restore, defrag, consolidate, etc.

Logical processing

Generally considered to be functions that operate against a data set.

Physical processing:

Generally considered to be functions that operate against a volume

There are always exceptions:

- Physical data set processing
- Logical data set processing with input or output volumes
- Etc.



Filtering.

Pattern matching

- **ABC.*.DSET**

- Selects all data sets that have high level qualifier 'ABC' and a third qualifier matching 'DSET' with any second qualifier:
- ABC.DEF.DSET would be selected
- ABC.DSET and ABC.DEF.GHI.DSET would not be selected.

- **ABC.****

- Selects all data sets that have high level qualifier 'ABC' and have any number of other qualifiers
- ABC.DEF.DSET would be selected
- ABC.DSET and ABC.DEF.GHI.DSET would also be selected

- ****.*.DSET**

- Selects all data sets that have their last qualifier matching 'DSET'
- Make sure to specify volumes!!!

- **ABC*.*.**

- Selects all data sets that start with ABC in the first qualifier and have any additional qualifiers.
 - ABC1.DSET, ABCDEFG.DSET, etc.

Pattern matching

- % - Single character substitution
- ABC.D%%G.DSET
 - Would match ABC.DEFG.DSET or ABC.D12G
 - Would not match ABC.DOG.DSET

Include

Selection of data sets by name or pattern

Exclude

De-selection of data sets by name or pattern

By

Selection of data sets by data set characteristics

Include

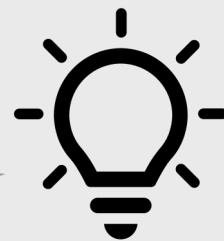
Filtering

Selection of data sets by name or pattern

Exclude

De-selection of data

- 255 entries each !!!
- Not enough?
 - Use `FILTERDD` to a sequential or partitioned data set member that has your filter criteria.



By

Selection of data sets by data set characteristics

Building a list of data set to process:

Make a backup of all partitioned data sets with the HLQ of DSSDATA that have changed since the last backup cycle.

```
DUMP DATASET (           -  
    INCLUDE (DSSDATA.** ) -  
    BY ( (DSORG,EQ,PDS)  -  
         (DSCHA,EQ,YES) ) -  
    ) -  
...
```

- **BY filters:**
 - ALLOC, CATLG, CREDIT, DATACLAS, DSCHA, DSORG, EXPDT, EXTNT, FSIZE, MGMTCLAS, MUTLI, REFDT, STORCLAS
- Supports inequalities
 - EQ or =
 - LT or <
 - LE or <=
 - GT or >
 - GE or >=
 - NE or !=

Volume vs Catalog filtering

Filtering

- **VTOC filtering:**
 - Filters are applied only to the data sets found on the volumes specified.

```
DATASET (INCLUDE (DSSDATA.**)) -  
        LOGINDY (VOL001,VOL002,...,VOL00n)
```

```
DATASET (INCLUDE (DSSDATA.**)) -  
        STORGRP (STORGRPX)
```

- **Catalog filtering:**
 - Filters are used against all cataloged data sets on the system.

```
DATASET (INCLUDE (DSSDATA.**))
```


**Invoking
DSS.**

DFSMSdss can be invoked using:

- **ISMF**
 - Lots of information via ISMF panels on how to setup profiles. Refer to: *z/OS DFSMS Using the Interactive Storage Management Facility*.
- **Application Interface**
 - Hello HSM!
 - You might be an application programmer - Get to know our Application Exits!
 - Topic is beyond the scope of this presentation.
- **Batch JCL**
 - Most users

DFSMSdss Batch JCL:

Invoking DSS

```
//MYJOB    JOB   accounting info,REGION=nnnnK  
//STEP1    EXEC  PGM=ADRDSSU  
//SYSPRINT DD  SYSOUT=A  
//SYSIN    DD   *
```

```
.....1.....2.....3.....4.....5.....6.....7 .....8  
/*
```

DFSMSdss Batch JCL:

Invoking DSS

```
//MYJOB    JOB    accounting info,REGION=nnnnK  
//STEP1    EXEC  PGM=ADDRSSU  
//SYSPRINT DD  SYSOUT=A  
//SYSIN    DD  *
```



```
.....1.....2.....3.....4.....5.....6.....7 .....8  
/*
```

DFSMSdss Batch JCL:

Invoking DSS

```
//MYJOB    JOB   accounting info,REGION=nnnnK  
//STEP1    EXEC PGM=ADRDSSU  
//SYSPRINT DD SYSOUT=A  
//SYSIN    DD *
```



EXEC Statement

```
.....1.....2.....3.....4.....5.....6.....7 .....8  
/*
```


DFSMSdss Batch JCL:

Invoking DSS

```
//MYJOB    JOB   accounting info,REGION=nnnnK  
//STEP1    EXEC  PGM=ADDRSSU, PARM= 'UTILMSG=YES'  
//SYSPRINT DD  SYSOUT=A  
//SYSIN    DD   *
```



PARM Statement

```
.....1.....2.....3.....4.....5.....6.....7.....8  
/*
```

- UTILMSG
DSS may call Utilities to perform several operations. This setting will place utility output into our SYSPRINT

```
//MYJOB    JOB   accounting info,REGION=nnnnK  
//STEP1    EXEC  PGM=ADDRSSU  
//SYSPRINT DD  SYSOUT=A  
//SYSIN     DD  *
```



SYSPRINT DD

.....1.....2.....3.....4.....5.....6.....7.....8
/*

- A sequential message data set residing on:
 - System output device
 - TAPE volume
 - DASD volume
- 84 <= LRECL <= 137

```
//MYJOB    JOB   accounting info,REGION=nnnnK  
//STEP1    EXEC  PGM=ADRDSSU  
//SYSPRINT DD  SYSOUT=A  
//SYSIN    DD   *
```



Command data set

.....1.....2.....3.....4.....5.....6.....7.....8
/*

- Typically an input stream
 - Can be sequential or portioned data set member with LRECL=80, Fixed.

DFSMSdss Batch JCL:

Invoking DSS

```
//MYJOB    JOB   accounting info,REGION=nnnnK  
//STEP1    EXEC  PGM=ADRDSSU  
//SYSPRINT DD  SYSOUT=A  
//SYSIN    DD   *
```



Columns 2 through 72

.....1.....2.....3.....4.....5.....6.....7.....8
/*

DFSMSdss Batch JCL:

Invoking DSS

```
//MYJOB    JOB   accounting info,REGION=nnnnK  
//STEP1    EXEC  PGM=ADRDSSU  
//SYSPRINT DD  SYSOUT=A  
//SYSIN    DD   *
```

Columns 2 through 72

.....1.....2.....3.....4.....5.....6.....7.....8
/*

Characters in column 1 or 73-80 are ignored
** May result in unpredictable results ***

```
//MYJOB      JOB   accounting info,REGION=nnnnK
//STEP1      EXEC  PGM=ADRDSSU
//SYSPRINT   DD   SYSOUT=A
//INPUT      DD   DISP=SHR,UNIT=SYSDA,VOL=SER=VOL001
//OUTPUT     DD   DISP=(,CATLG),DSN=TDS.DUMP1,
//              DCB=(RECFM=U,LRECL=32760,BLKSIZE=0),
//              UNIT=SYSDA,SPACE=(CYL,(10,50))
//SYSIN      DD   *
              DUMP DATASET(INCLUDE(DSSDATA.**)) INDD(INPUT) OUTDD(OUTPUT)
```

```
.....1.....2.....3.....4.....5.....6.....7.....8
/*
```

```
//MYJOB      JOB   accounting info,REGION=nnnnK
//STEP1      EXEC  PGM=ADRDSSU
//SYSPRINT   DD   SYSOUT=A
//INPUT      DD   DISP=SHR,UNIT=SYSDA,VOL=SER=VOL001
//OUTPUT    DD   DISP=(,CATLG),DSN=TDS.DUMP1,
//              DCB=(RECFM=U,LRECL=32760,BLKSIZE=0),
//              UNIT=SYSDA,SPACE=(CYL,(10,50))
//SYSIN     DD   *
/* THIS IS A COMMENT:  NOT REQUIRED TO USE ALL 72 COLUMNS */

                DUMP DATASET(INCLUDE(DSSDATA.**)) -

                                                    INDD(INPUT) OUT+
DD(OUTPUT)

.....1.....2.....3.....4.....5.....6.....7.....8
/*
```

```
//MYJOB      JOB   accounting info,REGION=nnnnK
//STEP1      EXEC  PGM=ADRDSSU
//SYSPRINT   DD   SYSOUT=A
//INPUT      DD   DISP=SHR,UNIT=SYSDA,VOL=SER=VOL001
//OUTPUT    DD   DISP=(,CATLG),DSN=TDS.DUMP1,
//              DCB=(RECFM=U,LRECL=32760,BLKSIZE=0),
//              UNIT=SYSDA,SPACE=(CYL,(10,50))
//SYSIN     DD   *
/* THIS IS A COMMENT:  NOT REQUIRED TO USE ALL 72 COLUMNS */

      DUMP DATASET(INCLUDE(DSSDATA.**)) -
      INDD(INFO1) COPY

DD(OUTPUT)
```

.....1.....2.....3.....4.....5.....6.....7.....8
/*



Command continuation

DFSMSdss Batch JCL:

Invoking DSS

```
//MYJOB      JOB   accounting info,REGION=nnnnK
//STEP1      EXEC  PGM=ADRDSSU
//SYSPRINT   DD   SYSOUT=A
//INPUT      DD   DISP=SHR,UNIT=SYSDA,VOL=SER=VOL001
//OUTPUT    DD   DISP=(,CATLG),DSN=TDS.DUMP1,
//              DCB=(RECFM=U,LRECL=32760,BLKSIZE=0),
//              UNIT=SYSDA,SPACE=(CYL,(10,50))
//SYSIN     DD   *
/* THIS IS A COMMENT:  NOT REQUIRED TO USE ALL 72 COLUMNS */

                DUMP DATASET(INCLUDE(DSSDATA.**)) -
                INDD(INPUT) OUT+
DD(OUTPUT)

.....1.....2.....3.....4.....5.....6.....7.....8
/*
```



Word continuation

Space Management.

DEFRAG:

Space Management

Consolidates the free space on a volume to help prevent out-of-space abends on new allocations.

Track managed and Cylinder managed regions treated separately

```
//MYJOB      JOB   accounting info,REGION=nnnnK
//STEP1      EXEC  PGM=ADRDSSU
//SYSPRINT   DD   SYSOUT=A
//INPUT      DD   DISP=SHR,UNIT=SYSDA,VOL=SER=VOL001
//SYSIN      DD   *
```

```
DEFRAG DDNAME(INPUT) FASTREPLICATION(PREF)
```

```
.....1.....2.....3.....4.....5.....6.....7.....8
/*
```

Additional keywords available to tailor the request.

CONSOLIDATE:

Space Management

Performs data set extent consolidation or reduction.

```
//MYJOB      JOB   accounting info,REGION=nnnnK
//STEP1      EXEC  PGM=ADRDSSU
//SYSPRINT   DD   SYSOUT=A
//INPUT      DD   DISP=SHR,UNIT=SYSDA,VOL=SER=VOL001
//SYSIN      DD   *
```

```
CONSOLIDATE DATASET (INCLUDE (DSSDATA.**)) PHYSINDDNAME (INPUT) FR (PREF)
```

```
.....1.....2.....3.....4.....5.....6.....7.....8
/*
```

Additional keywords available to tailor the request.

COMPRESS:

Space Management

De-gasses partitioned data sets (PDS) using IEBCOPY.

```
//MYJOB      JOB   accounting info,REGION=nnnnK
//STEP1      EXEC  PGM=ADRDSSU
//SYSPRINT   DD   SYSOUT=A
//INPUT      DD   DISP=SHR,UNIT=SYSDA,VOL=SER=VOL001
//SYSIN      DD   *
```

```
COMPRESS DATASET (INCLUDE (DSSDATA.**)) DDNAME (INPUT)
```

```
.....1.....2.....3.....4.....5.....6.....7.....8
/*
```

Additional keywords available to tailor the request.

CONVERTV:

Space Management

Convert a volume from non-SMS to SMS

- Can also convert SMS to non-SMS, not used as often because of data set conversion limitations.

```
//MYJOB      JOB   accounting info,REGION=nnnnK
//STEP1      EXEC  PGM=ADRDSSU
//SYSPRINT   DD   SYSOUT=A
//INPUT      DD   DISP=SHR,UNIT=SYSDA,VOL=SER=VOL001
//SYSIN      DD   *
```

```
CONVERTV SMS DDNAM(INPUT) TEST
```

```
.....1.....2.....3.....4.....5.....6.....7.....8
/*
```

- TEST keyword: Trial run, no actual conversion
- PREPARE keyword: Puts volume in state ready for conversion.

RELEASE:

Space Management

Releases allocated but unused space from sequential, partitioned, and extended-format VSAM data sets.

Can be performed using logical or physical processing.

```
//MYJOB      JOB   accounting info,REGION=nnnnK
//STEP1      EXEC  PGM=ADRDSSU
//SYSPRINT   DD   SYSOUT=A
//INPUT      DD   DISP=SHR,UNIT=SYSDA,VOL=SER=VOL001
//SYSIN      DD   *
```

```
RELEASE INCLUDE (DSSDATA.**)  SPHERE
```

```
.....1.....2.....3.....4.....5.....6.....7.....8
/*
```

SPACE RELEASE:

Space Management

For volumes that are Thin Provisioned.

Free space extents are released on the volume(s) so that space on chunk boundaries can be released back to the storage extent pool.

```
//MYJOB      JOB   accounting info,REGION=nnnnK
//STEP1      EXEC  PGM=ADRDSSU
//SYSPRINT   DD   SYSOUT=A
//INPUT      DD   DISP=SHR,UNIT=SYSDA,VOL=SER=VOL001
//SYSIN      DD   *
```

SPACEREL DDNAME (INPUT) MINCYLS (42)

```
.....1.....2.....3.....4.....5.....6.....7.....8
/*
```


CLOUDUTILS:

Space Management

LIST or DELETE dump data sets residing in object-storage (CLOUD)

Operates on DSS dump data only

Any cloud type is supported; however browsers (like CYBERDUCK) cannot browse object store on TAPE servers.

```
//MYJOB      JOB   accounting info,REGION=nnnnK
//STEP1      EXEC  PGM=ADRDSSU
//SYSPRINT   DD   SYSOUT=A
//INPUT      DD   DISP=SHR,UNIT=SYSDA,VOL=SER=VOL001
//SYSIN      DD   *
```

```
CLOUDUTILS LIST CLOUD(MYCLOUD) CONTAINER(DSSDUMPS) -  
OBJPFX(MYPREFIX) CDACREDSTORE
```

```
.....1.....2.....3.....4.....5.....6.....7.....8  
/*
```

Availability Management.

DUMP/RESTORE:

Create backups of your data at varying levels:

- FULL (volume)
 - z/OS and zLinux volumes
- TRACKS (Specific tracks of a volume)
 - z/OS, zLinux, and zVM volumes
- DATASET
- PATH (UNIX files)

```
//MYJOB      JOB   accounting info,REGION=nnnnK
//STEP1      EXEC  PGM=ADRDSSU
//SYSPRINT   DD   SYSOUT=A
//OUTPUT     DD   DISP=(,CATLG),DSN=TDS.DUMP1,
//              DCB=(RECFM=U,LRECL=32760,BLKSIZE=0),
//              UNIT=SYSDA,SPACE=(CYL,(10,50))
//SYSIN      DD   *
              DUMP DATASET (INCLUDE (DSSDATA.**)) OUTDD (OUTPUT)
```

```
RESTORE DATASET (INCLUDE (**)) INDD (OUTPUT) RENAMEUNCONDITIONAL (NEWDATA)
```

```
.....1.....2.....3.....4.....5.....6.....7.....8
```

```
/*
```

DUMP:

Availability Management

Delete data sets

- Take advantage of our filtering capability
- Data sets do not need to be cataloged

```
//MYJOB      JOB   accounting info,REGION=nnnnK
//STEP1      EXEC  PGM=ADRDSSU
//SYSPRINT   DD   SYSOUT=A
//OUTPUT     DD   DUMMY
//SYSIN      DD   *
      DUMP DATASET(INCLUDE(DSSDATA.***) BY(REFDT,LE,*, -366)) OUTDD(OUTPUT) -
      DELETE PURGE

.....1.....2.....3.....4.....5.....6.....7.....8
/*
```

RESTORE:

Availability Management

What is in the backup?

- Use PARM='TYPRUN=NORUN'

```
//MYJOB      JOB   accounting info,REGION=nnnnK
//STEP1      EXEC  PGM=ADRDSSU, PARM= 'TYPRUN=NORUN'
//SYSPRINT   DD   SYSOUT=A
//INPUT      DD   DSN=TDS.DUMP1,DISP=SHR
//SYSIN      DD   *
      RESTORE DATASET(INCLUDE(**)) INDD(INPUT)
.....1.....2.....3.....4.....5.....6.....7.....8
/*
```

Stand-Alone services :

Need to restore Full volume images so that you can IPL z/OS?

Step 1: Keep a BUILDSEA IPLable image on DASD or TAPE.

Step 2: From HMC, IPL from device that has BUILDSEA image.

Step 3: Using DFSMSDss Stand alone services, Restore full volume images from TAPE

Data movement and Replication.

COPY DATASET:

Data movement and Replication

Make copies of your data sets:

- Give new copies a new name (RENAMEUNCONDITIONAL)
- Replace old copies with the same name (REPLACEUNCONDITIONAL)
- Change SMS management detail (STORCLAS, MGMTCLAS, NULLSTORCLAS, NULLMGMTCLAS, BYPASSACS)
- Migrate to faster/different DASD (DELETE)

DSS will:

- Consolidate extents
- Maintain the source data set attributes (Compression, Encryption, etc).

COPY FULL:

Data movement and Replication

Migrate to Larger DASD at Volume-level

- Larger volume image is reflected as free space after Copy.

Make a temporary copy of your volume so that your backups are performed from the copy and does not affect production data access

- FlashCopy capability using DUMPCONDITIONED keyword.
 - FlashCopy discussion would need another session to cover!

COPY:

Data movement and Replication

```
//MYJOB      JOB   accounting info,REGION=nnnnK
//STEP1      EXEC  PGM=ADRDSSU, PARM= 'TYPRUN=NORUN'
//SYSPRINT   DD   SYSOUT=A
//SYSIN      DD   *
COPY FULL INDYNAM(VOL001) OUTDYNAM(VOL002) DUMPCONDITONING FR(PREF)

DUMP FULL INDYNAM(VOL002) FCWITHDRAW
.....1.....2.....3.....4.....5.....6.....7.....8
/*
```

RESULT:

- VOL01 and all its data is accessible for production use while DUMP is performed.
- DUMP of VOL01 data is performed via dump-conditioned VOL002

**You have been
initiated.**

References:

z/OS DFSMSdss Storage Administration Guide

z/OS DFSMSdss Storage Administration Reference

z/OS DFSMS Advanced Copy Services (Fast Replication, ConcurrentCopy, etc)

Latest Development in DSS:

If time permits...

- UNIX file-level backup and restore
 - Previously can only backup and restore File system level (zFS)
 - Now can use DSS/HSM for file-level
- Cloud support for backup and restore – Transparent Cloud Tiering
 - MIPs are used for bringing data into host and writing out to backup media
 - IBM Disk and Tape storage solution to move user data transparently (no MIPs) to the cloud.
 - Traditional object storage or Tape-Object storage.

UNIX File-level backup:

If time permits...

```
DUMP PATH(INCLUDE('usr/lib/nls/locale/Bg_BG.lp64')) -  
WORKINGDIRECTORY('/') OUTDDNAME(OUTPUTDD) CLONE(PREFERRED)  
ADR101I (R/I)-RI01 (01), TASKID 001 HAS BEEN ASSIGNED TO COMMAND 'DUMP '  
ADR109I (R/I)-RI01 (01), 2020.311 11:30:28 INITIAL SCAN OF USER CONTROL STATEMENTS COMPLETED  
ADR050I (001)-PRIME(01), DFSMSDSS INVOKED VIA APPLICATION INTERFACE  
ADR035I (001)-PRIME(50), INSTALLATION EXIT ALTERED TAPE BLOCK SIZE DEFAULT TO 32 K-BYTES  
ADR016I (001)-PRIME(01), RACF LOGGING OPTION IN EFFECT FOR THIS TASK  
ADR006I (001)-STEND(01), 2020.311 11:30:28 EXECUTION BEGINS  
ADR650I (001)-UDFLT(01), ALL PATHS ARE RELATIVE TO WORKING DIRECTORY  
/  
ADR664I (001)-DTUNX(01), 2020.311 11:30:28 PATH FILTERING IS COMPLETE. 5 OF 5 FILES WERE SELECTED  
ADR454I (001)-UPRTT(01), THE FOLLOWING FILES WERE SUCCESSFULLY PROCESSED  
      d ./usr  
      d ./usr/lib  
      d ./usr/lib/nls  
      d ./usr/lib/nls/locale  
      - ./usr/lib/nls/locale/Bg_BG.lp64  
ADR006I (001)-STEND(02), 2020.311 11:30:28 EXECUTION ENDS  
ADR013I (001)-CLTSK(01), 2020.311 11:30:28 TASK COMPLETED WITH RETURN CODE 0000  
ADR012I (SCH)-DSSU (01), 2020.311 11:30:28 DFSMSDSS PROCESSING COMPLETE. HIGHEST RETURN CODE IS 0000
```

TCT:

If time permits...

```
DUMP FULL INDD(INPUTV) -  
  CLOUD(RAYQUAZA) -  
  CONTAINER(GT123EXTENTS) -  
  OBJPFX(TEST)  DEBUG(CLMSG(S)) -  
  CDACREDSTORE ALLDATA(*)  ALLEXCP  
ADR101I (R/I)-RI01 (01), TASKID 002 HAS BEEN ASSIGNED TO COMMAND 'DUMP '  
ADR109I (R/I)-RI01 (01), 2020.296 20:46:08 INITIAL SCAN OF USER CONTROL STATEMENTS COMPLETED  
ADR016I (002)-PRIME(01), RACF LOGGING OPTION IN EFFECT FOR THIS TASK  
ADR006I (002)-STEND(01), 2020.296 20:46:08 EXECUTION BEGINS  
ADR603I (002)-CLDDR(01), OBJECT 'TEST/HDR ' WAS STORED TO THE CLOUD  
ADR603I (002)-CLDDR(01), OBJECT 'TEST/C9SS01/META/DTPTRK0 ' WAS STORED TO THE CLOUD  
ADR603I (002)-CLDDR(01), OBJECT 'TEST/C9SS01/META/DTPVTOC ' WAS STORED TO THE CLOUD  
ADR603I (002)-CLDDR(01), OBJECT 'TEST/C9SS01/META/DTPVVDs ' WAS STORED TO THE CLOUD  
ADR603I (002)-CLDDR(01), OBJECT 'TEST/C9SS01/META/DTPBTMT ' WAS STORED TO THE CLOUD  
ADR603I (002)-CLDDR(02), OBJECT 'TEST/C9SS01/DATA/EXTENTS000000001 ' WAS STORED TO THE CLOUD  
ADR603I (002)-CLDDR(02), OBJECT 'TEST/C9SS01/DATA/EXTENTS000000002 ' WAS STORED TO THE CLOUD  
ADR006I (002)-STEND(02), 2020.296 20:50:25 EXECUTION ENDS  
ADR013I (002)-CLTSK(01), 2020.296 20:50:25 TASK COMPLETED WITH RETURN CODE 0000  
ADR012I (SCH)-DSSU (01), 2020.296 20:50:25 DFSMSDSS PROCESSING COMPLETE. HIGHEST RETURN CODE IS 0000
```

Thank you

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