

# ISPF Master Class - DSLISTS and Member Lists and UDLISTs (Oh My!)

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# What we are going to cover?

- Data Set List Utility
- Member Lists
- Unix Directory List Utility

# Data Set List utility

Data Set List Utility

Option ==>

More: +

blank Display data set list                    P Print data set list  
V Display VTOC information                    PV Print VTOC information

Enter one or both of the parameters below:

Dsname Level . . . DAND.\*.EXEC

Volume serial . . . \_\_\_\_\_

Data set list options

Initial View

- 1 1. Volume
- 2. Space
- 3. Attrib
- 4. Total

Enter "/" to select option

- / Confirm Data Set Delete
- / Confirm Member Delete
- / Include Additional Qualifiers
- Display Catalog Name
- Display Total Tracks
- Prefix Dsname Level

When the data set list is displayed, enter either:

"/" on the data set list command field for the command prompt pop-up,

SDSF    \*DSLIST    EDIT    -CMD

# Dsname Level and Volume serial

- Patterns for Dsname Level

- % Represents any single character
- \* Represents 0 or more characters or a single qualifier
- \*\* Represents 0 or more qualifiers

- Examples

- DEV.V%%R%% Second qualifier with V and R in positions 1 and 4
- \*\*.EXEC All EXEC libraries (catalog search)
- DAND.\*.JCL Only data sets with DAND and JCL as 1<sup>st</sup> and 3<sup>rd</sup> qualifiers
- DAND.GDG(-2) Can specify relative GDG numbers

# Data set list options

- Initial View
  - Volume, Space, Attrib, Total (use LEFT/RIGHT from the list to switch)
- Other options (set with /)
  - Confirm Data Set Delete
  - Confirm Member Delete
  - Include Additional Qualifiers (affects list displayed)
  - Display Catalog Name
  - Display Total Tracks
  - Prefix Dsname Level (affects list displayed, may need to use ' prefix)

DSLIS**T** - Data Sets Matching DAND.\*.EXEC

Row 1 of 4

Command ==>

Scroll ==> PAGE

Command - Enter "/" to select action

Message

Volume

DAND.DEV.EXEC

LPTSM2

DAND.PROD.EXEC

LPTSM1

DAND.STAGING.EXEC

LPTSM5

DAND.TEST.EXEC

LPTSM2

\*\*\*\*\* End of Data Set list \*\*\*\*\*

SDSF \*DSLIS**T** EDIT -CMD

DSLISL - Data Sets Matching DAND.\*.EXEC

Row 1 of 4

Command ==>

Scroll ==> PAGE

Command - Enter "/" to select action

Message

Volume

Tracks	%	XT	Device	Dsorg	Recfm	Lrecl	Blksz	Created	Referred
-----									
DAND.DEV.EXEC									
20	52	2	3390	PO-E	FB	80	32720	2017/01/11	2019/03/04
-----									
DAND.PROD.EXEC									
1	41	1	3390	PO-E	FB	80	32720	2017/01/11	2019/03/04
-----									
DAND.STAGING.EXEC									
1	41	1	3390	PO-E	FB	80	32720	2017/01/11	2019/03/04
-----									
DAND.TEST.EXEC									
1	50	1	3390	PO-E	FB	80	32720	2017/01/11	2019/03/04

\*\*\*\*\* End of Data Set List \*\*\*\*\*

SDSF \*DSLISL EDIT -CMD



# Line Commands that have been around

- B Browse a data set/member(s)
- C Catalog a data set
- D Delete a data set/member(s)
- E Edit a data set/member(s)
- F Free unused space units from a data set
- I Display data set information (including PDS directory blocks/members)
- M Display extended member list for a data set (or partial member list)

# Line Commands that have been around (cont.)

- P Print the data set attributes and members to LIST data set
- PX Print the data set index listing to the LIST data set
- R Rename a data set
- S Display data set information
- U Un-catalog a data set
- V View a data set/member(s)
- = Repeat previous line
- / Display pop-up of commands

# Line Commands you may not be aware of

- // Block command prefix
- AL Allocate a new data set based upon current
- CO Copy a data set/member(s) to existing or new data set/member
- MO Copy a data set/member(s) to existing or new data set/member
- X Exclude a data set
- NX Show excluded data sets
- NXF Show first excluded data set
- NXL Show last excluded data set

# Line Commands you may not be aware of (cont.)

- RA Add data set to a reference list (REFOPEND command to edit lists)
- RS Reset member statistics
- SC Compare (NDSN, ODSN, NVOL, OVOL, M, PROMPT parms)
- SCE Extended Compare (NDSN, ODSN, NVOL, OVOL, M, PROMPT parms)
- SF SearchFor (search string or B, E, or V parms)
- SFE Extended SearchFor (search string or B, E, or V parms)

DSLIST - Data Sets Matching DAND

Row 26 of 42

Command ==>

Scroll ==> PAGE

Command - Enter "/" to select action

Message

Volume

Command	Message	Volume
	DAND.ERROR.REPORT.G0020V00	LPTSM3
//v	DAND.ERROR.REPORT.G0021V00	LPTSM5
	DAND.ERROR.REPORT.G0022V00	LPTSM5
//	DAND.ERROR.REPORT.G0023V00	LPTSM5
x	DAND.ERROR.REPORT.G0024V00	LPTSM5
e	DAND.FINDLIST.INPUT	LPTSM2
=	DAND.GENTEST	LPTSM6
v / (ISR*)	DAND.ISPPROF	LPTSM4
v	DAND.JCL(gener)	LPTSM5
	DAND.PROD.EXEC	LPTSM1
sf e	DAND.SPUFI	LPTSM6
a	'DAND.STAGING.EXEC.new'	LPTSM5
sce odsn('dand.jcl')	JCLLIB	LPTSM5
sf e	DAND.TABLES	LPTSM1
	DAND.TEAM.SPUFI	LPTSM4
hmigrate / m12	EST	LPTSM3
ra	DAND.TEST.EXEC	LPTSM2

D		Allocate Target Data Set	42
C	Command ==>	_____	GE
C	Specified data set DAND.STAGING.EXEC.NEW		me
-	does not exist.		---
	If you wish to allocate this data set, select one of the options		M5
	below.		M5
			M5
	Allocation Options:		yed
	<u>1</u> 1. Allocate using the attributes of:		M2
	DAND.STAGING.EXEC		M6
	2. Specify allocation attributes		M4
			M5
	<u>_</u> Use existing SMS attributes for option 1		M1
			M6
a	Instructions:		M5
	Press ENTER to allocate data set.		M5
	Enter CANCEL or END to cancel allocation.		M1
			M4
			LPTSM3
	DAND.TEST.EXEC		LPTSM2
	***** End of Data Set list *****		

COMPARE DAND.SYSTEM.JCLLIB Row 0000001 of 0000002  
Command ==> Scroll ==> CSR

Enter END command to process selections or CANCEL to leave the member list.  
Enter Old member(Oldmem) name if it is different from New member(Newmem) name.

Newmem	Oldmem	Size	Created	Changed	ID
. GENER3		82	2018/02/05	2018/02/05 23:15:46	TDD4
. PRD100		31	2018/02/15	2018/02/15 21:02:41	TDD4
**End**					

Command ==>

You are about to search the members of the data set(s) specified.  
Specify search string(s) and options and press ENTER to run the search.  
Enter the END or the CANCEL command to cancel the search.

==> FETCH

==> UR C

==>

==>

==>

==>

Listing DSN: 'DAND.SRCHML.LIST'

Select Process Options with /

- Mixed Mode
- Any case
- ASCII
- Set EDIT FIND string
- Set BROWSE FIND string

Select Output Options with /

- View output
- Save output
- Filter list



```
EDIT
Command ==> DAND.SPUFI String(s) found
                Scroll ==> CSR
                Name Prompt Size Created Changed ID
-----
SYSTABLE *Found 34 2017/03/03 2017/03/03 15:25:30 TDD4
SYSTABL2 *Found 33 2017/02/24 2017/02/24 15:41:36 TDD4
TABLES *Found 62 2017/02/27 2017/02/27 15:24:32 TDD4
**End**
```

Personal Data Set List Add

Enter a Personal List Name:

List Name . . . TEST

Press ENTER to add data set.  
Press CANCEL to cancel Refadd.

Row 26 of 42  
Scroll ==> PAGE

Message

Volume

-----  
LPTSM3  
LPTSM5  
LPTSM5  
LPTSM5  
LPTSM5  
LPTSM2  
LPTSM6  
LPTSM4  
LPTSM5  
LPTSM1  
LPTSM6  
LPTSM5  
LPTSM5  
LPTSM1  
LPTSM4  
LPTSM3  
LPTSM2

sf e DAND.SPUFI  
al 'DAND.STAGING.EXEC.new'  
sce odsn('dand.jcl') JCLLIB  
sf e DAND.TABLES  
DAND.TEAM.SPUFI  
hmigrate / m12 EST  
ra DAND.TEST.EXEC

DSLIS**T** - Data Sets Matching DAND.\*\*.G\*

Row 1 of 25

Command ==>

Scroll ==> PAGE

Command - Enter "/" to select action

Message

Volume

---

//FIND 446 ND.ERROR.REPORT.G0001V00		LPTSM5
DAND.ERROR.REPORT.G0002V00		LPTSM3
DAND.ERROR.REPORT.G0003V00		LPTSM5
DAND.ERROR.REPORT.G0004V00		LPTSM3
DAND.ERROR.REPORT.G0005V00		LPTSM5
DAND.ERROR.REPORT.G0006V00		LPTSM3
DAND.ERROR.REPORT.G0007V00		LPTSM5
DAND.ERROR.REPORT.G0008V00		LPTSM3
DAND.ERROR.REPORT.G0009V00		LPTSM5
DAND.ERROR.REPORT.G0010V00		LPTSM5
DAND.ERROR.REPORT.G0011V00		LPTSM5
DAND.ERROR.REPORT.G0012V00		LPTSM5
DAND.ERROR.REPORT.G0013V00		LPTSM3
DAND.ERROR.REPORT.G0014V00		LPTSM3
DAND.ERROR.REPORT.G0015V00		LPTSM5
DAND.ERROR.REPORT.G0016V00		LPTSM5
// DAND.ERROR.REPORT.G0017V00		LPTSM3

\*\*\*\*\* Top of Data \*\*\*\*\*

000100	ORDER			SAP PR/PO		R			
000200	NUMBER	ITEM	TYPE	NUMBER	ITEM	O	ERR	MESSAGE	
000300	200953467	000300	ADD	0082228664	00010	R	404	SAP MATL DSC BLANK	
000400	200953467	000300	ADD	0082228664	00010	R	412	SAP HI MATL DSC BLNK	
000500	200953467	000300	ADD	0082228664	00010	R	413	HI PART9 BLANK	
000600	200953467	000300	ADD	0082228664	00010	R	414	HI COL SEQ CD BLANK	
000700	200953467	000300	ADD	0082228664	00010	R	415	HI AMAPS VAR BLANK	
000800	200953467	000300	ADD	0082228664	00010	R	420	PART9 BLANK	
000900	200953467	000300	ADD	0082228664	00010	R	421	COL SEQ CD BLANK	
001000	200953467	000300	ADD	0082228664	00010	R	446	AMAPS VAR BLANK	
001100	200948531	000100	ADD	0082228643	00010	R	404	SAP MATL DSC BLANK	
001200	200948531	000100	ADD	0082228643	00010	R	412	SAP HI MATL DSC BLNK	
001300	200948531	000100	ADD	0082228643	00010	R	413	HI PART9 BLANK	
001400	200948531	000100	ADD	0082228643	00010	R	414	HI COL SEQ CD BLANK	
001500	200948531	000100	ADD	0082228643	00010	R	415	HI AMAPS VAR BLANK	
001600	200948531	000100	ADD	0082228643	00010	R	420	PART9 BLANK	
001700	200948531	000100	ADD	0082228643	00010	R	421	COL SEQ CD BLANK	
001800	200948531	000100	ADD	0082228643	00010	R	446	AMAPS VAR BLANK	
001900	200955263	000110	CHG	4503296076	00010	O	994	BYPASSED-SUPERCEDED	
002000	200955263	000110	CHG	4503296076	00010	O	989	PENDING HOLD RESET	
002100	200955263	000102	CHG	4503296076	00020	O	994	BYPASSED-SUPERCEDED	

DSLIS<sup>T</sup> - Data Sets Matching DAND.\*\*.G\*

Row 1 of 25

Command ==>

Scroll ==> PAGE

Command - Enter "/" to select action

Message

Volume

Command	Message	Volume
DAND.ERROR.REPORT.G0001V00	String not found	LPTSM5
DAND.ERROR.REPORT.G0002V00	String not found	LPTSM3
DAND.ERROR.REPORT.G0003V00	String not found	LPTSM5
DAND.ERROR.REPORT.G0004V00	String not found	LPTSM3
DAND.ERROR.REPORT.G0005V00	String not found	LPTSM5
DAND.ERROR.REPORT.G0006V00	String not found	LPTSM3
DAND.ERROR.REPORT.G0007V00	String not found	LPTSM5
DAND.ERROR.REPORT.G0008V00	String not found	LPTSM3
DAND.ERROR.REPORT.G0009V00	String found	LPTSM5
DAND.ERROR.REPORT.G0010V00	String not found	LPTSM5
DAND.ERROR.REPORT.G0011V00	String not found	LPTSM5
DAND.ERROR.REPORT.G0012V00	String not found	LPTSM5
DAND.ERROR.REPORT.G0013V00	String not found	LPTSM3
DAND.ERROR.REPORT.G0014V00	String not found	LPTSM3
DAND.ERROR.REPORT.G0015V00	String not found	LPTSM5
DAND.ERROR.REPORT.G0016V00	String not found	LPTSM5
DAND.ERROR.REPORT.G0017V00	String not found	LPTSM3

# FIND 3.4 command/macro

## FIND EXEC

- Calls VIEW with data set passed, FINDMAC initial macro and find parameters
- VGETS response from macro
- Sets ZDLMSG variable to set message in 3.4

## FINDMAC Macro

- Performs the find
- Checks for count (for when ALL is specified)
- VPUTs response
- CANCELs if string not found

```
Command ==> Scroll ==> CSR
000001 /***** Rexx *****/
000002 /* Run FINDMAC macro against sequential data set in option 3.4. */
000003 /* Sets ZDLMSG as the message for 3.4 to display. */
000004 /*****/
000005 Arg data
000007 dsncstart = Lastpos("'",Left(data,length(data)-1))
000008 Parse Var data findstr =(dsncstart) dsn
000010 Address ISPEXEC "VIEW DATASET("dsn") MACRO(FINDMAC) PARM(FINDSTR)"
000011 Address ISPEXEC "VGET (FINDRC,FINDCNT) SHARED"
000012 Select
000013   when findrc = 0 Then
000014     if findcnt > 1 Then
000015       zdlmsg = findcnt "found"
000016     else
000017       zdlmsg = "string found"
000018   when findrc = 4 Then
000019     zdlmsg = "string not found"
000020   otherwise
000021     zdlmsg = "Error occurred"
000022 End
000023 Address ISPEXEC "VPUT (ZDLMSG) SHARED"
000024 Exit findrc
```

Command ==&gt; Scroll ==&gt; CSR

```
***** Top of Data *****
000001 /***** REXX *****/
000002 /* Edit Macro used by FIND exec. Searches for findstr passed as a */
000003 /* parameter and returns findrc and findcnt. */
000004 /***** */
000005 Trace
000006 Address ISREDIT "MACRO (FINDSTR)"
000007 Address ISREDIT "F "findstr
000008 findrc = rc
000009 Address ISREDIT "(FINDCNT) = FIND_COUNTS"
000010 findcnt = findcnt + 0
000011 Address ISPEXEC "VPUT (FINDRC,FINDCNT) SHARED"
000012 If findrc = 4 Then
000013     Address ISREDIT "CAN"
***** Bottom of Data *****
```



# Variables available in SHARED Pool

• ZDLDSN	Data Set Name (fully qualified, no quotes)	44
• ZDLCMD	Line command	9
• ZDLLCMD	Expanded Line command	255
• ZDLVOL	Volume	6
• ZDLMVOL	Multi-Volume Indicator	1
• ZDLDEV	Device type	4
• ZDLMIGR	Whether data set is migrated (YES or NO)	3

# Variables available in SHARED Pool ...

• ZDLSIZE	Data set size in tracks	6
• ZDLSIZEX	Data set size in tracks, long format	12
• ZDLEXT	Number of extents used	3
• ZDLEXTX	Number of extents used, long format	5
• ZDLUSED	Percentage of used tracks	3
• ZDLOVF	Space overflow indicator (YES or NO)	3
• ZDLSPACU	Space Units	10

# Variables available in SHARED Pool ...

- ZDLDSORG Data set organization 4
- ZDLLRECL Data set record length 5
- ZDLRECFM Data set record format 5
- ZDLBLKSZ Data set block size 5
- ZDLCDATE Creation date 10
- ZDLRDATE Last reference date 10
- ZDLEDATE Expiration date or \*\*\*None\*\*\* 10

# Variables available in SHARED Pool ...

- ZDLCAT      Cataloged Status (0/2/4/6/8)      1
- ZDLCATNM    Name of the catalog in which data set located    44
- ZDLCONF      Delete confirmation (Y or N)      1
- ZDLDSNTP    Data set name type      8
- ZDLXSTAT    Exclude Status      1

# Variables available in SHARED Pool ... (only for Display Total Tracks)

- |            |  |    |
|------------|--|----|
| • ZDLSIZET | Total Tracks of all data sets in list    | 19 |
| • ZDLSIZTX | ZDLSIZET for only non-excluded data sets | 19 |
| • ZDL DST  | Total number of data sets in the list    | 6  |
| • ZDL DSX  | ZDL DST for only non-excluded data sets  | 6  |
- 
- Note: ZDLSIZET and ZDLSIZTX are only available if the list is displayed in SPACE or TOTAL view

# Variables that can be returned in SHARED Pool

- ZDLNDSN    New data set name to appear in list                    44
- ZDLMSG    Message to appear in list    16
- ZDLREF     Refresh data set information (Y or N)                            1

# Primary Commands that have been around

- APPEND      Append a personal list or data set level to the current list
- CONfirm     Confirms a data set delete request
- Locate       Locates an entry in the list based upon the sorted order
- REFresh     Refreshes the displayed list
- RESet       Resets excluded data sets and removes line commands/messages
- SAVE        Save the list to the LIST data set or userid.XXX.DATASETS
- SHOWcmd    Shows the line command before invoked
- SORT        Sorts the list using one or two column names

# Primary Commands you may not be aware of

- DSLSET      Displays the data set list settings panel
- EXclude/X   Excludes a data set containing string within data set name
- Find        Finds string within data set name
- Member     Searches all partitioned data sets for member name/pattern  
                   (X/EX, NX, RECALL1, RECALL2 parms)
- SRCHFOR    Search for string among data sets (no parm for panel)
- LC         Display the Data Set List Color Change Utility
- VA         Display the Attribute view
- VS         Display the Space view
- VT         Display the Totals view
- VV         Display the Volume view



Data Set List Settings Main

General options

Enter "/" to select option

- Display Edit/View/Browse entry panel (\*)
- Automatically update reference lists
- List pattern for MO, CO, D, and RS actions
- Show status for MO, CO, D, and RS actions
- Confirm Member delete
- Confirm Data Set delete
- Do not show expanded command
- Enhanced member list for Edit, View, and Browse
- Display Total Tracks
- Execute Block Commands for excluded Data Sets
- Display Expiration Date

(\*) Requires enhanced member list option to be selected

Press EXIT to save, CANCEL to cancel changes.

Command ==>

You are about to search multiple data sets.  
Specify search string(s) and options and press ENTER to run the search.  
Enter the END or the CANCEL command to cancel the search.

More: +

==> 200945422

==>

==>

==>

==>

==>

Listing DSN: 'DAND.SRCHDSL.LIST'

Select Process  
Options with /

  Mixed Mode  
/ Any case  
  ASCII

Search  
Migrated

3 1. None  
  2. First level  
  3. All

Search  
Excluded

2 1. Excluded  
  2. Non-excluded  
  3. Both

Select Display  
Options with /

  View output  
/ Exclude not  
  found

# Data Set List Color Change Utility

Defaults

Command ==>

Change one or more of the Data Set List Field Attributes and press Enter to immediately see the effect. Clearing a field restores defaults.

Field:	Color:	Intens:	Hilite:	Defaults:
Volume . . . . .	BLUE . . . . .	LOW . . . . .	NONE . . . . .	Blue
* Data Set Name . . . . .	GREEN . . . . .	LOW . . . . .	NONE . . . . .	Green
Data Set Stats . . . . .	TURQ . . . . .	LOW . . . . .	NONE . . . . .	Turquoise
Create, Expire, Catalog . . . . .	YELLOW . . . . .	LOW . . . . .	NONE . . . . .	Yellow
Message . . . . .	WHITE . . . . .	LOW . . . . .	NONE . . . . .	white
Tracks, Device . . . . .	WHITE . . . . .	LOW . . . . .	NONE . . . . .	white
Marked Data Set . . . . .	YELLOW . . . . .	HIGH . . . . .	NONE . . . . .	Yellow

More: +

\* / Use Point-and-Shoot field attributes on Data Set Name field

## Example

-----  
 Command - Enter '/' to select action  
 Tracks % XT Device Dsorg Recfm Lrecl Blksz Message Volume  
 Catalog Created Referred

ISP.SISPLOAD										Browsed		HSM001
39	44	1	3390	PO	U	0	6144	2003/06/24	2003/10/09			
SYS1.USERCAT1												

DSLIS**T** - Data Sets Matching DAND

Row 1 of 45

Command ==> X ALL .REPORT

scroll ==> PAGE

Command - Enter "/" to select action

Message

Volume

---

DAND		*ALIAS
DAND.COBOL		LPTSM5
DAND.DATA		LPTSM1
DAND.DATA.COPY		ZOSXC2
DAND.DEV.EXEC		LPTSM2
DAND.DEV.PANELS		LPT002
DAND.ERROR.REPORT		??????
DAND.ERROR.REPORT.G0001V00		LPTSM5
DAND.ERROR.REPORT.G0002V00		LPTSM3
DAND.ERROR.REPORT.G0003V00		LPTSM5
DAND.ERROR.REPORT.G0004V00		LPTSM3
DAND.ERROR.REPORT.G0005V00		LPTSM5
DAND.ERROR.REPORT.G0006V00		LPTSM3
DAND.ERROR.REPORT.G0007V00		LPTSM5
DAND.ERROR.REPORT.G0008V00		LPTSM3
DAND.ERROR.REPORT.G0009V00		LPTSM5
DAND.ERROR.REPORT.G0010V00		LPTSM5

DSLIST - Data Sets Matching DAND

25 - CHARS '.REPORT'

Command ==> M LMMLIST\* NX

scroll ==> PAGE

Command - Enter "/" to select action

Message

Volume

-----

- - - - -

25 data set(s) not displayed

DAND.FINDLIST.INPUT	LPTSM2
DAND.GENTEST	LPTSM6
DAND.ISPPROF	LPTSM4
DAND.JCL	LPTSM5
DAND.PARMLIB.MEMBERS	LPTSM1
DAND.PROD.EXEC	LPTSM1
DAND.SPUFI	LPTSM6
DAND.STAGING.EXEC	LPTSM5
DAND.SYSTEM.JCLLIB	LPTSM5
DAND.SYS1.PARMLIB	LPTSM3
DAND.TABLES	LPTSM1
DAND.TEAM.SPUFI	LPTSM4
DAND.TEST	LPTSM3
DAND.TEST.EXEC	LPTSM2

\*\*\*\*\* End of Data set list \*\*\*\*\*

DSLISIT - Data Sets Matching DAND  
 Command ==>

Member(s) found  
 scroll ==> PAGE

Command - Enter "/" to select action

Message

Volume

Command	Message	Volume
DAND.DEV.EXEC	Member: LMMLIST*	LPTSM2
DAND.DEV.PANELS		LPT002
- - - - -	25 data set(s) not displayed	
DAND.FINDLIST.INPUT		LPTSM2
DAND.GENTEST		LPTSM6
DAND.ISPPROF		LPTSM4
DAND.JCL		LPTSM5
DAND.PARMLIB.MEMBERS		LPTSM1
DAND.PROD.EXEC		LPTSM1
DAND.SPUFI		LPTSM6
DAND.STAGING.EXEC	Member: LMMLIST*	LPTSM5
DAND.SYSTEM.JCLLIB		LPTSM5
DAND.SYS1.PARMLIB		LPTSM3
DAND.		LPTSM1
DAND.	Member LMMLIST* found in	LPTSM4
DAND.	2 data sets.	LPTSM3
DAND.TEST.EXEC		LPTSM2

# Alternate ways to access data set lists

- DSLIST command
  - DSLIST exec  
Display a list from any command line
  - DSLIST 'SYS1'  
Displays data sets beginning with userid.EXEC
  - DSLIST MY  
Displays data sets beginning with SYS1
  - DSLIST  
Displays the MY reference list
  - Displays list of reference lists
  
- LMDLIST Service  
Queries a list of data sets for a dsname level
  
- LMDDISP Service  
Displays a data set list for a dsname level

DSL<sup>1</sup>IST - Data Sets Matched in list MY

Row 1 of 3

Command ==>

scroll ==> PAGE

Command - Enter "/" to select action

Message

Volume

---

e / (ge*)	DAND.DEV.EXEC	LPTSM2
	DAND.JCL	LPTSM5
	DAND.SPUFI	LPTSM6

\*\*\*\*\* End of Data Set list \*\*\*\*\*



# LMDLIST Service

- Creates a list of data sets with data set statistics optionally returned
- LMDINIT service first run to associate the Dsname Level/Volume with a dslist-id
- Options
  - LIST – First call builds the list and returns the first data set name, subsequent call returns next
  - FREE – Called after the last LIST call to clear storage
  - SAVE/SAVEC – Writes data set names and, optionally, statistics
  - TOTALS – sets ZDLSIZET (Total Size) and ZDLNST (Total data set count) variables
- LMDFREE service to free the dslist-id

Command ==&gt; \_\_\_\_\_ Scroll ==&gt; CSR

```

***** Top of Data *****
000001 /***** REXX *****/
000002 /* Exec to query list of data sets using the ISPF LMDLIST service with*/
000003 /* the LIST option return a list of data sets and statistics for */
000004 /* processing. */
000005 /***** */
000006 level      = "DAND.**.G%%V%" /* Dsname Level */
000007 vol        = ""              /* Volume */
000008 stats      = "YES"          /* Include stats (YES|NO|PRT) */
000009 dsvar      = ""              /* First data set to return */
000010 status     = "NO"           /* Show status bar (NO|YES) */
000011
000012 /* LMDINIT the associate the level/volume with a dslid-id. */
000013 Address ISPEXEC "LMDINIT LISTID(LISTIDV) LEVEL("level") VOLUME("vol")"
000014
000015 Do Until rc <> 0
000016   Address ISPEXEC "LMDLIST LISTID("listidv") OPTION(LIST)",
000017                 "DATASET(DSVAR) STATS("stats") STATUS("status)"
000018   If rc = 0 Then
000019     Say Left(dsvar,44) zdlsize "Track(s)" zdlext "Extent(s)"
000020 End
000021

```

```
EDIT          DAND.DEV.EXEC(LMDLIST1) - 01.00          Columns 00001 00072
Command ==> _____ Scroll ==> CSR
000021
000022 Address ISPEXEC "LMDLIST LISTID("listidv") OPTION(FREE)"
000023
000024 /* LMDFREE to free up the dslist-id association */
000025 Address ISPEXEC "LMDFREE LISTID("listidv")"
000026
000027 Exit
***** ***** Bottom of Data *****
```

DAND.ERROR.REPORT.G0001V00	11	Track(s)	1	Extent(s)
DAND.ERROR.REPORT.G0002V00	11	Track(s)	1	Extent(s)
DAND.ERROR.REPORT.G0003V00	11	Track(s)	1	Extent(s)
DAND.ERROR.REPORT.G0004V00	11	Track(s)	1	Extent(s)
DAND.ERROR.REPORT.G0005V00	11	Track(s)	1	Extent(s)
DAND.ERROR.REPORT.G0006V00	11	Track(s)	1	Extent(s)
DAND.ERROR.REPORT.G0007V00	11	Track(s)	1	Extent(s)
DAND.ERROR.REPORT.G0008V00	11	Track(s)	1	Extent(s)
DAND.ERROR.REPORT.G0009V00	11	Track(s)	1	Extent(s)
DAND.ERROR.REPORT.G0010V00	11	Track(s)	1	Extent(s)
DAND.ERROR.REPORT.G0011V00	11	Track(s)	1	Extent(s)
DAND.ERROR.REPORT.G0012V00	11	Track(s)	1	Extent(s)
DAND.ERROR.REPORT.G0013V00	11	Track(s)	1	Extent(s)
DAND.ERROR.REPORT.G0014V00	11	Track(s)	1	Extent(s)
DAND.ERROR.REPORT.G0015V00	11	Track(s)	1	Extent(s)
DAND.ERROR.REPORT.G0016V00	11	Track(s)	1	Extent(s)
DAND.ERROR.REPORT.G0017V00	11	Track(s)	1	Extent(s)
DAND.ERROR.REPORT.G0018V00	11	Track(s)	1	Extent(s)
DAND.ERROR.REPORT.G0019V00	11	Track(s)	1	Extent(s)
DAND.ERROR.REPORT.G0020V00	11	Track(s)	1	Extent(s)
DAND.ERROR.REPORT.G0021V00	11	Track(s)	1	Extent(s)
DAND.ERROR.REPORT.G0022V00	11	Track(s)	1	Extent(s)
DAND.ERROR.REPORT.G0023V00	11	Track(s)	1	Extent(s)

\*\*\*



```
Command ==> Scroll ==> CSR
***** Top of Data *****
000001 /***** REXX *****/
000002 /* Exec to query a data set name using a relative GDG number. */
000003 /***** */
000004 level = "DAND.ERROR.REPORT(0)" /* Dsname Level */
000005 vol = "" /* Volume */
000006 stats = "NO" /* Include stats (YES|NO|PRT) */
000007 dsvar = "" /* First data set to return */
000008 status = "NO" /* Show status bar (NO|YES) */
000009
000010 /* LMDINIT the associate the level/volume with a dslist-id. */
000011 Address ISPEXEC "LMDINIT LISTID(LISTIDV) LEVEL("level") VOLUME("vol")"
000012
000013 Address ISPEXEC "LMDLIST LISTID("listidv") OPTION(LIST)",
000014 "DATASET(DSVAR) STATS("stats") STATUS("status")"
000015 If rc = 0 Then
000016 Say Strip(dsvar,"T") "is the actual data set name for "level
000017
000018 Address ISPEXEC "LMDLIST LISTID("listidv") OPTION(FREE)"
000019
000020 /* LMDFREE to free up the dslist-id association */
000021 Address ISPEXEC "LMDFREE LISTID("listidv")"
```

DAND.ERROR.REPORT.G0024V00 is the actual data set name for DAND.ERROR.REPORT(0)  
\*\*\*

```
Command ==> Scroll ==> CSR
***** Top of Data *****
000001 /***** REXX *****/
000002 /* Exec to query list of data sets using the ISPF LMDLIST service with */
000003 /* the SAVE option to write information to userid.group.DATASETS or */
000004 /* to the ISPF LIST data set if no group is specified. */
000005 /***** */
000006 level = "DAND.ERROR.REPORT.G*" /* Dsname Level */
000007 vol = "" /* Volume */
000008 group = "LMD" /* Second qualifier for SAVE ds */
000009 saveds = group".DATASETS" /* SAVE output data set */
000010 stats = "YES" /* Include stats (YES|NO|PRT) */
000011 savetype = "SAVE" /* Save type (SAVE|SAVEC) */
000012 status = "YES" /* Show status bar (NO|YES) */
000013
000014 /* LMDINIT the associate the level/volume with a dslist-id. */
000015 Address ISPEXEC "LMDINIT LISTID(LISTIDV) LEVEL("level") VOLUME("vol")"
000016
000017 Address ISPEXEC "LMDLIST LISTID("listidv") OPTION("savetype"),
000018 "STATS("stats") GROUP("group") STATUS("status")"
000019
000020 /* LMDFREE to free up the dslist-id association */
000021 Address ISPEXEC "LMDFREE LISTID("listidv")"
```

```
EDIT          DAND.DEV.EXEC(LMDLIST3) - 01.01          columns 00001 00072
Command ==> _____ scroll ==> CSR
000022
000023 /* EDIT the data set information if not written to LIST data set */
000024 if group <> "" Then
000025     Address ISPEXEC "EDIT DATASET("saveds")"
000026 Exit
***** ***** Bottom of Data *****
```



Command ==> DSL2CMD HMIGRATE / ML2 Scroll ==> CSR

\*\*\*\*\* Top of Data \*\*\*\*\*

000001	DAND.ERROR.REPORT.G0001V00	LPTSM5	PS	FBA	133	279
000002	DAND.ERROR.REPORT.G0002V00	LPTSM3	PS	FBA	133	279
000003	DAND.ERROR.REPORT.G0003V00	LPTSM5	PS	FBA	133	279
000004	DAND.ERROR.REPORT.G0004V00	LPTSM3	PS	FBA	133	279
000005	DAND.ERROR.REPORT.G0005V00	LPTSM5	PS	FBA	133	279
000006	DAND.ERROR.REPORT.G0006V00	LPTSM3	PS	FBA	133	279
000007	DAND.ERROR.REPORT.G0007V00	LPTSM5	PS	FBA	133	279
000008	DAND.ERROR.REPORT.G0008V00	LPTSM3	PS	FBA	133	279
000009	DAND.ERROR.REPORT.G0009V00	LPTSM5	PS	FBA	133	279
000010	DAND.ERROR.REPORT.G0010V00	LPTSM5	PS	FBA	133	279
000011	DAND.ERROR.REPORT.G0011V00	LPTSM5	PS	FBA	133	279
000012	DAND.ERROR.REPORT.G0012V00	LPTSM5	PS	FBA	133	279
000013	DAND.ERROR.REPORT.G0013V00	LPTSM3	PS	FBA	133	279
000014	DAND.ERROR.REPORT.G0014V00	LPTSM3	PS	FBA	133	279
000015	DAND.ERROR.REPORT.G0015V00	LPTSM5	PS	FBA	133	279
000016	DAND.ERROR.REPORT.G0016V00	LPTSM5	PS	FBA	133	279
000017	DAND.ERROR.REPORT.G0017V00	LPTSM3	PS	FBA	133	279
000018	DAND.ERROR.REPORT.G0018V00	LPTSM5	PS	FBA	133	279
000019	DAND.ERROR.REPORT.G0019V00	LPTSM3	PS	FBA	133	279
000020	DAND.ERROR.REPORT.G0020V00	LPTSM3	PS	FBA	133	279
000021	DAND.ERROR.REPORT.G0021V00	LPTSM5	PS	FBA	133	279

Command ==>

Scroll ==> CSR

\*\*\*\*\* Top of Data \*\*\*\*\*

000001	HMIGRATE	'DAND.ERROR.REPORT.G0001V00'	ML2
000002	HMIGRATE	'DAND.ERROR.REPORT.G0002V00'	ML2
000003	HMIGRATE	'DAND.ERROR.REPORT.G0003V00'	ML2
000004	HMIGRATE	'DAND.ERROR.REPORT.G0004V00'	ML2
000005	HMIGRATE	'DAND.ERROR.REPORT.G0005V00'	ML2
000006	HMIGRATE	'DAND.ERROR.REPORT.G0006V00'	ML2
000007	HMIGRATE	'DAND.ERROR.REPORT.G0007V00'	ML2
000008	HMIGRATE	'DAND.ERROR.REPORT.G0008V00'	ML2
000009	HMIGRATE	'DAND.ERROR.REPORT.G0009V00'	ML2
000010	HMIGRATE	'DAND.ERROR.REPORT.G0010V00'	ML2
000011	HMIGRATE	'DAND.ERROR.REPORT.G0011V00'	ML2
000012	HMIGRATE	'DAND.ERROR.REPORT.G0012V00'	ML2
000013	HMIGRATE	'DAND.ERROR.REPORT.G0013V00'	ML2
000014	HMIGRATE	'DAND.ERROR.REPORT.G0014V00'	ML2
000015	HMIGRATE	'DAND.ERROR.REPORT.G0015V00'	ML2
000016	HMIGRATE	'DAND.ERROR.REPORT.G0016V00'	ML2
000017	HMIGRATE	'DAND.ERROR.REPORT.G0017V00'	ML2
000018	HMIGRATE	'DAND.ERROR.REPORT.G0018V00'	ML2
000019	HMIGRATE	'DAND.ERROR.REPORT.G0019V00'	ML2
000020	HMIGRATE	'DAND.ERROR.REPORT.G0020V00'	ML2
000021	HMIGRATE	'DAND.ERROR.REPORT.G0021V00'	ML2

# LMDDISP Service

- Displays a data set list
- LMDINIT service first run to associate the Dsname Level/Volume with a dslist-id
- Option for which view to use initially
  - VOLUME, SPACE, ATTRIB, or TOTALS
- LMDFREE service after to free storage

Command ==&gt;

Scroll ==&gt; CSR

```
***** Top of Data *****
000001 /***** REXX *****/
000002 /* Exec to display a data set list using the ISPF LMDDISP service. */
000003 /*****
000004 level      = "DAND.**.G%%V%" /* Dsname Level */
000005 vol        = ""              /* Volume */
000006 view       = "SPACE"        /* VOLUME|SPACE|ATTRIB|TOTALS */
000007
000008 /* LMDINIT the associate the level/volume with a dslist-id. */
000009 Address ISPEXEC "LMDINIT LISTID(LISTIDV) LEVEL("level") VOLUME("vol")"
000010
000011 Address ISPEXEC "LMDDISP LISTID("listidv") VIEW("view")"
000012
000013 /* LMDFREE to free up the dslist-id association */
000014 Address ISPEXEC "LMDFREE LISTID("listidv")"
000015
000016 Exit
***** Bottom of Data *****
```

DSLIST - Data Sets Matching DAND.\*\*.G%%%%V%%

Row 1 of 24

Command ==>

scroll ==> PAGE

Command - Enter "/" to select action

Tracks %Used XT

	Tracks	%Used	XT
DAND.ERROR.REPORT.G0001V00	11	0	1
DAND.ERROR.REPORT.G0002V00	11	0	1
DAND.ERROR.REPORT.G0003V00	11	0	1
DAND.ERROR.REPORT.G0004V00	11	0	1
DAND.ERROR.REPORT.G0005V00	11	0	1
DAND.ERROR.REPORT.G0006V00	11	0	1
DAND.ERROR.REPORT.G0007V00	11	0	1
DAND.ERROR.REPORT.G0008V00	11	0	1
DAND.ERROR.REPORT.G0009V00	11	9	1
DAND.ERROR.REPORT.G0010V00	11	0	1
DAND.ERROR.REPORT.G0011V00	11	0	1
DAND.ERROR.REPORT.G0012V00	11	0	1
DAND.ERROR.REPORT.G0013V00	11	0	1
DAND.ERROR.REPORT.G0014V00	11	0	1
DAND.ERROR.REPORT.G0015V00	11	0	1
DAND.ERROR.REPORT.G0016V00	11	0	1
DAND.ERROR.REPORT.G0017V00	11	0	1

# Member Lists

# Member name patterns

- Patterns for Member name
  - % Represents any single character
  - \* Represents 0 or more characters
- Examples
  - A\*Z Member names with A as first character and Z as last
  - B%%% Four character names starting with B
  - \*GEN\* Member names containing GEN

# Member list flavors

- Basic
  - Used by browse/view, edit, etc.
  - Single character line command area
  - Single “S” line command
  - Protected prompt column
- Enhanced
  - Used by option 3.1, browse/view, edit from data set list (if selected)
  - One or nine character line command area
  - Multiple line commands, user-written line commands
  - Unprotected prompt column
  - Allows default sort other than member name



VIEW DAND.SYS1.PARMLIB Row 00001 of 00082  
 Command ==> Scroll ==> CSR

Name	Prompt	Size	Created	Changed	ID
.\$\$\$COIBM		3	2005/12/14	2005/12/14 13:32:54	CS66787
.ADYSET00		11	2016/10/26	2016/10/26 13:16:36	DAND
.ADYSET01					
.ALLOC00		3	2016/10/26	2016/10/26 14:47:03	DAND
.AUTORHW		29	2012/11/28	2012/11/28 08:29:58	IBMUSR2
.AXR00		41	2016/12/21	2016/12/21 11:37:15	DAND
.AXR00o		39	2016/10/26	2016/10/26 15:38:08	DAND
.BBXJOBSZ		31	2016/10/26	2016/10/26 16:38:18	DAND
.BPXPRMMT		166	2015/04/23	2018/10/27 13:07:13	DAND
.BPXPRM00		1457	2016/10/27	2017/01/26 09:48:23	DAND
.CEEPRM00		185	2011/04/21	2014/07/23 09:45:08	DAND
.CLOCKSP		25	2012/11/05	2017/04/21 11:17:06	DAND
.CLOCK00		25	2012/06/19	2017/04/21 11:32:25	DAND
.CNGRP00		16	2011/04/14	2011/04/14 14:15:36	DAND
.CNSLCPAC		46	2016/08/12	2016/08/12 13:16:55	DAND
.COMMND00		18	2011/04/14	2016/10/27 13:06:36	DAND
.CONSOL00		236	2016/08/23	2016/12/21 14:53:47	DAND
.COUPLE00		23	2016/07/12	2016/07/12 11:01:13	SCNPENG
.CSVLLAAA		1	2012/12/27	2012/12/27 13:51:21	DAND

VIEW DAND.SYS1.PARMLIB Row 00001 of 00082  
 Command ==> Scroll ==> CSR

Name	Prompt	Size	Init	Mod	VV	MM	ID
.\$\$\$COIBM		3	3	0	19.00		CS66787
.\$DYSET00		11	11	0	01.00		DAND
.\$DYSET01							
.\$ALLOC00		3	3	0	01.00		DAND
.\$AUTORHW		29	29	0	01.00		IBMUSR2
.\$AXR00		41	41	1	01.01		DAND
.\$AXR00o		39	41	0	01.01		DAND
.\$BBXJOBSZ		31	31	0	01.00		DAND
.\$BPXPRMMT		166	111	0	01.33		DAND
.\$BPXPRM00		1457	1448	28	01.02		DAND
.\$CEEPRM00		185	178	0	01.06		DAND
.\$CLOCKSP		25	14	0	01.14		DAND
.\$CLOCK00		25	6	0	01.09		DAND
.\$CNGRP00		16	16	0	01.00		DAND
.\$CNSLCPAC		46	46	0	01.00		DAND
.\$COMMND00		18	18	0	01.14		DAND
.\$CONSOL00		236	219	0	01.03		DAND
.\$COUPLE00		23	23	0	01.00		SCNPENG
.\$CSVLLAAA		1	1	0	01.00		DAND

BROWSE SYS1.ISP.SISPLOAD Row 00001 of 00399  
 Command ==> Scroll ==> CSR

Name	Prompt	Alias-of	Attributes	SSI
. FLM\$CP		FLMIO24	RN RU	72010120
. FLM\$CPI			RN RU	
. FLM\$DE		FLMIO24	RN RU	72010120
. FLM\$DT		FLMIO24	RN RU	72010120
. FLM\$99		FLMIO24	RN RU	72010120
. FLMA			RN RU	
. FLMB			RN RU	63351142
. FLMBCMD		FLMDDL	RN RU	63351145
. FLMBD\$		FLMDDL	RN RU	63351145
. FLMCMD		FLMS7C	RN RU	63351145
. FLMCMPCK			RN RU	
. FLMCMPRS			RN RU	
. FLMCPCS			RN RU	
. FLMCQBLD			RN RU	
. FLMCQCNT			RN RU	
. FLMCQINT			RN RU	
. FLMCQPRM			RN RU	
. FLMCQST				
. FLMCQSTQ			RN RU	

BROWSE SYS1.ISP.SISPLOAD Row 00001 of 00399  
 Command ==> Scroll ==> CSR

Name	Prompt	Alias-of	Size	TTR	AC	AM	RM
. FLM\$CP		FLMIO24	0000EF78	020A04	00	24	24
. FLM\$CPI			000000E8	000226	00	31	ANY
. FLM\$DE		FLMIO24	0000EF78	020A04	00	24	24
. FLM\$DT		FLMIO24	0000EF78	020A04	00	24	24
. FLM\$99		FLMIO24	0000EF78	020A04	00	24	24
. FLMA			00008780	00022F	00	31	ANY
. FLMB			000D4388	01D703	00	31	ANY
. FLMBCMD		FLMDDL	001CBF80	016507	00	31	ANY
. FLMBD\$		FLMDDL	001CBF80	016507	00	31	ANY
. FLMCMD		FLMS7C	0013E9E0	019B0B	00	31	ANY
. FLMCMPCK			000013A0	001809	00	ANY	24
. FLMCMPRS			00015710	001812	00	ANY	24
. FLMCPCS			00000150	001A04	00	31	ANY
. FLMCQBLD			00015488	001A0D	00	31	ANY
. FLMCQCNT			00008C80	001C05	00	31	ANY
. FLMCQINT			00009700	001D03	00	31	ANY
. FLMCQPRM			00013390	001E03	00	31	ANY
. FLMCQST			00007E18	001F05	00	31	ANY
. FLMCQSTQ			000080A8	002007	00	31	ANY

DSLISL Command ==> DAND.JCL Row 0000001 of 0000013  
 scroll ==> CSR

Name	Prompt	Size	Created	Changed	ID
AA		3	2017/01/22	2017/01/22 20:38:11	DAND
COMMENT		3	2018/02/08	2018/02/08 12:18:37	DAND
EDITBAT		6	2018/02/08	2018/02/20 23:06:16	DAND
GDG		23	2019/02/27	2019/02/27 13:22:45	DAND
GENER		37	2017/02/19	2017/03/07 01:23:40	DAND
GENER1		13	2018/08/09	2018/08/09 18:07:05	DAND
GENER2		13	2017/02/24	2017/02/24 15:45:39	DAND
GENER3		99	2017/02/24	2018/02/15 22:02:45	DAND
INLINE		13	2018/02/05	2018/02/22 12:44:20	DAND
ISPFBAT		22	2018/02/08	2018/02/20 22:42:14	DAND
NEWMEM		15	2017/02/26	2017/02/26 17:54:14	DAND
PRD100		32	2018/02/15	2018/02/15 21:02:08	DAND
X		70	2017/02/24	2018/02/11 16:30:39	DAND

\*\*End\*\*

# Line Commands that have been around

- B Browse a member
- D Delete member(s)
- E Edit a member
- P Print a member to the ISPF LIST data set
- R Rename a member
- S Select a member
- V View a member
- / Display pop-up of commands

# Line Commands you may not be aware of

- C Copy member (prompt field for optional member name)
- M Move member (prompt field for optional new member)
- G Reset member statistics
- I Member statistics information
- J Submit Job
- T TSO command/exec (prompt field for command or only T for panel)
- = Repeat previous command (helpful for TSO commands)

\* Note: For member lists with 9-character line command areas, TSO commands/ execs can be entered directly as a line command. TSO commands/execs can only be run against members in the first library of a concatenation. (Same for G/J line commands)

DSLIST DAND.DEV.EXEC Row 0000001 of 0000021  
 Command ==> Scroll ==> CSR

Name	Prompt	Size	Created	Changed	ID
%MYCMD_____ LCPROC	<u>MYPARM</u>	27	2019/03/08	2019/03/08 16:23:37	DAND
_____ EDO	_____	42	1999/01/07	2018/10/17 14:26:45	DAND
_____ EDME	_____	42	2018/07/20	2018/07/20 11:20:01	DAND
_____ BATEDIT	_____	43	2018/02/20	2018/03/06 16:56:14	DAND
= _____ COPYAFT	_____	15	1999/01/13	2018/01/18 13:00:42	DAND
_____ CAL	_____	22	2000/08/16	2018/01/15 13:33:48	DAND
_____ A	_____	2	2017/01/22	2017/01/22 21:48:54	DAND
_____ AA	_____	1	2017/01/22	2017/01/22 21:48:21	DAND
= _____ CONVG DG	_____	262	2014/04/22	2017/01/11 14:19:04	DAND
_____ CONVERT	_____	89	1998/10/23	2016/06/22 10:44:06	DAND
_____ BATCHPDF	_____	191	2014/04/15	2014/04/15 11:37:20	DAND
_____ BYTES	_____	16	1998/09/04	2012/10/12 14:19:17	DAND
_____ COPYB4NX	_____	14	2010/04/08	2010/04/08 09:23:44	DAND
_____ BATCHJCL	_____	60	2004/10/28	2007/09/20 12:29:57	DAND
_____ BRACES	_____	68	2004/10/19	2007/03/30 15:39:56	DAND
_____ CONV1704	_____	359	2005/12/10	2005/12/10 21:37:08	DAND
_____ BATCHSDT	_____	45	2005/11/29	2005/11/29 14:48:45	DAND
_____ BATCHSRT	_____	6	2004/01/08	2004/01/08 22:07:48	DAND
_____ ED16	_____	44	2003/03/19	2003/03/19 11:01:45	DAND



Command ==&gt;

Scroll ==&gt; CSR

```
***** Top of Data *****
000001 /***** REXX *****/
000002 /* Exec to handle S line command on enhanced member list */
000003 /***** */
000004 Parse Arg dataset
000005 If dataset <> "" Then
000006     Address ISPEXEC "VIEW DATASET("dataset")"
000007 Else
000008     Do
000009         zedsmsg = "No data set"
000010         zedlmsg = "No data set name was passed "
000011         Address ISPEXEC "SETMSG MSG(ISRZ001)"
000012     End
***** Bottom of Data *****
```

# Primary Commands that have been around

- CONFIRM Confirms a member delete request
- Locate Locates an entry in the list based upon the sorted order
- REFresh Refreshes the displayed list
- RESet Removes unwanted line commands and messages
- SAVE Save the list to the LIST data set or userid.XXX.MEMBERS
- Select Select a member or members (with optional line command in enhanced member list)
  - S AB\* J (or SUB) to submit all members beginning with AB
  - S \*GEN D to delete all members ending with GEN
- SORT Sorts the list using one or two column names

# Primary Commands you may not be aware of

- FILTER      Display only members with matching attributes
- Find        Finds string within member name or another column
- SRCHFOR    Search for string among members (no parm for panel)
- MLC        Display the Member List Color Change Utility
- MLS        Display the Enhanced Member List Initial Sort



EDIT	DAND.DEV.EXEC						
Command ==>	FILTER	ID	NE	DAND			
Name	Prompt	Lib	Size	Created	Changed		ID
. \$TEST		1	68	2019/03/04	2019/03/04 15:23:08		DAND
. ALIGN		1	145	2019/03/04	2019/03/04 15:23:08		KELLERM
. CUTMAC		1	197	2019/03/04	2019/03/04 15:23:08		KELLERM
. DB2C		1	845	2019/03/04	2019/03/04 15:23:08		DAND
. DOTEST		1	136	2019/03/04	2019/03/04 15:23:08		KELLERM
. FINDLIST		1	139	2019/03/04	2019/03/04 15:23:08		DAND
. INLINE		1	146	2019/03/04	2019/03/04 15:23:08		KELLERM
. LMDO		1	55	2019/03/04	2019/03/04 15:23:08		KELLERM
. MYLNCMDS		1	167	2019/03/04	2019/03/04 15:23:08		DAND
. NXCOPY		1	64	2019/03/04	2019/03/04 15:23:08		DAND
. PASTEMAC		1	126	2019/03/04	2019/03/04 15:23:08		DAND
. SDSFDA		1	137	2019/03/04	2019/03/04 15:23:08		DAND
. SDSFDA2		1	136	2019/03/04	2019/03/04 15:23:08		DAND
. SDSFINIT		1	137	2019/03/04	2019/03/04 15:23:08		DAND
. T2		1	121	2019/03/04	2019/03/04 15:23:08		DAND
**End**							

EDIT DAND.DEV.EXEC Row 00001 of 00005  
Command ==> Scroll ==> CSR

Name	Prompt	Lib	Size	Created	Changed	ID
. ALIGN		1	145	2019/03/04	2019/03/04 15:23:08	KELLERM
. CUTMAC		1	197	2019/03/04	2019/03/04 15:23:08	KELLERM
. DOTEST		1	136	2019/03/04	2019/03/04 15:23:08	KELLERM
. INLINE		1	146	2019/03/04	2019/03/04 15:23:08	KELLERM
. LMDO		1	55	2019/03/04	2019/03/04 15:23:08	KELLERM

\*\*End\*\*

# FIND command

- F ABC Find ABC within the members
- F LAST 1999 CREATED Find last 1999 in the Created field
- F VV 10 Find next version 10

# Member List Color Change Utility

Defaults

Command ==>

Change one or more of the Member List Field Attributes and press Enter to see the effect immediately. Clearing a field restores defaults.

Field:	Color:	Intens:	Hilite:	Defaults:
Member Name . . . .	BLUE . . . .	LOW . . . .	NONE	Blue
Member Stats . . . .	GREEN . . . .	LOW . . . .	NONE	Green
Prompt field . . . .	TURQ . . . .	HIGH . . . .	USCORE	Turq

Use ISPF Settings input field pad for member selection field

## ----- Example -----

LIBRARY		ISR.V4R2M0.ISRPENU			Row 00001 of 00003	
Name	Prompt	Size	Created	Changed	ID	
ISRBRO01	/	231	1993/03/22	1995/05/31 08:53	HEATHER	
ISREDM01	*Reset	207	1990/02/13	1994/01/25 13:14	EMILY	
ISRUDLP	*Copied	123	1989/02/03	1994/01/25 13:14	X657188	
**End**						



DSL<sub>1</sub>LIST

DAND.DEV.EXEC

Row 0000001 of 0000065

Command ==> MLS

ctrl ==> CSR

Name

Enhanced Member List Initial Sort

d ID

\$BADCPY1

RECFM=BLK

RECFM=U

5:23:08 DAND

\$BADCPY2

- 6 1. Name  
2. Library

- 1 1. Name  
2. Library

5:23:08 DAND

\$TEST

3. VV

3. Size

5:23:08 DAND

ALIGN

4. MM

4. TTR

5:23:08 KELLERM

BATEDIT

5. Created

5. Alias

5:23:08 DAND

C

6. Changed

6. AC

5:23:08 DAND

CHANGEIT

7. Size

7. AM

5:23:08 DAND

COMMENTS

8. Initial

8. RM

5:23:08 DAND

COMPDSN

9. MOD

9. Attr

5:23:08 KELLERM

COMPJCL

10. Userid

10. SSI

5:23:08 DAND

CUTMAC

Direction

Direction

5:23:08 DAND

DB2C

2 1. Ascending

1 1. Ascending

5:23:08 KELLERM

DIRLIST

2. Descending

2. Descending

5:23:08 DAND

DOTEST

select an initial sort field view  
for Enhanced member lists.

5:23:08 DAND

DSL2CMD

5:23:08 DAND

EDREC

5:23:08 DAND

EDSYSIN

5:23:08 DAND

EE

5:23:08 DAND

EJ

5:23:08 DAND

EDIT DAND.DEV.EXEC Row 0000001 of 0000022  
 Command ==> Scroll ==> CSR

Name	Prompt	Size	Created	Changed	ID
S		12	1993/06/04	2019/03/12 18:41:03	DAND
LCPROC		27	2019/03/08	2019/03/08 16:23:37	DAND
EDO		42	1999/01/07	2018/10/17 14:26:45	DAND
EDME		42	2018/07/20	2018/07/20 11:20:01	DAND
BATEDIT		43	2018/02/20	2018/03/06 16:56:14	DAND
COPYAFT		15	1999/01/13	2018/01/18 13:00:42	DAND
CAL		22	2000/08/16	2018/01/15 13:33:48	DAND
A		2	2017/01/22	2017/01/22 21:48:54	DAND
AA		1	2017/01/22	2017/01/22 21:48:21	DAND
CONVGDG		262	2014/04/22	2017/01/11 14:19:04	DAND
CONVERT		89	1998/10/23	2016/06/22 10:44:06	DAND
BATCHPDF		191	2014/04/15	2014/04/15 11:37:20	DAND
BYTES		16	1998/09/04	2012/10/12 14:19:17	DAND
COPYB4NX		14	2010/04/08	2010/04/08 09:23:44	DAND
BATCHJCL		60	2004/10/28	2007/09/20 12:29:57	DAND
BRACES		68	2004/10/19	2007/03/30 15:39:56	DAND
CONV1704		359	2005/12/10	2005/12/10 21:37:08	DAND
BATCHSDT		45	2005/11/29	2005/11/29 14:48:45	DAND
BATCHSRT		6	2004/01/08	2004/01/08 22:07:48	DAND

# Alternate ways to access member lists

- LMMLIST Service      Queries a list of members
- LMMDISP Service      Displays a member list for processing your own commands
- MEMLIST Service      Displays a member list like option 3.1

# LMMLIST Service

- Creates a list of members with member statistics optionally returned
- LMINIT/LMOPEN services first run to associate a data-id with the data set, etc. and open
- Options
  - LIST – First call builds the list and returns the first member, subsequent returns next
  - FREE – Called after the last LIST call to clear storage
  - SAVE – Writes members and, optionally statistics
- LMCLOSE/LMFREE services after to close and free data-id

Command ==&gt; Scroll ==&gt; CSR

```
***** Top of Data *****
000001 /***** REXX *****/
000002 /* Exec to query members in a list using the ISPF LMMLIST service with */
000003 /* the LIST option return a list of members and statistics for */
000004 /* processing. */
000005 /***** */
000006 dsn1      = "'DAND.JCL'"          /* fully qualified data set name */
000007 pattern  = "*A*"                /* member pattern Blank = All */
000008 stats    = "YES"                /* Include stats (YES|NO|PRT) */
000009 memvar   = ""                   /* First member to return */
000010
000011 /* LMINIT the data set. LMINIT can also be used for an ISPF project */
000012 /* structure or a concatenated list of data sets allocated to a DD. */
000013 Address ISPEXEC "LMINIT DATAID(idvar) DATASET("dsn1") ENQ(SHRW)"
000014
000015 /* LMOPEN the data set */
000016 Address ISPEXEC "LMOPEN DATAID("idvar")"
000017
000018 /* call LMMLIST service for the data id with variable values. */
000019 Do Until rc <> 0
000020     Address ISPEXEC "LMMLIST DATAID("idvar") OPTION(LIST)",
000021                   "PATTERN("pattern") STATS("stats") MEMBER(MEMVAR)"
```

Command ==&gt; \_\_\_\_\_ Scroll ==&gt; CSR

```
000017
000018 /* call LMMLIST service for the data id with variable values. */
000019 Do Until rc <> 0
000020     Address ISPEXEC "LMMLIST DATAID("idvar") OPTION(LIST)",
000021                   "PATTERN("pattern") STATS("stats") MEMBER(MEMVAR)"
000022     If rc = 0 Then
000023         Say Left(memvar,8) "Last changed by "z1user" on "z1m4date
000024 End
000025
000026 /* LMFREE the member list */
000027 Address ISPEXEC "LMMLIST DATAID("idvar") OPTION(FREE)"
000028
000029 /* LMCLOSE the data set */
000030 Address ISPEXEC "LMCLOSE DATAID("idvar")"
000031
000032 /* LMFREE the data id associated with the data set. */
000033 Address ISPEXEC "LMFREE DATAID("idvar")"
000034
000035 Exit
*****
***** Bottom of Data *****
```

```
AA      Last changed by DAND      on 2017/01/22
EDITBAT Last changed by DAND      on 2018/02/20
ISPFBAT Last changed by DAND      on 2018/02/20
***
```

Command ==&gt;

Scroll ==&gt; CSR

```
***** Top of Data *****
000001 /***** REXX *****/
000002 /* Exec to query list of members using the ISPF LMMLIST service with */
000003 /* the SAVE option to write information to userid.group.MEMBERS or */
000004 /* to the ISPF LIST data set if no group is specified. */
000005 /***** */
000006 dsn1      = "'DAND.SYS1.PARMLIB'" /* fully qualified data set name */
000007 pattern  = "*" /* member pattern Blank = All */
000008 group    = "PARMLIB" /* second qualifier for SAVE ds */
000009 saveds   = group".MEMBERS" /* SAVE output data set */
000010 stats    = "YES" /* Include stats (YES|NO) */
000011 long     = "LONG" /* statistics in long format */
000012
000013 /* LMINIT the data set. LMINIT can also be used for an ISPF project */
000014 /* structure or a concatenated list of data sets allocated to a DD. */
000015 Address ISPEXEC "LMINIT DATAID(idvar) DATASET("dsn1") ENQ(SHRW)"
000016
000017 /* LMOPEN the data set */
000018 Address ISPEXEC "LMOPEN DATAID("idvar")"
000019
000020 /* call LMMLIST service for the data id with variable values. */
000021 Address ISPEXEC "LMMLIST DATAID("idvar") OPTION(SAVE) GROUP("group")"
```



Command ==&gt;

Scroll ==&gt; CSR

```
000019
000020 /* call LMMLIST service for the data id with variable values. */
000021 Address ISPEXEC "LMMLIST DATAID("idvar") OPTION(SAVE) GROUP("group")" ,
000022                "PATTERN("pattern") STATS("stats")" long
000023
000024 /* LMFREE the member list */
000025 Address ISPEXEC "LMMLIST DATAID("idvar") OPTION(FREE)"
000026
000027 /* LMCLOSE the data set */
000028 Address ISPEXEC "LMCLOSE DATAID("idvar")"
000029
000030 /* LMFREE the data id associated with the data set. */
000031 Address ISPEXEC "LMFREE DATAID("idvar")"
000032
000033 /* EDIT the data set information if not written to LIST data set */
000034 If group <> "" Then
000035     Address ISPEXEC "EDIT DATASET("saveds")"
000036 Exit
*****
***** Bottom of Data *****
```

EDIT	DAND.PARMLIB.MEMBERS			Columns	00001	00072
Command	====>			Scroll	====>	CSR
*****	*****		Top of Data	*****		
000001	\$\$\$COIBM	\$\$\$COIBM	3	2005/12/14	2005/12/14	13:
000002	ADYSET00	ADYSET00	11	2016/10/26	2016/10/26	13:
000003	ADYSET01	ADYSET01				
000004	ALLOC00	ALLOC00	3	2016/10/26	2016/10/26	14:
000005	AUTORHW	AUTORHW	29	2012/11/28	2012/11/28	08:
000006	AXR00	AXR00	41	2016/12/21	2016/12/21	11:
000007	AXR00o	AXR00o	39	2016/10/26	2016/10/26	15:
000008	BBXJOBSZ	BBXJOBSZ	31	2016/10/26	2016/10/26	16:
000009	BPXPRMMT	BPXPRMMT	166	2015/04/23	2018/10/27	13:
000010	BPXPRM00	BPXPRM00	1457	2016/10/27	2017/01/26	09:
000011	CEEPRM00	CEEPRM00	185	2011/04/21	2014/07/23	09:
000012	CLOCKSP	CLOCKSP	25	2012/11/05	2017/04/21	11:
000013	CLOCK00	CLOCK00	25	2012/06/19	2017/04/21	11:
000014	CNGRP00	CNGRP00	16	2011/04/14	2011/04/14	14:
000015	CNSLCPAC	CNSLCPAC	46	2016/08/12	2016/08/12	13:
000016	COMMND00	COMMND00	18	2011/04/14	2016/10/27	13:
000017	CONSOL00	CONSOL00	236	2016/08/23	2016/12/21	14:
000018	COUPLE00	COUPLE00	23	2016/07/12	2016/07/12	11:
000019	CSVLLAAA	CSVLLAAA	1	2012/12/27	2012/12/27	13:
000020	CSVLLAAR	CSVLLAAR	10	2016/05/31	2018/12/20	14:
000021	CSVLLAA1	CSVLLAA1	2	2008/10/27	2014/04/09	14:

Command ==> MEM2SEL

Scroll ==> CSR

\*\*\*\*\* Top of Data \*\*\*\*\*

000001	12/14	2005/12/14	13:32:54	3	0	19.00	CS66787
000002	10/26	2016/10/26	13:16:36	11	0	01.00	DAND
000003							
000004	10/26	2016/10/26	14:47:03	3	0	01.00	DAND
000005	11/28	2012/11/28	08:29:58	29	0	01.00	IBMUSR2
000006	12/21	2016/12/21	11:37:15	41	1	01.01	DAND
000007	10/26	2016/10/26	15:38:08	41	0	01.01	DAND
000008	10/26	2016/10/26	16:38:18	31	0	01.00	DAND
000009	04/23	2018/10/27	13:07:13	111	0	01.33	DAND
000010	10/27	2017/01/26	09:48:23	1448	28	01.02	DAND
000011	04/21	2014/07/23	09:45:08	178	0	01.06	DAND
000012	11/05	2017/04/21	11:17:06	14	0	01.14	DAND
000013	06/19	2017/04/21	11:32:25	6	0	01.09	DAND
000014	04/14	2011/04/14	14:15:36	16	0	01.00	DAND
000015	08/12	2016/08/12	13:16:55	46	0	01.00	DAND
000016	04/14	2016/10/27	13:06:36	18	0	01.14	DAND
000017	08/23	2016/12/21	14:53:47	219	0	01.03	DAND
000018	07/12	2016/07/12	11:01:13	23	0	01.00	SCNPENG
000019	12/27	2012/12/27	13:51:21	1	0	01.00	DAND
000020	05/31	2018/12/20	14:48:40	7	0	01.01	DAND
000021	10/27	2014/04/09	14:47:43	1	0	01.03	DAND

Command ==&gt;

Scroll ==&gt; CSR

\*\*\*\*\* Top of Data \*\*\*\*\*

```
000001 SELECT MEMBER=(($$$COIBM,,R))
000002 SELECT MEMBER=(ADYSET00,,R)
000003 SELECT MEMBER=(ADYSET01,,R)
000004 SELECT MEMBER=(ALLOC00,,R)
000005 SELECT MEMBER=(AUTORHW,,R)
000006 SELECT MEMBER=(AXR00,,R)
000007 SELECT MEMBER=(AXR00o,,R)
000008 SELECT MEMBER=(BBXJOBSZ,,R)
000009 SELECT MEMBER=(BPXPRMMT,,R)
000010 SELECT MEMBER=(BPXPRM00,,R)
000011 SELECT MEMBER=(CEEPRM00,,R)
000012 SELECT MEMBER=(CLOCKSP,,R)
000013 SELECT MEMBER=(CLOCK00,,R)
000014 SELECT MEMBER=(CNGRP00,,R)
000015 SELECT MEMBER=(CNSLCPAC,,R)
000016 SELECT MEMBER=(COMMND00,,R)
000017 SELECT MEMBER=(CONSOL00,,R)
000018 SELECT MEMBER=(COUPLE00,,R)
000019 SELECT MEMBER=(CSVLLAAA,,R)
000020 SELECT MEMBER=(CSVLLAAR,,R)
000021 SELECT MEMBER=(CSVLLAA1,,R)
```

# LMMDISP Service

- Displays a member list with line command processing as your responsibility
- Options
  - DISPLAY – Creates member list, displays it, and returns first selected member
  - GET – Returns information for second and other members
  - PUT – Saves information in the Line Command and User Data fields
  - ADD – Add a member entry to a member list
  - DELETE – Delete a member entry from a member list
  - FREE – Frees storage for a member list
- See Mark Zelden's XMEMLIST exec on the CBT tape for a good example

# MEMLIST Service

- Simple way to display an enhanced member list with 3.1 line command functions
- Option for either a 1 or 9 character line command area
  - 9 character supports TSO command/exec execution directly
- Option for the default function to be used for the S line command
  - Causes member list heading to change from LIBRARY to VIEW, RENAME, etc.
- Option for confirmation of member deletes

Command ==&gt; Scroll ==&gt; CSR

```
***** Top of Data *****
000001 /***** REXX *****/
000002 /* Exec to display a member list using the ISPF MEMLIST service */
000003 /***** */
000004 dsn1      = "'DAND.JCL'"          /* fully qualified data set name */
000005 pattern  = "*A*"                /* member pattern Blank = All */
000006 field    = 9                    /* line command area size (1|9) */
000007 default  = "E"                  /* command to use for "S" */
000008 confirm  = "YES"                /* confirm member delete (YES|NO) */
000009
000010 /* LMINIT the data set. LMINIT can also be used for an ISPF project */
000011 /* structure or a concatenated list of data sets allocated to a DD. */
000012 Address ISPEXEC 'LMINIT DATAID(idvar) DATASET('dsn1') ENQ(SHRW)'
000013
000014 /* Call MEMLIST service for the data id with variable values. */
000015 Address ISPEXEC "MEMLIST DATAID("idvar") MEMBER("pattern")"
000016                "FIELD("field") DEFAULT("default") CONFIRM("confirm)"
000017
000018 /* LMFREE the data id associated with the data set. */
000019 Address ISPEXEC "LMFREE DATAID("idvar")"
000020
000021 Exit
```

EDIT DAND.JCL Row 0000001 of 0000003  
Command ==> Scroll ==> CSR

Name	Prompt	Size	Created	Changed	ID
AA		3	2017/01/22	2017/01/22 20:38:11	DAND
EDITBAT		6	2018/02/08	2018/02/20 23:06:16	DAND
ISPFBAT		22	2018/02/08	2018/02/20 22:42:14	DAND
**End**					



# Unix Directory List

z/OS UNIX Directory List Utility

Option ==> \_\_\_\_\_

blank Display directory list

P Print directory list

Pathname . . . /www \_\_\_\_\_

+

Enter "/" to select option

/ Confirm File Delete

/ Confirm Non-empty Directory Delete

When the directory list is displayed, enter either:

"/" on the directory list line command field for the command prompt pop-up,  
an ISPF line command, the name of a TSO command, CLIST, or REXX exec, or  
"=" to execute the previous command.

z/OS UNIX Direct

Option ==>

blank Display directory list

Pathname . . . /www

- 2 1. Mount Table by File System...
- 2. Mount Table by Mount Point...
- 3. Mount...
- 4. New zFS...
- 5. zFS aggregates...

Enter "/" to select option

/ Confirm File Delete

/ Confirm Non-empty Directory Delete

When the directory list is displayed, enter either:

"/" on the directory list line command field for the command prompt pop-up, an ISPF line command, the name of a TSO command, CLIST, or REXX exec, or "=" to execute the previous command.

# Pathname

- Must specify a relative (prefix of /) or an absolute pathname (prefix of .) or home directory (~).
  
- Special (glob) characters for pathnames
  - ? Represents any single character
  - \* Represents 0 or more characters
  - [abc] Represents list of valid characters to match
  
- Examples
  - /www/[il]\*/a\* Matches /www/log/agent and others
  - /samples/IBM/F?????A Matches /samples/IBM/FOMOGBHA and others

# Directory list options

- Confirm File Delete
- Confirm Non-empty Directory Delete
- Bypass z/OS UNIX File Edit Options panel \*
- Display permissions in octal format \*
- Enter z/OS UNIX commands in Command field \*

\* Available from z/OS UNIX Directory List Options pulldown

z/OS UNIX Directory List

Row 1 to 15 of 23

Command ==>

Scroll ==> CSR

Pathname . : /www  
 EUID . . : 1000003

Command	Filename	Message	Type	Permission	Audit	Ext	Fmat
	.		Dir	rwXrwxrwx	fff---		----
	..		Dir	rwXr-xr-x	fff---		----
	a_Rectangle.gif		File	rw-r-----	fff---	--s-	----
	a_Rectangle_1.g		File	rw-r-----	fff---	--s-	----
	a_Rectangle_2.g		File	rw-r-----	fff---	--s-	----
	a_Rectangle_3.g		File	rw-r-----	fff---	--s-	----
	a_Rectangle_4.g		File	rw-r-----	fff---	--s-	----
	a_Round_Rectang		File	rwXrwxrwx	fff---	--s-	----
	a_Round_Rectang		File	rwXrwxrwx	fff---	--s-	----
	booksrv		Dir	rwXrwxr-x	fff---		----
	clearpixel.gif		File	rwXrwxr--	fff---	--s-	----
	enterpriseserve		File	rw-r-----	fff---	--s-	----
	header10.jpg		File	rw-r-----	fff---	--s-	----
	head2.gif		File	rwXrwxrwx	fff---	--s-	----
	index.html		File	rwXrwxrwx	fff---	--s-	----

z/OS UNIX Directory List

Row 1 to 15 of 23

Command ==>

Scroll ==> CSR

Pathname . : /www  
 EUID . . : 1000003

Command	Filename	Message	Owner	Group	Links	Size
	.		WEBADM	IMWEB	6	8192
	..		OMVS	OMVSGRP	18	8192
	a_Rectangle.gif		OMVS	IMWEB	1	1652
	a_Rectangle_1.g		OMVS	IMWEB	1	1637
	a_Rectangle_2.g		OMVS	IMWEB	1	1609
	a_Rectangle_3.g		OMVS	IMWEB	1	1615
	a_Rectangle_4.g		OMVS	IMWEB	1	1639
	a_Round_Rectang			IMWEB	1	1651
	a_Round_Rectang			IMWEB	1	1651
	booksrv		OMVS	IMWEB	7	8192
	clearpixel.gif			IMWEB	1	43
	enterpriseserve		OMVS	IMWEB	1	12419
	header10.jpg		OMVS	IMWEB	1	23384
	head2.gif		OMVS	IMWEB	1	39192
	index.html			IMWEB	1	22591

## z/OS UNIX Directory List

Row 1 to 15 of 23

Command ==&gt;

Scroll ==&gt; CSR

Pathname . : /www  
EUID . . : 1000003

Command	Filename	Message	Modified
	.		2016/12/01 12:53:52
	..		2018/03/06 12:52:55
	a_Rectangle.gif		2003/04/03 12:34:15
	a_Rectangle_1.g		2003/04/03 12:34:16
	a_Rectangle_2.g		2003/04/03 12:34:16
	a_Rectangle_3.g		2003/04/03 12:34:16
	a_Rectangle_4.g		2003/04/03 12:34:16
	a_Round_Rectang		2003/01/17 10:22:00
	a_Round_Rectang		2003/01/17 10:22:00
	booksrv		2015/11/28 13:59:51
	clearpixel.gif		2003/01/17 10:21:59
	enterpriseserve		2003/04/03 12:34:16
	header10.jpg		2003/04/03 12:34:17
	head2.gif		2003/02/11 11:09:13
	index.html		2009/05/22 15:46:00



## z/OS UNIX Directory List

Row 1 to 15 of 23

Command ==&gt;

Scroll ==&gt; CSR

Pathname . : /www  
EUID . . : 1000003

Command	Filename	Message	Changed
	.		2016/12/01 12:53:52
	..		2018/03/06 12:52:55
	a_Rectangle.gif		2003/04/03 12:34:15
	a_Rectangle_1.g		2003/04/03 12:34:16
	a_Rectangle_2.g		2003/04/03 12:34:16
	a_Rectangle_3.g		2003/04/03 12:34:16
	a_Rectangle_4.g		2003/04/03 12:34:16
	a_Round_Rectang		2003/01/17 10:22:00
	a_Round_Rectang		2003/01/17 10:22:00
	booksrv		2015/11/28 13:59:51
	clearpixel.gif		2003/01/17 10:21:59
	enterpriseserve		2003/04/03 12:34:16
	header10.jpg		2003/04/03 12:34:17
	head2.gif		2003/02/11 11:09:13
	index.html		2009/05/22 15:46:00

## z/OS UNIX Directory List

Row 1 to 15 of 23

Command ==&gt;

Scroll ==&gt; CSR

Pathname . : /www  
EUID . . : 1000003

Command	Filename	Message	Accessed
	.		2019/08/01 16:22:55
	..		2019/08/01 16:22:55
	a_Rectangle.gif		2012/11/08 10:18:49
	a_Rectangle_1.g		2012/11/08 10:18:49
	a_Rectangle_2.g		2012/11/08 10:18:49
	a_Rectangle_3.g		2012/11/08 10:18:49
	a_Rectangle_4.g		2009/05/22 16:04:41
	a_Round_Rectang		2009/01/08 15:58:03
	a_Round_Rectang		2009/01/08 15:58:03
	booksrv		2018/07/04 13:50:16
	clearpixel.gif		2009/05/22 16:04:38
	enterpriseserve		2015/12/15 12:57:19
	header10.jpg		2012/11/08 10:18:49
	head2.gif		2009/05/22 16:02:52
	index.html		2019/03/04 17:36:12

## z/OS UNIX Directory List

Row 1 to 15 of 23

Command ==&gt;

Scroll ==&gt; CSR

Pathname . : /www  
EUID . . : 1000003

Command	Filename	Message	Created
	.		1999/04/27 12:22:02
	..		2016/08/02 09:33:17
	a_Rectangle.gif		2003/01/24 10:17:29
	a_Rectangle_1.g		2003/01/24 10:17:30
	a_Rectangle_2.g		2003/04/03 12:34:16
	a_Rectangle_3.g		2003/04/03 12:34:16
	a_Rectangle_4.g		2003/04/03 12:34:16
	a_Round_Rectang		1999/07/27 11:14:41
	a_Round_Rectang		1999/07/27 11:14:40
	booksrv		2015/11/17 14:32:04
	clearpixel.gif		1999/07/27 11:14:39
	enterpriseserve		2003/04/03 12:34:16
	header10.jpg		2003/04/03 12:34:17
	head2.gif		2003/01/24 10:17:30
	index.html		2003/01/14 15:54:20

Command ==>

Pathname . : /www  
EUID . . : 1000003

Command Filename  
-----

- 1 1. Directory List Options...
2. Directory List Column Arrangement...
3. Directory List Default Line Commands...
4. Enable superuser mode(SU)
5. Refresh List
6. Save List
7. Reset

.				8192
..	OMVS	OMVSGRP	18	8192
a_Rectangle.gif	OMVS	IMWEB	1	1652
a_Rectangle_1.g	OMVS	IMWEB	1	1637
a_Rectangle_2.g	OMVS	IMWEB	1	1609
a_Rectangle_3.g	OMVS	IMWEB	1	1615
a_Rectangle_4.g	OMVS	IMWEB	1	1639
a_Round_Rectang		IMWEB	1	1651
a_Round_Rectang		IMWEB	1	1651
booksrv	OMVS	IMWEB	7	8192
clearpixel.gif		IMWEB	1	43
enterpriseserve	OMVS	IMWEB	1	12419
header10.jpg	OMVS	IMWEB	1	23384
head2.gif	OMVS	IMWEB	1	39192
index.html	Browsed	IMWEB	1	22591

# Line Commands for Directory List

- AA Auditor auditing
- B Browse a file
- CI Copy data in
- CO Copy data out
- D Delete an entry
- E Edit a file
- EA Edit an ASCII file
- EU Edit a UTF8 file
- FS Display File System attributes
- I Display z/OS UNIX File Information

# Line Commands for Directory List (continued)

- L List a directory
- MA Manage ACLs
- MF Modify format
- MG Modify group
- MM Modify mode fields
- MO Modify owner
- MX Modify extended attributes
- N Create new entry
- R Rename an entry
- RA Add entry to a reference list

# Line Commands for Directory List (continued)

- UA            User Auditing
- V            View a file
- VA           View an ASCII file
- VU           View a UTF8 file
- X            Execute a z/OS UNIX or TSO command
- =            Repeat previous command
- /            Display pop-up of commands
- //           Block command prefix

# Primary Commands for Directory List

- Edit            Edit a file in the current directory (E/EA/EU)
- FILTER        Filter the list with a file name pattern
- Find            Find a string in the file name
- Locate        Locates an entry in the list based upon the sorted order
- REFresh       Refreshes the displayed list
- RESet         Removes unwanted line commands and messages
- SAVE          Save the list to the LIST data set or userid.XXX.DIRLIST
- SORT          Sorts the list using one or two column names
- SRCHFOR      Search for string in regular files in the list
- SU             Toggle Super-User mode and initial UID



# Alternate ways to access directory lists

- View and Edit Other name field
- Option 3.4 Dsname Level field
- UDLIST command
  - UDLIST /samples      Display a list from any command line  
   Displays files in the samples directory
  - UDLIST MYFILES      Displays the MYFILES reference list
  - UDLIST                    Displays list of reference lists
- DIRLIST Service      Displays a directory list

# DIRLIST Service

- Displays a directory list
- Most flexible service for layout and command overrides
- Option controlling which columns appear in the list
- Option for an alternate line command processor
  - Can override built-in line commands
  - Can indicate to ISPF to handle the line command after analyzing data
- Variables for file information and for setting message back to list

Command ==&gt; Scroll ==&gt; CSR

```
***** Top of Data *****
000001 /***** REXX *****/
000002 /* Exec to display a directory list using the ISPF DIRLIST service */
000003 /***** */
000004
000005 /* dir variable contains the path to use for displaying the list */
000006 dir = "/SYSTEM/etc"
000007
000008 /* cols variable contains a list of column and length pairs for the */
000009 /* columns to be displayed by the list. Use cols = "" for defaults. */
000010 cols = "PE,10,TY,4,MO,10" /* permissions, type, modified date */
000011
000012 /* lcmds variable contains the name of the line command processor and */
000013 /* a list of built-in (B) and/or custom (LL) commands to be handled. */
000014 lcmds = "LCPROC,B,LL"
000015
000016 Address ISPEXEC "DIRLIST PATH(dir) COLS("cols") LCMDS("lcmds")"
000017
000018 Exit
***** Bottom of Data *****
```

Command ==&gt;

Scroll ==&gt; CSR

```
***** Top of Data *****
000001 /***** REXX *****/
000002 /* Exec to process directory list line commands for a call to the */
000003 /* ISPF DIRLIST service. */
000004 /***** */
000005 Address ISPEXEC "VGET (ZUDLCMD,ZUDPATH) SHARED"
000006 zudmessg = ""
000007 exitrc = 0
000008
000009 select
000010   when zudlcmd = "B" Then
000011     Do
000012       /* Perform some pre-processing for the B built-in line command */
000013       /* and set return code of 1 to have ISPF process normally. */
000014       exitrc = 1
000015     End
000016   when zudlcmd = "LL" Then
000017     Do
000018       /* Perform the LL function and set ZUDMESSG variable. */
000019       zudmessg = zudlcmd "Done"
000020     End
000021   otherwise
```

Command ==&gt;

Scroll ==&gt; CSR

```
000008
000009 select
000010     when zudlcmd = "B" Then
000011         Do
000012             /* Perform some pre-processing for the B built-in line command */
000013             /* and set return code of 1 to have ISPF process normally. */
000014             exitrc = 1
000015         End
000016     when zudlcmd = "LL" Then
000017         Do
000018             /* Perform the LL function and set ZUDMESSG variable. */
000019             zudmessg = zudlcmd "Done"
000020         End
000021     otherwise
000022         exitrc = 8
000023 End
000024
000025 If zudmessg <> "" Then
000026     Address ISPEXEC "VPUT (ZUDMESSG) SHARED"
000027 Exit exitrc
*****
***** Bottom of Data *****
```

## z/OS UNIX Directory List

Row 1 to 15 of 34

Command ==&gt;

Scroll ==&gt; CSR

Pathname . : /SYSTEM/etc

EUID . . : 1000003

Command	Filename	Message	Permission	Type	Modified
	.		rwXr-Xr-X	Dir	2017/10/11
	..		rwXr-Xr-X	Dir	2015/04/25
	auto.master		rw-r--r--	File	2016/11/09
	bookmgr.80		rw-r--r--	File	2016/11/18
	booksrv.stderr		rwX-----	File	2016/12/01
	booksrv.stdin		rw-r-----	File	2016/11/03
	booksrv.stdout		rwX-----	File	2016/12/01
b	booksrv.80		rwXrwxrwx	File	2018/04/24
	caldap		rwXr-Xr-X	Dir	2019/05/16
	dfs		rwXr-Xr-X	Dir	2015/04/25
11	init.options		rw-r--r--	File	2016/11/03
	ioepdcf		rwXrwxrwx	Syml	2016/08/02
	ldap		rwXr-Xr-X	Dir	2015/04/25
	log		rw-r--r--	File	2019/05/16
	magic		rw-r--r--	File	2016/11/03

**BROWSE** /SYSTEM/etc/booksrv.80

Line 00000000 col 001 052

Command ==>

scroll ==> PAGE

\*\*\*\*\* Top of Data \*\*\*\*\*

BOOKPATH=/LibSrvr/zOSV2R2/books  
COLLECTIONS=z/OS V2 R2 Sub-Systems, CICS 5.2, DB2 V8  
SHELFPATH=/LibSrvr/zOSV2R2/shelves  
CASEPATH=/LibSrvr/zOSV2R2/cases  
ADMIN=ephbooksrv  
DEBUG=0  
LOGBOOK=0  
NOTES=1  
BKSCollect=3  
CASESORT=2  
XKS=1  
FRAMES=0  
FOOTER=1  
CLIP=0  
PERSONALBC=1  
ICPATH=  
INFOCENTERS=  
ICIDS=  
NEWADMIN=0

z/OS UNIX Directory List

Row 1 to 15 of 34

Scroll ==> CSR

Command ==>

Pathname . : /SYSTEM/etc  
 EUID . . : 1000003

Command	Filename	Message	Permission	Type	Modified
	.		rwxr-xr-x	Dir	2017/10/11
	..		rwxr-xr-x	Dir	2015/04/25
	auto.master		rw-r--r--	File	2016/11/09
	bookmgr.80		rw-r--r--	File	2016/11/18
	booksrv.stderr		rwX-----	File	2016/12/01
	booksrv.stdin		rw-r-----	File	2016/11/03
	booksrv.stdout		rwX-----	File	2016/12/01
	booksrv.80	Browsed	rwXrwxrwx	File	2018/04/24
	caldap		rwxr-xr-x	Dir	2019/05/16
	dfs		rwxr-xr-x	Dir	2015/04/25
	init.options	LL Done	rw-r--r--	File	2016/11/03
	ioepdcf		rwXrwxrwx	Sym1	2016/08/02
	ldap		rwxr-xr-x	Dir	2015/04/25
	log		rw-r--r--	File	2019/05/16
	magic		rw-r--r--	File	2016/11/03



# Variables available in SHARED Pool

• ZUDLCMD	Line command	8
• ZUDPATH	Pathname of file	1023
• ZUDFTYPE	File type	4
• ZUDFPERM	File Permissions	10
• ZUDFPRMO	File Permissions – octal	4
• ZUDFOWN	Owner	8
• ZUDFAUDIT	Audit Settings	6
• ZUDFEXTA	Extended attributes	4
• ZUDFFORM	File format	4
• ZUDFGRP	Owner group	8

# Variables available in SHARED Pool ...

• ZUDFLNKS	Links	14
• ZUDFSIZE	File size	20
• ZUDFMDTM	Modified date/time	19
• ZUDFCDTM	Changed date/time	19
• ZUDFADTM	Accessed date/time	19
• ZUDCRDTM	Created date/time	19
• ZUDFAUDIT	Audit Settings	6

# Variables that can be returned in SHARED Pool

- ZUDMESSG      Message to appear in list      16

Data Set List Utility

Option ==>

More: +

blank Display data set list            P Print data set list  
V Display VTOC information            PV Print VTOC information

Enter one or both of the parameters below:

Dsname Level . . . DAND  
Volume serial . . . \_\_\_\_\_

Select the Dsname Level/Volume serial combination desired:

— . . DAND . . .  
— . . DAND.SYS1.P\* . . .  
— . . DAND.\*\*.G%/%/%V%/% . . .  
— . . /SYSTEM/etc . . .  
— . . /www . . . LPT001  
— . . . . .  
— . . . . .  
— . . . . .  
— . . . . .  
— . . . . .  
— . . . . .


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