

SELCOPY/i

Structured Data Edit

Release 1.80

Monday, March 01, 2010

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The logo for Compute (Bridgend) Ltd, consisting of the letters 'CBL' in a stylized, handwritten font.

What is Structured Data Edit ?

- You may know it as Copybook Editing with Structures
 - Edit any File regardless of its size or users region size.
 - Including Multi-volume datasets
 - Apply copybook structures to data.
 - Apply CBL structures to any file without a copybook
 - Multiple views of same data concurrently
 - Selectively display columns, column order, remove as required.
 - View Multiple Record Types Concurrently
 - SQL type syntax provides easy control of data displayed

File Edit Font Transfer Macro Options Window Help

-CBLi for TSO 1.6B - Build=200807021252 OpSys=z/OS 1.9.0 User=DRA

File List Utilities System Window SwapList Help

CBLi
File Edit Actions Options Window Help ? Sv ToF BoF wS wR Pfx <>

```

Browse CBL.DIST.CBLI.SDE.SAMP.VAR(DATYPES) using DRA.CBLI.SDO(COBTYPES) 16384 V PDSE
Command>
000000 *** Top of Data ***
Record type: DATA-TYPES-1 V(39,49)
  LRecl MYREC MYBINTEGER MYCHARACTER MYDECIMAL MYFIXED MYFLOAT MYHEXADECIMAL MYINTEGER MYLL MYSTRCH(1) MYSTRCH(2) MYSTRCH(3) MYSTRCH(
  #2 #3 #4 #5 #6 #7 #8 #9 #11 #13 #13 #13 #13
  AN 1:1 FB 2:2 AN 4:4 PD 8:4 FB 12:4 FP 16:4 AN 20:4 FB 24:2 FB 26:2 AN 28:1 AN 29:1 AN 30:1 AN 31:1
  - <---+> <---+> <---+> <---+> <---+> <---+> <---+> <---+> <---+> <---+> <---+> <---+> <---+>
000001 47 1 9 abcd 1234.56 1234567.89 +0.10000000E+02 ..~.
000002 47 1 9 abcd 1234.56 1234567.89 +0.10000000E+02 ..~.
000003 48 1 -1 abcd -1234.56 -1234567.89 +0.10000000E+01 1...
Record type: DATA-TYPES-2 V(42,46)
  LRecl MYREC MYZONED MYINTEGER MYXVARCHAR MYLL MYSTRCH(1) MYSTRCH(2) MYSTRCH(3) MYSTRCH(4) MYSTRCH(5) MYSTRCH(6) MYSTRCH(7) MYHEXADECIMAL
  #2 #3 #4 #5 #7 #9 #9 #9 #9 #9 #9 #9 #10
  AN 1:1 ZD 2:4 FB 6:2 AN 8:8 FB 16:2 AN 18:1 AN 19:1 AN 20:1 AN 21:1 AN 22:1 AN 23:1 AN 24:1 AN 25:4
  - <---+> <---+> <---+> <---+> <---+> <---+> <---+> <---+> <---+> <---+> <---+> <---+> <---+>
000004 45 2 12.34 8 ABCDEFGH 6 a b c d e f
000005 46 2 12.34 8 ABCDEFGH 7 a b c d e f g
Record type: DATA-TYPES-1 V(39,49)
  LRecl MYREC MYBINTEGER MYCHARACTER MYDECIMAL MYFIXED MYFLOAT MYHEXADECIMAL MYINTEGER MYLL MYSTRCH(1) MYSTRCH(2) MYSTRCH(3) MYSTRCH(
  #2 #3 #4 #5 #6 #7 #8 #9 #11 #13 #13 #13 #13
  AN 1:1 FB 2:2 AN 4:4 PD 8:4 FB 12:4 FP 16:4 AN 20:4 FB 24:2 FB 26:2 AN 28:1 AN 29:1 AN 30:1 AN 31:1
  - <---+> <---+> <---+> <---+> <---+> <---+> <---+> <---+> <---+> <---+> <---+> <---+> <---+>
000006 44 1 6 abcd 1234.56 8090640.56 +0.95367431E-06 ....
000007 42 1 -3 abcd 1234.56 8090640.56 +0.83378875E-56 ....
000008 *** End of Data ***

```

View Multiple Record Types

Browse CBL.DIST.CBLI.SDE.SAMP.VAR(DATYPES) using DRA.CBLI.SDO(DIRTYPES) 16384 V PDSE

Command> Scroll> Csr

000000 *** Top of Data ***

Record type: DATA_TYPES_1 V(31,51)

MyRec #2	MyBINT(1) #4 #5	MyBIT(1) #4 #5	MyBINT(2) #4 #5	MyBIT(2) #4 #5	MyCHARacter #6	MyDECimal #7	MyFIXed #8	MyFLOAT #9 #10	MyHEXadecimal #11 #12	MyINTEger #11 #12	MyVARCHAR #13	MyXVARCHAR #13
BN 1:1	BI 2.0:2 BT 2.2:6	BT 2.2:6	BI 3.0:2 BT 3.2:6	BT 3.2:6	AN 4:4	PD 8:4	FB 12:4	FP 16:4 X 20:4	BN 24:2 AN 26:12	AN 26:12	AN 38:10	AN 38:10
<->	- <---->	- <---->	- <---->	- <---->	<->	<---->	<---->	<---->	<---->	<---->	<---->	<---->
000001 47	241	0 000000	0 001001	abcd	1234.56	1234567.89	+0.10000000E+02	789ABCDE	8 abcdefgh	8 abcdefgh	8 abcdefgh	8 abcdefgh
	F			8888	0246	05C1	4A00 79BD	00 88888888	00 88888888	00 88888888	00 88888888	00 88888888
	1			1234	135C	7BD5	1000 8ACE	08 12345678	08 12345678	08 12345678	08 12345678	08 12345678
000002 47	241	0 000000	0 001001	abcd	1234.56	1234567.89	+0.10000000E+02	789ABCDE	8 abcdefgh	8 abcdefgh	8 abcdefgh	8 abcdefgh
	F			8888	0246	05C1	4A00 79BD	00 88888888	00 88888888	00 88888888	00 88888888	00 88888888
	1			1234	135C	7BD5	1000 8ACE	08 12345678	08 12345678	08 12345678	08 12345678	08 12345678
000003 48	241	3 111111	3 111111	abcd	-1234.56	-1234567.89	+0.10000000E+01	F1234567	8 abcdefghi	8 abcdefghi	8 abcdefghi	8 abcdefghi
	F			8888	0246	FA3E	4100 F246	00 88888888	00 88888888	00 88888888	00 88888888	00 88888888
	1			1234	135D	842B	1000 1357	08 123456789	08 123456789	08 123456789	08 123456789	08 123456789

Record type: DATA_TYPES_2 V(31,51)

MyZONEd #2	MyINTEger #3	MyVARCHAR #4 #5	MyVARCHAR #6	MyHEXadecimal #7	MyBINT(1) #13 #14	MyBIT(1) #13 #14	MyBINT(2) #13 #14
BN 1:1	ZD 2:4	AN 8:10	AN 18:12	X 30:4	BI 50.0:2	BT 50.2:6	BI 51.0:2
<->	<---->	<---->	<---->	<---->	- <---->	- <---->	- <---->
000004 45	242	12.34	8 ABCDEFGH	abcdef	789ABCDE	+0.10000000E+02	3 000000
	F	FFFF	00 CCCCCCCC	888888	79BD		2
	2	1234	08 12345678	123456	8ACE		
000005 46	242	12.34	8 ABCDEFGH	abcdefg	789ABCDE	+0.10000000E+02	3 000000
	F	FFFF	00 CCCCCCCC	8888888	79BD	4A00 05C1	0246 8888
	2	1234	08 12345678	1234567	8ACE	1000 7BD5	135C 1234

Record type: DATA_TYPES_1 V(31,51)

MyBIT(2) #5	MyCHARacter #6	MyDECimal #7	MyFIXed #8	MyFLOAT #9 #10	MyHEXadecimal #11 #12	MyINTEger #11 #12	MyVARCHAR #13	MyXVARCHAR #13
BT 3.2:6	AN 4:4	PD 8:4	FB 12:4	FP 16:4 X 20:4	BN 24:2 AN 26:12	AN 26:12	AN 38:10	AN 38:10
<---->	<->	<---->	<---->	<---->	<---->	<---->	<---->	<---->
000006 001110	abcd	1234.56	8090640.56	+0.95367431E-06	12345678	8 abcde	8 abcde	8 abcde
	8888	0246	3357	4001 1357	00 88888	00 88888	00 88888	00 88888
	1234	135C	0968	0000 2468	08 12345	08 12345	08 12345	08 12345
000007 11101	abcd	1234.56	8090640.56	+0.83378875E-56	12345678	8 abc	8 abc	8 abc
	8888	0246	3357	1357 1357	00 888	00 888	00 888	00 888
	1234	135C	0968	2468 2468	08 123	08 123	08 123	08 123
000008								

Hex Display Data

Multiple display formats are available: Table (default), Hex, Char, Single.

Browse CBL.DIST.CBLI.SDE.SAMP.VAR(DATTYPES) using DRA.CBLI.SDO(DIRTYPES) 16384 V PDSE

Command> format char

000000 *** Top of Data ***

Record type: DATA_TYPES_1 V(31,51)

MyRec	MyBINT(1)	MyBIT(1)	MyBINT(2)	MyBIT(2)	MyDECim	MyINTEGER	MyVARCHAR	MyXVARCHAR
#2	#4 #5	#4 #5	#4 #5	#6		#7	#8	#9
BN 1:1	BI 2.0:2 BT 2.2:6	BI 3.0:2 BT 3.2:6	AN 4:4					
47	241	0 000000	0 001001	abcd	1234.56	1234567.89	+0.10000000E+02	789ABCDE
F				8888	0246	05C1	4A00 79BD	8 abcdefgh ABCDEFGH
1				1234	135C	7BD5	1000 8ACE	00 88888888 CCCCCCCC
								08 12345678 12345678

Record type: DATA_TYPES_2 V(31,51)

MyRec	MyZONed	MyINTEGER	MyVARCHAR	MyXVARCHAR	MyHEXadecimal	MyFLOAT	MyFIXed	MyDECimal	MyCHARacter	MyBINT(1)	MyBIT(1)	MyBINT(2)
#2	#3	#4 #5	#5	#6	#7	#8	#9	#10 #11	#11	#13 #14	#13	#13
BN 1:1	ZD 2:4	BN 6:2 AN 8:10	AN 18:12	X 30:4		FP 34:4	FB 38:4	PD 42:4 AN 46:4		BI 50.0:2 BT 50.2:6	BI 51.0:2	
45	242	12.34	8 ABCDEFGH	abcdef	789ABCDE	+0.10000000E+02	1234567.89	1234.56	abcd	3 000000	-	2
F		FFFF	00 CCCCCCCC	888888	79BD	4A00	05C1	0246 8888				
2		1234	08 12345678	123456	8ACE	1000	7BD5	135C 1234				

Record type: DATA_TYPES_1 V(31,51)

MyRec	MyBINT(1)	MyBIT(1)	MyFIXed	MyFLOAT	MyHEXadecimal	MyINTEGER	MyVARCHAR	MyXVARCHAR
#2	#4 #5	#4 #5	#8	#9 #10	#9 #10	#11 #12	#11	#13
BN 1:1	BI 2.0:2 BT 2.2:6		FB 12:4	FP 16:4 X 20:4		BN 24:2 AN 26:12	AN 38:10	
44	241	0 000000	8090640.56	+0.95367431E-06	12345678	8 abcde	ABCDEFGH	
F			3357	4001 1357		00 88888	CCCCCCCC	
1			135C	0968	0000 2468	08 12345	12345678	

Record type: DATA_TYPES_1 V(31,51)

MyRec	MyBINT(1)	MyBIT(1)	MyFIXed	MyFLOAT	MyHEXadecimal	MyINTEGER	MyVARCHAR	MyXVARCHAR
#2	#4 #5	#4 #5	#8	#9 #10	#9 #10	#11 #12	#11	#13
BN 1:1	BI 2.0:2 BT 2.2:6		FB 12:4	FP 16:4 X 20:4		BN 24:2 AN 26:12	AN 38:10	
42	241	3 111111	8090640.56	+0.83378875E-56	12345678	8 abc	ABCDEFGH	
F			0246	3357	1357 1357	00 888	CCCCCCCC	
1			135C	0968	2468 2468	08 123	12345678	

000008 *** End of Data ***

Change format to Character

format char

Browse CBL.DIST.CBLI.SDE.SAMP.VAR(DATTYPES) using DRA.CBLI.SDO(DIRTYPES) 16384 V PDSE Scroll> Csr

```

Command>
000000 *** Top of Data ***
Record type: DATA_TYPES_1 V(31,51)
  LRecl MyRec MyBINT(1) MyBIT(1) MyBINT(2) MyBIT(2) MyCHARacter MyDECimal MyFIXed MyFLOAT MyHEXadecimal MyINteger MyVARCHAR MyXVARCHAR
        #2 #4 #5 #4 #5 #6 #7 #8 #9 #10 #11 #12 #13
  BN 1:1 BI 2.0:2 BT 2.2:6 BI 3.0:2 BT 3.2:6 AN 4:4 PD 8:4 FB 12:4 FP 16:4 X 20:4 BN 24:2 AN 26:12 AN 38:10
  <-> - <----> - <----> <----> <----> <----> <----> <----> <----> <----> <----> <----> <---->
000001 47 241 0 000000 0 001001 abcd 1234.56 1234567.89 +0.10000000E+02 789ABCDE 8 abcdefgh ABCDEFGH
        F 246 0246 05C1 4A00 79BD 00 88888888 CCCCCCCC
        1 35C 7BD5 1000 8ACE 08 12345678 12345678
Record type: DATA_TYPES_2 V(31,51)
  LRecl MyRec MyZONed MyINTeger MyDECimal MyFIXed MyFLOAT MyCHARacter MyBINT(1) MyBIT(1) MyBINT(2)
        #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #13 #14 #15
  BN 1:1 BT 2:4 AN 6:2 AN 8:10 AN 18:12 X 30:4 FP 34:4 FB 38:4 PD 42:4 AN 46:4 BI 50.0:2 BT 50.2:6 BI 51.0:2
  <-> <----> <----> <----> <----> <----> <----> <----> <----> <----> <----> <----> <----> <---->
000004 45 242 12.34 8 ABCDEFGH abcdef 789ABCDE +0.10000000E+02 1234567.89 1234.56 abcd 3 000000 -
        F FFFF 00 CCCCCCCC 888888 79BD 00000000 00000000 00000000 00000000 00000000 00000000
        2 1234 08 12345678 123456 8ACE 00000000 00000000 00000000 00000000 00000000 00000000
000005 46 242 12.34 8 ABCDEFGH abcdefg 789ABCDE +0.10000000E+02 1234567.89 1234.56 abcd 3 000000 2
        F FFFF 00 CCCCCCCC 8888888 79BD 00000000 00000000 00000000 00000000 00000000 00000000
        2 1234 08 12345678 1234567 8ACE 00000000 00000000 00000000 00000000 00000000 00000000
Record type: DATA_TYPES_1 V(31,51)
  LRecl MyRec MyBINT(1) MyBIT(1) MyBINT(2) MyBIT(2) MyCHARacter MyDECimal MyFIXed MyFLOAT MyHEXadecimal MyINteger MyVARCHAR MyXVARCHAR
        #2 #4 #5 #4 #5 #6 #7 #8 #9 #10 #11 #12 #13
  BN 1:1 BI 2.0:2 BT 2.2:6 BI 3.0:2 BT 3.2:6 AN 4:4 PD 8:4 FB 12:4 FP 16:4 X 20:4 BN 24:2 AN 26:12 AN 38:10
  <-> - <----> - <----> <----> <----> <----> <----> <----> <----> <----> <----> <---->
000006 44 241 0 000000 0 000110 abcd 1234.56 8090640.56 +0.95367431E-06 12345678 8 abcde ABCDEFGH
        F 0246 0357 4001 1357 00 88888 00000000 CCCCCCCC
        1 1234 135C 0968 0000 2468 08 12345 12345678
000007 42 241 3 111111 3 111101 abcd 1234.56 8090640.56 +0.83378875E-56 12345678 8 abc ABCDEFGH
        F 0246 0357 1357 1357 00 888 00000000 CCCCCCCC
        1 1234 135C 0968 2468 2468 08 123 12345678
000008 *** End of Data ***
    
```

Record Number

Record Length

This row shows Field Type.

Browse CBL.DIST.CBLI.SDE.SAMP.VAR(DATYPES) using DRA.CBLI.SDO(DIRTYPES) 16384 V PDSE Scroll> Csr

*** Top of Data ***

Record type: DATA_TYPES_1 V(31,51)

LRcL	MyRec #2	MyBINT(1) #4 #5	MyBIT(1) #4 #5	MyBINT(2) #4 #5	MyBIT(2) #4 #5	MyCHARacter #6	MyDECimal #7	MyFIXed #8	MyFLOAT #9 #10	MyHEXadecimal #9 #10	MyINTeger #11 #12	MyVARCHAR #11 #12	MyXVARCHAR #13
BN 1:1	BI 2.0:2	BT 2.2:6	BT 2.2:6	BI 3.0:2	BT 3.2:6	AN 4:4	PD 8:4	FB 12:4	FP 16:4	X 20:4	BN 24:2	AN 26:12	AN 38:10
<->	- <---->	- <---->	- <---->	- <---->	- <---->	<->	<---->	<-----1>	<-----1-->	<----->	<---->	<----->	<----->
000001	47	241	0	000000	0	001001	abcd	1234.56	1234567.89	+0.10000000E+02	789ABCDE	8 abcdefgh	ABCDEF GH
		F					8888	0246			00 88888888	CCCCCCCC	
		1					1234	135C			08 12345678	12345678	
000002	47	241	0	000000	0	001001	abcd	1234.56	12345		8 abcdefgh	ABCDEF GH	
		F					8888	0246			00 88888888	CCCCCCCC	
		1					1234	135C			08 12345678	12345678	
000003	48	241	3	111111	3	111111	abcd	-1234.56	-12345		8 abcdefghi	ABCDEF GH	
		F					8888	0246			00 88888888	CCCCCCCC	
		1					1234	135D	842B	1000	1357	08 123456789	12345678

Record type: DATA_TYPES_2 V(31,51)

LRcL	MyRec #2	MyZONed #3	MyINTeger #4 #5	MyXVARCHAR #5	MyVARCHAR #5	MyHEXadecimal #7	MyFLOAT #8	MyFIXed #9	MyDECimal #10 #11	MyCHARacter #11	MyBINT(1) #13 #14	MyBIT(1) #13 #14	MyBINT(2) #13
BN 1:1	ZD 2:4	BN 6:2	AN 8:10	AN 18:12	X 30:4	FP 34:4	FB 38:4	PD 42:4	AN 46:4	BI 50.0:2	BT 50.2:6	BI 51.0:2	
<->	<---->	<---->	<---->	<---->	<---->	<---->	<-----1>	<----->	<----->	<----->	- <---->	- <---->	
000004	45	242	12.34	8 ABCDEFGH	ab		1234567.89	1234.56	abcd		3 000000		2
		F	FFFF	00 CCCCCCCC	88		05C1	0246	8888				
		2	1234	08 12345678	12		7B05	135C	1234				
000005	46	242	12.34	8 ABCDEFGH	ab		1234567.89	1234.56	abcd		3 000000		2
		F	FFFF	00 CCCCCCCC	88		05C1	0246	8888				
		2	1234	08 12345678	12		7B05	135C	1234				

Record type: DATA_TYPES_1 V(31,51)

LRcL	MyRec #2	MyBINT(1) #4 #5	MyBIT(1) #4 #5	MyBINT(2) #4 #5	MyBIT(2) #4 #5	MyCHARacter #6	MyDECimal #7	MyFIXed #8	MyFLOAT #9 #10	MyHEXadecimal #9 #10	MyINTeger #11 #12	MyVARCHAR #11 #12	MyXVARCHAR #13
BN 1:1	BI 2.0:2	BT 2.2:6	BT 2.2:6	BI 3.0:2	BT 3.2:6	AN 4:4	PD 8:4	FB 12:4	FP 16:4	X 20:4	BN 24:2	AN 26:12	AN 38:10
<->	- <---->	- <---->	- <---->	- <---->	- <---->	<->	<---->	<-----1>	<-----1-->	<----->	<---->	<----->	<----->
000006	44	241	0	000000	0	000110	abcd	1234.56	8090640.56	+0.95367431E-06	12345678	8 abcde	ABCDEF GH
		F					8888	0246	3357	4001	1357	00 88888	CCCCCCCC
		1					1234	135C	0968	0000	2468	08 12345	12345678
000007	42	241	3	111111	3	111101	abcd	1234.56	8090640.56	+0.83378875E-56	12345678	8 abc	ABCDEF GH
		F					8888	0246	3357	1357	1357	00 888	CCCCCCCC
		1					1234	135C	0968	2468	2468	08 123	12345678

000008 *** End of Data ***

PF10/PF11
Shift <Left/Right>

Place cursor on record
& Press PF2 to Zoom
into a single Record.



```

Browse CBL.DIST.CBLI.SDE.SAMP.VAR(DATTYPES):1 using DRA.CBLI.SDO(DIRTYSES)
Command>
000000 *** Top of Data ***
Record type: DATA_TYPES_1 V(31,51)
  LRecl MyRec MyBINT(1) MyBIT(1) MyBINT(2) MyBIT(2) MyCHARacter MyDECimal
        #2 #4 #5 #4 #5 #6 #7
        BN 1:1 BI 2.0:2 BT 2.2:6 BI 3.0:2 BT 3.2:6 AN 4:4 PD 8:4
        <-> - <----+> - <----+> <-> <----+>
000001 47 241 0 000000 0 001001 abcd 1234.56
        F 8888 0246
        1 1234 135C
000002 47 241 0 000000 0 001001 abcd 1234.56
        F 8888 0246
        1 1234 135C
000003 48 241 3 111111 3 111111 abcd -1234.56
        F 8888 0246
        1 1234 135D

Record type: DATA_TYPES_2 V(31,51)
  LRecl MyRec MyZONed MyINteger MyXVARCHAR MyVARCHAR MyHEXadecimal
        #2 #3 #4 #5 #6 #7
        BN 1:1 ZD 2:4 BN 6:2 AN 8:10 AN 18:12 X 30:4
        <-> <----+> <----+> <----+> <----+> <----+> <----+>
000004 45 242 12.34 8 ABCDEFGH abcdef 789ABCDE +0.10
        F FFFF 00 CCCCCCCC 888888 79BD
        2 1234 08 12345678 123456 8ACE
000005 46 242 12.34
        F FFFF
        2 1234

Record type: DATA_TYPES_1 V
  LRecl MyRec MyBINT(1) MyBIT(1) MyBINT(2) MyBIT(2) MyCHARacter MyDECimal
        #2 #4 #5 #4 #5 #6 #7
        BN 1:1 BI 2.0:2 BT 2.2:6 BI 3.0:2 BT 3.2:6 AN 4:4 PD 8:4
        <-> - <----+> - <----+> <-> <----+>
000006 44 241 0 000000 0 000110 abcd 1234.56
        F 8888 0246
        1 1234 135C
000007 42 241 3 111111 3 111101 abcd 1234.56
        F 8888 0246
        1 1234 135C
000008 *** End of Data ***
    
```

Opens New window
for single record.
Press PF3 to exit.

```

Browse CBL.DIST.CBLI.SDE.SAMP.VAR(DATTYPES):2 using DRA.CBLI.SDO(DIRTYSES)
Command>
Record type: DATA_TYPES_1 V(31,51)
Field Data
1 DATA_TYPES_1 AN 1:51
2 MyRec BN 1:1 241
2 (1) AN 2.0:8
3 MyBINT(1) BI 2.0:2 0
3 MyBIT(1) BT 2.2:6 000000
2 (2) AN 3.0:8
3 MyBINT(2) BI 3.0:2 0
3 MyBIT(2) BT 3.2:6 000110
2 MyCHARacter AN 4:4 abcd
2 MyDECimal PD 8:4 1234.56
2 MyFIXed FB 12:4 8090640.56
2 MyFLOAT FP 16:4 +0.95367431E-06
2 MyHEXadecimal X 20:4 12345678
2 MyINteger BN 24:2 8
2 MyVARCHAR AN 26:12 abcde
2 MyXVARCHAR AN 38:10 ABCDEFGH
2 MyZONed ZD 48:4 -12.34
    
```

Browse CBL.DIST.CBLI.SDE.SAMP.VAR(DATTYPES) using DRA.CBLI.SDO(DIRTYYPES) 16384 V PDSE Scroll> Csr

Command> select #2,#3,#4 from DATA_TYPES_2

*** Top of Data ***

Record type: DATA_TYPES_1 V(31,51)

LRcL	MyRec #2	MyBINT(1) #4	MyBIT(1) #5	MyBINT(2) #4	MyBIT(2) #5	MyDECIMAL #7	MyINTEGER #11	MyVARCHAR #12	MyXVARCHAR #13
000001	47	241	0	000000	0	001001	1234.56	8 abcdefgh	ABCDEF GH
000002	47	241	0	000000	0	001001	1234.56	8 abcdefgh	ABCDEF GH
000003	48	241	3	111111	3	111111	-1234.56	8 abcdefghi	ABCDEF GH

Record type: DATA_TYPES_2 V(31,51)

LRcL	MyRec #2	MyZONED #3	MyINTEGER #4	MyXVARCHAR #5	MyVARCHAR #6	MyHEXadecimal #7	MyFLOAT #8	MyFIXed #9	MyDECIMAL #10	MyCHARacter #11	MyBINT(1) #13	MyBIT(1) #14	MyBINT(2) #15
000004	45	242	12.34	8	ABCDEF GH	ab cdef	789ABC DE	+0.10000000E+02	1234567.89	1234.56	abcd	3	000000
000005	46	242	12.34	8	ABCDEF GH	ab cdef	789ABC DE	+0.10000000E+02	1234567.89	1234.56	abcd	3	000000

Record type: DATA_TYPES_2 V(31,51)

LRcL	MyRec #2	MyZONED #3	MyINTEGER #4	MyXVARCHAR #5	MyVARCHAR #6	MyHEXadecimal #7	MyFLOAT #9	MyDECIMAL #10	MyINTEGER #11	MyVARCHAR #12	MyXVARCHAR #13
000006	44	241	12.34	8	ABCDEF GH	ab cdef	789ABC DE	431E-06	12345678	8 abcde	ABCDEF GH
000007	42	241	12.34	8	ABCDEF GH	ab cdef	789ABC DE	431E-06	12345678	8 abc	ABCDEF GH

000008 *** End of Data ***

Selective display of Fields, using Field Number.

Select #2,#3,#4 from DATA_TYPES_2

Browse CBL.DIST.CBLI.SDE.SAMP.VAR(DATTYPES) using DRA.CBLI.SDO(DIRTYPES) 16384 V PDSE

Scroll> Csr

```

Command>
000000 *** Top of Data ***
Record type: DATA_TYPES_1 V(31,51)
  LRecl MyRec MyBINT(1) MyBIT(1) MyBINT(2) MyBIT(2) MyCHARacter MyDECimal MyFIXed MyFLOAT MyHEXadecimal MyINTEger MyVARCHAR MyXVARCHAR
        #2 #4 #5 #4 #5 #6 #7 #8 #9 #10 #11 #12 #13
        BN 1:1 BI 2.0:2 BT 2.2:6 BI 3.0:2 BT 3.2:6 AN 4:4 PD 8:4 FB 12:4 FP 16:4 X 20:4 BN 24:2 AN 26:12 AN 38:10
        <-> - <----+> - <----+> <-> <-----> <-----1> <-----1-----> <-----> <----+> <-----> <----->
000001 47 241 0 000000 0 001001 abcd 1234 8888 1234 9ABCDE BD CE 8 abcdefgh ABCDEFGH
        F 00 88888888 CCCCCCCC
        1 12345678 12345678
000002 47 241 0 000000 0 001001 abcd 1234 8888 1234 9ABCDE BD CE 8 abcdefgh ABCDEFGH
        F 00 88888888 CCCCCCCC
        1 12345678 12345678
000003 48 241 3 111111 3 111111 abcd 1234 8888 1234 9ABCDE BD CE 8 abcdefghi ABCDEFGH
        F 00 88888888 CCCCCCCC
        1 1000 1357 08 123456789 12345678

Record type: DATA_TYPES_2 V(31,51)
  LRecl MyRec MyZONEd MyINTEger
        #2 #3 #4
        BN 1:1 ZD 2:4 BN 6:2
        <-> <----+> <----+>
000004 45 242 12.34 8
        F FFFF 00
        2 1234 08
000005 46 242 12.34 8
        F FFFF 00
        2 1234 08

Record type: DATA_TYPES_1 V(31,51)
  LRecl MyRec MyBINT(1) MyBIT(1) MyBINT(2) MyBIT(2) MyCHARacter MyDECimal MyFIXed MyFLOAT MyHEXadecimal MyINTEger MyVARCHAR MyXVARCHAR
        #2 #4 #5 #4 #5 #6 #7 #8 #9 #10 #11 #12 #13
        BN 1:1 BI 2.0:2 BT 2.2:6 BI 3.0:2 BT 3.2:6 AN 4:4 PD 8:4 FB 12:4 FP 16:4 X 20:4 BN 24:2 AN 26:12 AN 38:10
        <-> - <----+> - <----+> <-> <-----> <-----1> <-----1-----> <-----> <----+> <-----> <----->
000006 44 241 0 000000 0 000110 abcd 1234.56 8090640.56 +0.95367431E-06 12345678 8 abcde ABCDEFGH
        F 0246 3357 4001 1357 00 88888 CCCCCCCC
        1 1234 135C 0968 0000 2468 08 12345 12345678
000007 42 241 3 111111 3 111101 abcd 1234.56 8090640.56 +0.83378875E-56 12345678 8 abc ABCDEFGH
        F 0246 3357 1357 1357 00 888 CCCCCCCC
        1 1234 135C 0968 2468 2468 08 123 12345678
000008 *** End of Data ***
    
```

Only 3 Fields now
Shown for
DATA_TYPES_2

Browse CBL.DIST.CBLI.SDE.SAMP.VAR(DATTYPES) using DRA.CBLI.SDO(DIRTYPES) 16384 V PDSE

Command> select all from DATA_TYPES_2

000000 *** Top of Data ***

Record type: DATA_TYPES_1 V(31,51)

LRcL	MyRec #2	MyBINT(1) #4 #5	MyBIT(1) #4 #5	MyBINT(2) #4 #5	MyBIT(2) #4 #5	MyCHARacter #6	MyDECimal #7	MyFIXed #8	MyFLOAT #9 #10	MyHEXadecimal #11 #12	MyINTeger #11 #12	MyVARCHAR #13	MyXVARCHAR #13
	BN 1:1	BI 2.0:2 BT 2.2:6	BT 2.2:6	BI 3.0:2 BT 3.2:6	BT 3.2:6	AN 4:4	PD 8:4	FB 12:4	FP 16:4 X 20:4	X 20:4	BN 24:2 AN 26:12	AN 38:10	AN 38:10
	<->	- <---->	- <---->	- <---->	- <---->	<->	<---->	<---->	<---->	<---->	<---->	<---->	<---->
000001	47	241	0 000000	0 001001	abcd	1234.56	1234567.89	+0.10000000E+02	789ABCDE	8	8	8	8
	F				8888	0246	05C1	4A00	79BD	00	00	88888888	CCCCCCCC
	1				1234	135C	7BD5	1000	8ACE	08	08	12345678	12345678
000002	47	241	0 000000	0 001001	abcd	1234.56	1234567.89	+0.10000000E+02	789ABCDE	8	8	8	8
	F				8888	0246	05C1	4A00	79BD	00	00	88888888	CCCCCCCC
	1				1234	135C	7BD5	1000	8ACE	08	08	12345678	12345678
000003	48	241	3 111111	3 111111	abcd	-1234.56	4567.89	+0.10000000E+01	F1234567	8	8	8	8
	F				8888	0246	05C1	4100	F246	00	00	88888888	CCCCCCCC
	1				1234	135D	7BD5	1000	1357	08	08	123456789	12345678

Record type: DATA_TYPES_2 V(31,51)

LRcL	MyRec #2	MyZONEd #3	MyINTeger #4
	BN 1:1	ZD 2:4	BN 6:2
	<->	<---->	<---->
000004	45	242	12.34
	F	FFFF	00
	2	1234	08
000005	46	242	12.34
	F	FFFF	00
	2	1234	08

Record type: DATA_TYPES_1 V(31,51)

LRcL	MyRec #2	MyBINT(1) #4 #5	MyBIT(1) #4 #5	MyBINT(2) #4 #5	MyBIT(2) #4 #5	MyCHARacter #6	MyDECimal #7	MyFIXed #8	MyFLOAT #9 #10	MyHEXadecimal #11 #12	MyINTeger #11 #12	MyVARCHAR #13	MyXVARCHAR #13
	BN 1:1	BI 2.0:2 BT 2.2:6	BT 2.2:6	BI 3.0:2 BT 3.2:6	BT 3.2:6	AN 4:4	PD 8:4	FB 12:4	FP 16:4 X 20:4	X 20:4	BN 24:2 AN 26:12	AN 38:10	AN 38:10
	<->	- <---->	- <---->	- <---->	- <---->	<->	<---->	<---->	<---->	<---->	<---->	<---->	<---->
000006	44	241	0 000000	0 000110	abcd	1234.56	8090640.56	+0.95367431E-06	12345678	8	8	8	8
	F				8888	0246	3357	4001	1357	00	00	88888	CCCCCCCC
	1				1234	135C	0968	0000	2468	08	08	12345	12345678
000007	42	241	3 111111	3 111101	abcd	1234.56	8090640.56	+0.83378875E-56	12345678	8	8	8	8
	F				8888	0246	3357	1357	1357	00	00	888	CCCCCCCC
	1				1234	135C	0968	2468	2468	08	08	123	12345678

000008 *** End of Data ***

Restore all Fields for DATA-TYPES_2

Browse CBL.DIST.CBLI.SDE.SAMP.VAR(DATTYPES) using DRA.CBLI.SDO(DIRTYPES) 16384 V PDSE

Command> | Scroll> Csr

Record type: DATA_TYPES_1 V(31,51)

LRcL	MyRec #2	MyBINT(1) #4	MyBIT(1) #5	MyBINT(2) #4	MyBIT(2) #5	MyCHARacter #6	MyDECimal #7	MyFIXed #8	MyFLOAT #9	MyHEXadecimal #10	MyINTEger #11	MyVARCHAR #12	MyXVARCHAR #13	
BN 1:1	BI 2.0:2	BT 2.2:6	BI 3.0:2	BT 3.2:6	AN 4:4	PD 8:4	FB 12:4	FP 16:4	X 20:4	BN 24:2	AN 26:12	AN 38:10		
<->	- <---+>	- <---+>	- <---+>	- <---+>	<->	<---+--->	<---+---1---	<---+---1---	<---+---	<---+>	<---+--->	<---+--->		
000002	47	241	0	000000	0	001001	abcd	1234.56	1234567.89	+0.10000000E+02	789ABCDE	8	abcdefgh	ABCDEFGH
	F					8888	0246	05C1	4A00	79BD	00	88888888	CCCCCCCC	
	1					1234	135C	7BD5	1000	8ACE	08	12345678	12345678	
000003	48	241	3	111111	3	111111	abcd	-1234.56	-1234567.89	+0.10000000E+01	F1234567	8	abcdefghi	ABCDEFGH
	F					8888	0246	FA3E	4100	F246	00	88888888	CCCCCCCC	
	1					1234	135D	842B	1000	1357	08	123456789	12345678	
000004	----- 2 line(s) suppressed: record type DATA_TYPES_2 -----													
000005	44	241	0	000000	0	001110	abcd	1234.56	8090640.56	+0.95367431E-06	12345678	8	abcde	ABCDEFGH
	F					8888	0246	3357	4001	1357	00	88888	CCCCCCCC	
	1					1234	135C	0968	0000	2468	08	12345	12345678	
000007	42	241	3	111111	3	111101	abcd	1234.56	8090640.56	+0.83378875E-56	12345678	8	abc	ABCDEFGH
	F					8888	0246	3357	1357	1357	00	888	CCCCCCCC	
	1					1234	135C	0968	2468	2468	08	123	12345678	
000008	*** End of Data ***													

All records not of same record type are now Shaded out.

Browse CBL.DIST.CBLI.SDE.SAMP.VAR(DATTYPES) using DRA.CBLI.SDO(DIRTYPES) 16384 V PDSE

Command> v DATA_TYPES_2

Record type: DATA_TYPES_1 V(31,51)

LRcL	MyRec #2	MyBINT(1) #4	MyBIT(1) #4	MyBINT(2) #4 #5	MyBIT(2) #5	MyCHARacter #6	MyDECimal #7	MyFIXed #8	MyFLOAT #9	MyHEXadecimal #10	MyINTEger #11 #12	MyVARCHAR #13	MyXVARCHAR #13
BN 1:1	BT 2:0:2	BT 2:0:5	BT 2:0:5	BI 3:0:2	BT 3:2:6	AN 4:4	PD 8:4	FB 12:4	FP 16:4	X 20:4	BN 24:2	AN 26:12	AN 38:10
000001	47	241	0	000000	0	001001	abcd	1234.56	1234567.89	+0.10000000E+02	789ABCDE	8 abcdefgh	ABCDEF GH
	F						8888	0246	05C1	4A00	79BD	00 88888888	CCCCCCCC
	1						1234	135C	7BD5	1000	8ACE	08 12345678	12345678
000002	47	241	0	000000	0	0	abcd	1234.56	1234567.89	+0.10000000E+02	789ABCDE	8 abcdefgh	ABCDEF GH
	F						888	0246	05C1	4A00	79BD	00 88888888	CCCCCCCC
	1						1234	135C	7BD5	1000	8ACE	08 12345678	12345678
000003	48	241	3	111111	3	111111	abcd	-1234.56	-1234567.89	+0.10000000E+01	F1234567	8 abcdefghi	ABCDEF GH
	F						8888	0246	FA3E	4100	F246	00 88888888	CCCCCCCC
	1									1000	1357	08 12345678	12345678
000004	----- 2 line(s) suppressed: record type												
000005	44	241	0	000000	0	000110			E-06	12345678	8 abcde	ABCDEF GH	
	F								4001	1357	00 88888	CCCCCCCC	
	1								0000	2468	08 12345	12345678	
000007	42	241	3	111111	3	111101			E-56	12345678	8 abc	ABCDEF GH	
	F								1357	1357	00 888	CCCCCCCC	
	1								2468	2468	08 123	12345678	
000008	*** End of Data ***												

Now view only Record type: DATA_TYPES_2

v DATA_TYPES_2

File Edit Font Transfer Macro Options Window Help

-CBLi for TSO 1.6B - Build=200807021252 OpSys=z/OS 1.9.0 User=DRA

File List Utilities System Window SwapList Help

CBLi

File Edit Actions Options Window Help ? Sv ToF BoF wS wR Pfx <>

Browse CBL.DIST.CBLI.SDE.SAMP.VAR(DATTYPES) using DRA.CBLI.SDO(DIRTPES) 16384 V PDSE

Command> | Scroll> Csr

000001 ----- 3 line(s) suppressed: record type DATA_TYPES_1 -----

Record type: DATA_TYPES_2 V(31,51)

MyRec #2	MyZONE #3	MyINTEGER #4	MyXVARIABLE #5	MyVARIABLE #6	MyHEXadecimal #7	MyFLOAT #8	MyFIXed #9	MyDECimal #10	MyCHARacter #11	MyBINT(1) #13	MyBIT(1) #14	MyBINT(2) #13	
BN 1:1	ZD 2:4	BN 6:2	AN 8:10	AN 18:12	X 30:4	FP 34:4	FB 38:4	PD 42:4	AN 46:4	BI 50.0:2	BT 50.2:6	BI 51.0:2	
<->	<---+>	<---+>	<---+>	<---+>	<---+>	<---+>	<---+>	<---+>	<---+>	- <---+>	- <---+>	-	
000004	45	242	12.34	8 ABCDEFGH	abcdef	789ABCDE	+0.10000000E+02	1234567.89	1234.56	abcd	3	000000	2
	F	FFFF		00 CCCCCCCC	8888888	79BD	4A00	05C1	0246	8888			
	2	1234		08 12345678	1234567	8ACE	1000	7BD5	135C	1234			
000005	46	242	12.34	8 ABCDEFGH	abcdefg	789ABCDE	+0.10000000E+02	1234567.89	1234.56	abcd	3	000000	2
	F	FFFF		00 CCCCCCCC	8888888	79BD	4A00	05C1	0246	8888			
	2	1234		08 12345678	1234567	8ACE	1000	7BD5	135C	1234			
000006	----- 2 line(s) suppressed: record type DATA_TYPES_1 -----												
000008	*** End of Data ***												

Now DATA_TYPES_1
record type is
shadowed.



Browse CBL.DIST.CBLI.SDE.SAMP.VAR(DATTYPES) using DRA.CBLI.SDO(DIRTYPES) 16384 V PDSE Scroll> Csr

Command>

000000 *** Top of Data ***

Record type: DATA_TYPES_1 V(31,51)

LRcL	MyRec #2	MyBINT(1) BI 2.0:2	MyBIT(1) BT 2.2:6	MyBINT(2) BI 3.0:2	MyBIT(2) BT 3.2:6	MyCHARacter AN 4:4	MyDECimal PD 8:4	MyFIXed FB 12:4	MyFLOAT FP 16:4	MyHEXadecimal X 20:4	MyINTeger BN 24:2	MyVARCHAR AN 26:12	MyXVARCHAR AN 38:10
000001	47	241	0	000000	0	001001			000E+02	789ABCDE	8	abcdefgh	ABCDEFGH
000002	47	241	0	000000	0	001001			000E+02	789ABCDE	8	abcdefgh	ABCDEFGH
000003	48	241	3	111111	3	111111	abcd	-1234.56	+0.10000000E+01	F1234567	8	abcdefghi	ABCDEFGH

Record type: DATA_TYPES_2 V(31,51)

LRcL	MyRec #2	MyZONed ZD 2:4	MyINTeger BN 6:2	MyXVARCHAR AN 8:10	MyVARCHAR AN 18:12	MyHEXadecimal X 30:4	MyFLOAT FP 34:4	MyFIXed FB 38:4	MyDECimal PD 42:4	MyCHARacter AN 46:4	MyBINT(1) BI 50.0:2	MyBIT(1) BT 50.2:6	MyBINT(2) BI 51.0:2
000004	45	242	12.34	8	ABCDEFGH	abcdef	789ABCDE	+0.10000000E+02	1234567.89	1234.56	abcd	3	000000
000005	46	242	12.34	8	ABCDEFGH	abcdefg	789ABCDE	+0.10000000E+02	1234567.89	1234.56	abcd	3	000000

Record type: DATA_TYPES_1 V(31,51)

LRcL	MyRec #2	MyBINT(1) BI 2.0:2	MyBIT(1) BT 2.2:6	MyBINT(2) BI 3.0:2	MyBIT(2) BT 3.2:6	MyCHARacter AN 4:4	MyDECimal PD 8:4	MyFIXed FB 12:4	MyFLOAT FP 16:4	MyHEXadecimal X 20:4	MyINTeger BN 24:2	MyVARCHAR AN 26:12	MyXVARCHAR AN 38:10
000006	44	241	0	000000	0	000110	abcd	1234.56	8090640.56	+0.95367431E-06	12345678	8	abcde
000007	42	241	3	111111	3	111101	abcd	1234.56	8090640.56	+0.83378875E-56	12345678	8	abc

000008 *** End of Data ***

Move cursor to record and press Shift-PF2.



Browse CBL.DIST.CBLI.SDE.SAMP.VAR(DATYPES) using DRA.CBLI.SDO(DIRTYPES) 16384 V PDSE

Command>

000000 *** Top of Data ***

Record type: DATA_TYPES_1 V(31,51)

LRcL	MyRec #2	MyBINT(1) #4 #5	MyBIT(1) BI 2.0:2	MyBINT(2) BT 2.2:6	MyBIT(2) BT 3.2:6	MyCHARacter AN 4:4	MyDECIal PD 8:4	MyFIXed FB 12:4	MyFLOAT FP 16:4	MyHEXadecimal X 20:4	MyINTEger BN 24:2	MyVARCHAR AN 26:12	MyXVARCHAR AN 38:10
000001	47	241	0	000000	0	001001	abcd	1234.56	1234567.89	+0.10000000E+02	789ABCDE	8 abcdefgh	ABCDEFGH
000002	47	241	0	000000	0	001001	abcd	1234.56	1234567.89	+0.10000000E+02	789ABCDE	8 abcdefgh	ABCDEFGH
000003	48	241	3	111111	3	111111	abcd	1234.56	1234567.89	+0.10000000E+01	F1234567	8 abcdefghi	ABCDEFGH

Record type: DATA_TYPES_2 V(31,51)

LRcL	MyRec #2	MyZONed ZD 2:4	MyINTEger BN 6:2	MyVARCHAR AN 8:10	MyVARCHAR AN 18:12	MyHEXadecimal X 30:4	MyFIXed FP 34:4	MyDECIal PD 42:4	MyCHARacter AN 46:4	MyBINT(1) BI 50.0:2	MyBIT(1) BT 50.2:6	MyBINT(2) BI 51.0:2
000004	45	242	12.34	8 ABCDEFGH	abcdef	789ABCDE	+0.10000000E+02	1234.56	abcd	3	000000	2
000005	46	242	12.34	8 ABCDEFGH	abcdefg	789ABCDE	+0	1234.56	abcd	3	000000	2

Record type: DATA_TYPES_1 V(31,51)

LRcL	MyRec #2	MyBINT(1) #4 #5	MyBIT(1) BI 2.0:2	MyBINT(2) BT 2.2:6	MyBIT(2) BT 3.2:6	MyCHARacter AN 4:4	MyDECIal PD 8:4	
000006	44	241	0	000000	0	000110	abcd	1234
000007	42	241	3	111111	3	111101	abcd	1234

000008 *** End of Data ***

New window appears showing all fields.

DRA.SDESEL_TYPES_1.T122738.CMX 255 V SEQ Size=15 Alt=0,0;1

Command>

```

|...+...1...+...2...+...3...+...4...+...5...+...6...+...
00001 |sd select from _DATA_TYPES_1 in DRA.CBLI.SDO(DIRTYPES) \
00002 | MyRec , /* Lev=02 1*INTEGER u */ \
00003 | /* #3 /* Filler */ , /* Lev=02 2*STRUCTURE */ \
00004 | MyBINT , /* Lev=03 2*BINTEGER u */ \
00005 | MyBIT , /* Lev=03 2*BIT */ \
00006 | MyCHARacter , /* Lev=02 1*CHARACTER */ \
00007 | MyDECIal , /* Lev=02 1*DECIMAL */ \
00008 | MyFIXed , /* Lev=02 1*FIXED */ \
00009 | MyFLOAT , /* Lev=02 1*FLOATHEX */ \
00010 | MyHEXadecimal , /* Lev=02 1*HEXADECIMAL */ \
00011 | MyINTEger , /* Lev=02 1*INTEGER */ \
00012 | MyVARCHAR , /* Lev=02 1*VARCHAR */ \
00013 | MyXVARCHAR , /* Lev=02 1*XVARCHAR */ \
00014 | MyZONed , /* Lev=02 1*ZONED */ \
00015 | End of SdsSel generated command.
00016 * * * End of File * * *

```

Add "Hold" keyword following any fieldname to maintain visibility

Browse CBL.DIST.CBLI.SDE.SAMP.VAR(DATYPES) using DRA.CBLI.SDO(DIRTYPES) 16384 V PDSE

Command>

000000 *** Top of Data ***

Record type: DATA_TYPES_1 V(31,51)

MyRec	MyBINT(1)	MyBIT(1)	MyBINT(2)	MyBIT(2)	MyCHARacter	MyDECimal	MyFIXed	MyFLOAT	MyHEXadecimal	MyINTEger	MyVARCHAR	MyXVARCHAR		
#2	#4 #5	#4 #5	#4 #5	#4 #5	#6	#7	#8	#9 #10	#11 #12	#11 #12	#13	#13		
BN 1:1	BI 2.0:2	BT 2.2:6	BI 3.0:2	BT 3.2:6	AN 4:4	PD 8:4	FB 12:4	FP 16:4	X 20:4	BN 24:2	AN 26:12	AN 38:10		
000001	47	241	0	000000	0	001001	abcd	1234.56	1234567.89	+0.10000000E+02	789ABCDE	8	abcdefgh	ABCDEFGH
		F					8888	0246	05C1	4A00	79BD	00	88888888	CCCCCCCC
		1					1234	135C	7BD5	1000	8ACE	08	12345678	12345678
000002	47	241	0	000000	0	001001	abcd	1234.56	1234567.89	+0.10000000E+02	789ABCDE	8	abcdefgh	ABCDEFGH
		F					8888	0246	05C1	4A00	79BD	00	88888888	CCCCCCCC
		1					1234	135C	7BD5	1000	8ACE	08	12345678	12345678
000003	48	241	3	111111	3	111111	abcd	-1234.56	-1234567.89	+0.10000000E+01	F1234567	8	abcdefghi	ABCDEFGH
		F					8888	0246	FA3E	4100	F246	00	88888888	CCCCCCCC
		1					1234	135D	842B	1000	1357	08	123456789	12345678

Record type: DATA_TYPES_2 V(31,51)

MyRec	MyZONed	MyINTEger	MyXVARCHAR	MyVARCHAR	MyHEXadecimal	MyFLOAT	MyFIXed	MyDECimal	MyCHARacter	MyBINT(1)	MyBIT(1)	MyBINT(2)		
#2	#3	#4 #5	#5	#6	#7	#8	#9	#10 #11	#11	#13 #14	#13	#13		
BN 1:1	ZD 2:4	BN 6:2	AN 8:10	AN 18:12	X 30:4	FP 34:4	FB 38:4	PD 42:4	AN 46:4	BI 50.0:2	BT 50.2:6	BI 51.0:2		
000004	45	242	12.34	8	ABCDEFGHI	abcdef	789ABCDE	+0.10000000E+02	1234567.89	1234.56	abcd	3	000000	2
		F					888	79BD	4A00	05C1	0246	8888		
		2					456	8ACE						
000005	46	242					defg	789ABCDE	+0					
		F					3888	79BD						
		2					4567	8ACE						

Record type: DATA_TYPES_3 V(31,51)

MyRec	MyBINT(1)	MyBIT(1)	MyBINT(2)	MyBIT(2)	MyCHARacter	MyDECimal						
#2	#4 #5	#4 #5	#4 #5	#6	#6	#7						
BN 1:1	BI 2.0:2	BT 2.2:6	BI 3.0:2	BT 3.2:6	AN 4:4	PD 8:4						
000006	44	241	0	000000	0	000110	abcd	1234				
		F					8888	0				
		1					1234	1				
000007	42	241	3	111111	3	111101	abcd	1234				
		F					8888	0				
		1					1234	1				

000008 *** End of Data ***

Move/delete lines to change order.

DRA.SDESEL._TYPES_1.T122738.CMX 255 V SEQ Size=15 Alt=0,0;1

Command>

|...+...1...+...2...+...3...+...4...+...5...+...6...+...

00001 <sd select from _DATA_TYPES_1 in DRA.CBLI.SDO(DIRTYPES) \

00002 MyRec , /* Lev=02 1*INTEGER u /* \

00003 /* #3 /* Filler */ , /* Lev=02 2*STRUCTURE /* \

00004 MyBINT , /* Lev=03 2*BIT u /* \

00005 MyBIT , /* Lev=03 2*BIT /* \

00006 MyCHARacter , /* Lev=02 1*CHARACTER /* \

00007 MyDECimal , /* Lev=02 1*DECIMAL /* \

00008 MyFIXed , /* Lev=02 1*FIXED /* \

00009 MyFLOAT , /* Lev=02 1*FLOATHEX /* \

00010 MyHEXadecimal , /* Lev=02 1*HEXADECIMAL /* \

00011 MyINTEger , /* Lev=02 1*INTEGER /* \

00012 MyVARCHAR , /* Lev=02 1*VARCHAR /* \

00013 MyXVARCHAR , /* Lev=02 1*XVARCHAR /* \

00014 MyZONed , /* Lev=02 1*ZONED /* \

00015 | End of SdsSel generated command.

00016 * * * End of File * * *

Add "Hold" keyword following any fieldname to maintain visibility

Browse CBL.DIST.CBLI.SDE.SAMP.VAR(DATYPES) using DRA.CBLI.SDO(DIRTYPES) 16384 V PDSE

Command>

000000 *** Top of Data ***

Record type: DATA_TYPES_1 V(31,51)

MyRec	MyBINT(1)	MyBIT(1)	MyBINT(2)	MyBIT(2)	MyCHARacter	MyDECimal	MyFIXed	MyFLOAT	MyHEXadecimal	MyINTEger	MyVARCHAR	MyXVARCHAR
#2	#4 #5	#4 #5	#4 #5	#4 #5	#6	#7	#8	#9 #10	#11 #12	#13	#13	#13
BN 1:1	BI 2.0:2 BT 2.2:6	BI 3.0:2 BT 3.2:6	AN 4:4	PD 8:4	FB 12:4	FP 16:4	X 20:4	BN 24:2	AN 26:12	AN 38:10		
000001	47	241	0 000000	0 001001	abcd	1234.56	1234567.89	+0.10000000E+02	789ABCDE	8	abcdefgh	ABCDEFGH
		F			8888	0246	05C1	4A00 79BD	00 88888888	00	88888888	CCCCCCCC
		1			1234	135C	7BD5	1000 8ACE	08 12345678	08	12345678	12345678

Execute to change record view.

Record type: DATA_TYPES_2 V(31,51)

MyRec	MyZONEd	MyINTEger	MyFLOAT	MyFIXed	MyDECimal	MyCHARacter	MyBINT(1)	MyBIT(1)	MyBINT(2)			
#2	#3	#4	#8	#9	#10	#11	#13 #14	#13	#13			
BN 1:1	ZD 2:4	BN 6:	FP 34:4	FB 38:4	PD 42:4	AN 46:4	BI 50.0:2 BT 50.2:6	BI 51.0:2				
000004	45	242	12.34	8 ABCDEFGH	abcdef	789	+0.10000000E+02	1234.56	abcd	3	000000	2
		F	FFFF	00 CCCCCCCC	888888	79BD	4A00	05C1	0246 8888			
		2	1234	08 12345678	123456	8ACE						

Fields Moved to end of record view.

```

DRA.SDESEL._TYPES_1.T122738.CMX 255 V SEQ Size=15 Alt=1,1;2
Command>
...+...1...+...2...+...3...+...4...+...5...+...6...+...
00001 <sd select from _DATA_TYPES_1 in DRA.CBLI.SDO(DIRTYPES) \
00002 MyRec , /* Lev=02 1*INTEGER u /* \
00003 /* #3 /* Filler /* , /* /* Lev=02 2*STRUCTURE /* \
00004 MyBINT , /* Lev=03 2*BINTEGER u /* \
00005 MyBIT , /* Lev=03 2*BIT /* \
00006 MyHEXadecimal , /* Lev=02 1*HEXADECIMAL /* \
00007 MyINTEger , /* Lev=02 1*INTEGER /* \
00008 MyVARCHAR , /* Lev=02 1*VARCHAR /* \
00009 MyXVARCHAR , /* Lev=02 1*XVARCHAR /* \
00010 MyZONEd , /* Lev=02 1*ZONED /* \
00011 MyCHARacter , /* Lev=02 1*CHARACTER /* \
00012 MyDECimal , /* Lev=02 1*DECIMAL /* \
00013 MyFIXed , /* Lev=02 1*FIXED /* \
00014 MyFLOAT , /* Lev=02 1*FLOATHEX /* \
00015 | End of SdeSel generated command.
00016 * * * End of File * * *

```

Add "Hold" keyword following any fieldname to maintain visibility

Browse CBL.DIST.CBLI.SDE.SAMP.VAR(DATTYPES) using DRA.CBLI.SDO(DIRTYPES) 16384 V PDSE

Command> Scroll> Csr

```

000000 *** Top of Data ***
Record type: DATA_TYPES_1 V(31,51)
  LRecl MyRec MyBINT(1) MyBINT(2) MyBIT(1) MyBIT(2) MyHEXadecimal MyINteger MyVArCHAR MyXVArCHAR MyZONed MyCHARacter MyDECimal MyFIXed
    #2 #4 #4 #5 #5 #10 #11 #12 #13 #14 #6 #7 #8
  BN 1:1 BI 2.0:2 BI 3.0:2 BT 2.2:6 BT 3.2:6 % 20:4 BN 24:2 AN 26:12 AN 38:10 ZD 48:4 AN 4:4 PD 8:4 FB 12:4
  <-> - <----> <----> <----> <----> <----> <----> <----> <----> <----> <----> <----> <---->
000001 47 241 0 0 000000 001001 789ABCDE 8 abcdefgh ABCDEFGH 12.34 abcd 1234.56 1234567.89
  F 88888888 00 88888888 CCCCCCCC 5555 3333 0246 05C1
  8ACE 00 12345678 12345678 1234 1234 135C 7BD5

```

Fields #6,#7,#8 now at end of record.

Execute new changes.

Now delete 2 fields from list.

```

000002 47 241 0 0 000000 001001 789ABCDE 8 abcdefgh ABCDEFGH 12.34 abcd 1234.56 1234567.89
  F 88888888 00 88888888 CCCCCCCC FFFF 8888 0246 05C1
  8ACE 08 12345678 12345678 1234 1234 135C 7BD5
000003 47 241 0 0 000000 001001 789ABCDE 8 abcdefgh ABCDEFGH 12.34 abcd 1234.56 1234567.89
  F 88888888 00 88888888 CCCCCCCC 5555 3333 0246 05C1
  8ACE 08 12345678 12345678 1234 1234 135C 7BD5

```

```

Record type: DATA_TYPES_2 V(31,51)
  LRecl MyRec MyZONed MyINteger MyVArCHAR MyVArCHAR MyHEXadecimal MyFLOAT MyFIXed MyBIT(1) MyBINT(2)
    #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #12 #13 #14 #13
  BN 1:1 ZD 2:4 BN 6:2 AN 8:10 AN 18:12 X 30:4 FP 34:4 FB 38:4 0:2 BT 50.2:6 BI 51.0:2
  <-> <----> <----> <----> <----> <----> <----> <----> <----> <----> <----> <----> <---->
000004 45 242 12.34 8 abcdefgh abcdef 789ABCDE +0.10000000E+02 1234567.89 12345678 9 abcd 3 000000 2
  F 888888 79BD 23456 8ACE 4A00 05C1 0246 8888
  2

```

```

000005 46 242 12.34 8 abcdefg 789ABCDE +0.10000000E+02 1234567.89 12345678 9 abcd 3 000000 2
  F 8888 79BD 23456 8ACE 4A00 05C1 0246 8888
  2

```

```

Record type: DATA_TYPES_1 V(31,51)
  LRecl MyRec MyBINT(1) MyBINT(2) MyBIT(1) MyBIT(2) MyHEXadecimal MyINteger MyVArCHAR MyXVArCHAR MyZONed MyCHARacter MyDECimal MyFIXed
    #2 #4 #4 #5 #5 #10 #11 #12 #13 #14 #6 #7 #8
  BN 1:1 BI 2.0:2 BI 3.0:2 BT 2.2:6 BT 3.2:6 % 20:4 BN 24:2 AN 26:12 AN 38:10 ZD 48:4 AN 4:4 PD 8:4 FB 12:4
  <-> - <----> <----> <----> <----> <----> <----> <----> <----> <----> <----> <----> <---->
000006 44 241 0 0 000000 000110 12345678 8 abcdefgh ABCDEFGH 12.34 abcd 1234.56 1234567.89
  F 888888 00 888888 CCCCCCCC 5555 3333 0246 05C1
  8ACE 00 12345678 12345678 1234 1234 1357 2468
000007 42 241 3 3 111111 111101 12345678 8 abcdefgh ABCDEFGH 12.34 abcd 1234.56 1234567.89
  F 888888 00 888888 CCCCCCCC 5555 3333 0246 05C1
  8ACE 00 12345678 12345678 1234 1234 1357 2468
000008 *** End of Data ***

```

```

DRA.SDESEL._TYPES_1 22738.CMX 255 V SEQ Size=15 Alt=1,1;2
Command>
00001 |...+...1...+...2...+...3...+...4...+...5...+...6...+...
00002 MyRec /* Lev=02 1*INTEGER u /*
00003 /* #3 /* Filler /* /* /* Lev=02 2*STRUCTURE /*
00004 MyBINT /* Lev=03 2*BINTEGER u /*
00005 MyBIT /* Lev=03 2*BIT /*
00006 MyHEXadecimal /* Lev=02 1*HEXADECIMAL /*
00007 MyINteger /* Lev=02 1*INTEGER /*
00008 MyVArCHAR /* Lev=02 1*VArCHAR /*
00009 MyXVArCHAR /* Lev=02 1*XVArCHAR /*
00010 MyZONed /* Lev=02 1*ZONed /*
00011 MyCHARacter /* Lev=02 1*CHARACTER /*
00012 MyDECimal /* Lev=02 1*DECIMAL /*
00013 MyFIXed /* Lev=02 1*FIXED /*
00014 MyFLOAT /* Lev=02 1*FLOATHEX /*
00015 | End of SdsSel generated command.
00016 * * * End of File * * *

```

Add "Hold" keyword following any fieldname to maintain visibility

Browse CBL.DIST.CBLI.SDE.SAMP.VAR(DATYPES) using DRA.CBLI.SDO(DIRTYPES) 16384 V PDSE Scroll> Csr

Command>

000000 *** Top of Data ***

Record type: DATA_TYPES_1 V(31,51)

LRcL	MyRec	MyBINT(1)	MyBINT(2)	MyBIT(1)	MyBIT(2)	MyVARCHAR	MyXVARCHAR	MyZONed	MyCHARacter	MyDECimal	MyFIXed	MyFLOAT	
#2	#4	#4	#5	#5	#5	#12	#13	#14	#6	#7	#8	#9	
BN 1:1	BI 2.0:2	BI 3.0:2	BT 2.2:6	BT 3.2:6	AN 26:12	AN 38:10	ZD 48:4	AN 4:4	PD 8:4	FB 12:4	FP 16:4		
000001	47	241	0	0	000000	001001	abcdefgh	ABCDEFGH	12.34	abcd	1234.56	1234567.89	+0.10000000E+02
	F						88888888	CCCCCCCC	FFFF	8888	0246	05C1	4A00
	1						12345678	12345678	1234	1234	135C	7BD5	1000
000002	47	241	0	0	000000	001001	abcdefgh	ABCDEFGH	12.34	abcd	1234.56	1234567.89	+0.10000000E+02
	F						88888888	CCCCCCCC	FFFF	8888	0246	05C1	4A00
	1						12345678	12345678	1234	1234	135C	7BD5	1000
000003	48	241	3	8	111111	11	abcdefghi	CDCDEFGH	12.34	abcd	-1234.56	-1234567.89	+0.10000000E+01
	F						88888888	CCCCCCCC	FFFE	8888	0246	FA3E	4100
	1						123456789	12345678	1234	1234	135D	842B	1000

Fields #10 and #11 no longer visible.

Record type: DATA_TYPES_2 V(31,51)

LRcL	MyRec	MyZONed	MyINTEger	MyXVARC	MyCHAR	MyHEXadecimal	MyFLOAT	MyFIXed	MyDECimal	MyCHARacter	MyBINT(1)	MyBIT(1)	MyBINT(2)
#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15
BN 1:1	ZD 2:4	BN 6:2	AN 8:1	AN 18:12	X 30:4	FP 34:4	FB 38:4	PD 42:4	AN 46:4	BI 50.0:2	BT 50.2:6	BI 51.0:2	
000004	45	242	12.34	8	ABCD	def	789ABCDE	+0.10000000E+02	1234567.89	1234.56	abcd	3	000000
	F		FFFF	00	CCC	8888	79BD	4A00	05C1	0246	8888		
							8ACE						
000005	46						789ABCDE	+0					
							79BD						
							8ACE						

Record type: DATA_TYPES_1 V(31,51)

LRcL	MyRec	MyBINT(1)	MyBINT(2)	MyBIT(1)	MyBIT(2)	MyVARCHAR	MyXVARC
#2	#4	#4	#5	#5	#5	#12	#13
BN 1:1	BI 2.0:2	BI 3.0:2	BT 2.2:6	BT 3.2:6	AN 26:12	AN 38:10	ZD 48:4
000006	44						
	F						
	1						
000007	42					abc	ABCDEF
	F					888	CCCCCC
	1					123	1234567
000008	*						

You can use std editor undo/redo to bring back original fields and execute again.

DRA.SDESEL._TYPES_1.T122738.CMX 255 V SEQ Size=13 Alt=3,3;4 Scroll> Csr

Command>

000001	<sd select from _DATA_TYPES_1 in DRA.CBLI.SDO(DIRTYPES) \												
000002	MyRec												
000003	/* #3	/* Filler */											
000004	MyBINT												
000005	MyBIT												
000006	MyVARCHAR												
000007	MyXVARCHAR												
000008	MyZONed												
000009	MyCHARacter												
000010	MyDECimal												
000011	MyFIXed												
000012	MyFLOAT												
000013	End of SdeSel generated command.												
000014	*** End of File ***												

Add "Hold" keyword following any fieldname to maintain visibility

Structured Data Edit (KSDS)

- Full Edit/Browse any KSDS data set.
- Full Edit/Browse any Sequential data set.
- Navigate using full key or partial key.
- Edit/Browse KSDS by specifying key and number of records.
- Search and change strings
- Undo/Redo.

Input KSDS File name

SDE - Structured Data Browser
 Run(PF4) Generate CLI(PF2) Help
 Browse/Edit using Structure Definition (Copybook layout)
 Press PF4 for immed exec, PF2 to generate command or PF3 to exit this dialog.
 INPUT Fileid: lac.cbli.mbrlist.source.ksds
 or
 DSN: _____
 Member: _____

Browse Edit Allow Ins/Del Upd-In-Place Read-Only

V Enter "/" to activate each of the options below. Record Key RBA

FROM: SDEFGET0

FOR: _____ # records (Note: Must have storage for this many records)

Specify optional structure (Copybook) overlay ...

USING (Structure: lac.cbli.sda(Mbrlist))

or

USING Copybook: _____

Default Record-Type: _____ (If no LEV-01 entry)

Press PF5 to generate SDO from Copybook

Window Rows: _____

SDE Input Panel

EQ Size=802 Alt=0,0;1

Scroll> Csr

.2....+....3....+....4....+....5....+....6....+....7....
) 'mnote'

etpt 68 100; .Cal

Start Key

Structure or Copybook Overlay

```

000054 <e cbl:cmx...
000055 <e
000056 <l
000057 <l
000058 <l
000059 <l
000060 <ld sys1; where ORG=PO and (RECFM='V' or RECFM='VB')
000061 <ll #user.edit.UserMacros%; where User = #user% & LastMod => %date%
000062 <eini | Edit user ini file.
000063 <lvx cbl:**
000064 | Calendar Prep
000065 <lvol z6*
000066 <ll adcd.lib.jcl | list adcd sample jcl's.
000067 <e dra.lib.jcl(cblstr) | list all JCL files.
000068 <ld #user%.** | List files with my userid.
000069 | My Commend Centre.
000070 |-----
000071 | PF4 to execute commands.
000072
000073 .cal ** Calendar ** .cal
000074 | Yearly Calendar Display.
000075 <ispf; sc rd wd \
000076 ;calyear 2009 | 2009 Cal.
000077 <calyear 2010 | 2010 Cal.
000078 <calyear 2011 | 2011 Cal.
  
```

Edit(UP) JGE.CBLI.MBRLIST.SOURCE.KSDS using LAC.CBLI.SDO(MBRLIST) 512 V KSDS 1 15
Command> Scroll> Csr

Press PF4 for Utilities menu including point/shoot options

Record type: CompUnit F(39) Offset=0

Member	Ver	RecNo	RecLen	Language	RecTypeX	RecTypeN	ALevel	ADAFIag	FLevel	DataLen	CUInd	CURecCount	
#3	#4	#5	#6	#7	#9	#10	#11	#12	#13	#15	#16	#18	
AN 1:8	ZD 9:3	BN 12:4	BN 16:4	BN 20:1	X 21:2	BN 21:2	BN 23:1	X 24:1	X 25:1	BN 30:2	X 32:2	BN 36:4	
<---+-->	<->	<-----1>	<-----1>	<--->	<-->	<---+>	<-->	<>	<>	<---+>	<-->	<-----1>	
000001	SDEFGET0	150	1	39	HLAsm	0002	2	3	00	00	8	0000	0

Record Key

Record type: Source V(155,251) Offset=0

Member	Ver	RecNo	RecLen	Language	RecTypeX	RecTypeN	ALevel	ADAFIag	FLevel	DataLen	SRCESD	SRCStmt	SRCInRec	SRCParRec
#3	#4	#5	#6	#7	#9	#10	#11	#12	#13	#15	#16	#17	#18	#19
AN 1:8	ZD 9:3	BN 12:4	BN 16:4	BN 20:1	X 21:2	BN 21:2	BN 23:1	X 24:1	X 25:1	BN 30:2	BN 32:4	BN 36:4	BN 40:4	BN 44:4
<---+-->	<->	<-----1>	<-----1>	<--->	<-->	<---+>	<-->	<>	<>	<---+>	<-----1>	<-----1>	<-----1>	<-----1>
000002	SDEFGET0	150	48	HLAsm	0030	0030	48	3	00	01	212	0	1	0
000003	SDEFGET0	150	48	HLAsm	0030	0030	48	3	00	01	212	0	2	0
000004	SDEFGET0	150	243	HLAsm	0030	0030	48	3	00	01	212	0	3	0
000005	SDEFGET0	150	243	HLAsm	0030	0030	48	3	00	01	212	0	4	0
000006	SDEFGET0	150	243	HLAsm	0030	0030	48	3	00	01	212	1	1927	252
000007	SDEFGET0	150	243	HLAsm	0030	0030	48	3	00	01	212	1	6	0
000008	SDEFGET0	150	243	HLAsm	0030	0030	48	3	00	01	212	1	7	0
000009	SDEFGET0	150	243	HLAsm	0030	0030	48	3	00	01	212	1	8	0
000010	SDEFGET0	150	243	HLAsm	0030	0030	48	3	00	01	212	1	9	0
000011	SDEFGET0	150	243	HLAsm	0030	0030	48	3	00	01	212	1	1927	252
000012	SDEFGET0	150	243	HLAsm	0030	0030	48	3	00	01	212	1	11	0
000013	SDEFGET0	150	243	HLAsm	0030	0030	48	3	00	01	212	1	12	0
000014	SDEFGET0	150	243	HLAsm	0030	0030	48	3	00	01	212	1	13	0
000015	SDEFGET0	150	243	HLAsm	0030	0030	48	3	00	01	212	1	15	0
000016	SDEFGET0	150	243	HLAsm	0030	0030	48	3	00	01	212	1	16	0
000017	SDEFGET0	150	243	HLAsm	0030	0030	48	3	00	01	212	1	18	0
000018	SDEFGET0	150	243	HLAsm	0030	0030	48	3	00	01	212	1	19	0
000019	SDEFGET0	150	243	HLAsm	0030	0030	48	3	00	01	212	1	20	0
000020	SDEFGET0	150	243	HLAsm	0030	0030	48	3	00	01	212	1	22	0
000021	SDEFGET0	150	243	HLAsm	0030	0030	48	3	00	01	212	1	23	0
000022	SDEFGET0	150	243	HLAsm	0030	0030	48	3	00	01	212	1	24	0
000023	SDEFGET0	150	243	HLAsm	0030	0030	48	3	00	01	212	1	27	0
000024	SDEFGET0	150	243	HLAsm	0030	0030	48	3	00	01	212	1	28	0
000025	SDEFGET0	150	243	HLAsm	0030	0030	48	3	00	01	212	1	31	0
000026	SDEFGET0	150	243	HLAsm	0030	0030	48	3	00	01	212	1	34	0
000027	SDEFGET0	150	243	HLAsm	0030	0030	48	3	00	01	212	1	36	0
000028	SDEFGET0	150	243	HLAsm	0030	0030	48	3	00	01	220	1	37	36
000029	SDEFGET0	150	243	HLAsm	0030	0030	48	3	00	01	220	1	39	65
000030	SDEFGET0	150	243	HLAsm	0030	0030	48	3	00	01	220	1	40	65
000031	SDEFGET0	150	243	HLAsm	0030	0030	48	3	00	01	220	1	41	65
000032	SDEFGET0	150	243	HLAsm	0030	0030	48	3	00	01	220	1	42	65
000033	SDEFGET0	150	243	HLAsm	0030	0030	48	3	00	01	220	1	43	65
000034	SDEFGET0	150	243	HLAsm	0030	0030	48	3	00	01	220	1	44	65
000035	SDEFGET0	150	243	HLAsm	0030	0030	48	3	00	01	220	1	45	65
000036	SDEFGET0	150	243	HLAsm	0030	0030	48	3	00	01	220	1	46	65
000037	SDEFGET0	150	243	HLAsm	0030	0030	48	3	00	01	220	1	47	65
000038	SDEFGET0	150	243	HLAsm	0030	0030	48	3	00	01	220	1	48	65
000039	SDEFGET0	150	243	HLAsm	0030	0030	48	3	00	01	220	1	49	65
000040	SDEFGET0	150	243	HLAsm	0030	0030	48	3	00	01	220	1	50	65
000041	SDEFGET0	150	243	HLAsm	0030	0030	48	3	00	01	220	1	51	65

Information Bar

```

command>
000000 *** Top of Data ***
record type: CompUnit F(39) Offset=0
Member Ver RecNo RecLen Language RecTypeX RecTypeN ALevel ADAFlag FLevel DataLen CUInd CURecCount
#3 #4 #5 #6 #7 #9 #10 #11 #12 #13 #15 #16
AN 1:8 ZD 9:3 BN 12:4 BN 16:4 BN 20:1 X 21:2 BN 21:2 BN 23:1 X 24:1 X 25:1 BN 30:2 X 32:2 BN 36:4
<---+---> <-> <---+---1> <---+---1> <---> <--> <---+> <---+>
000001 SDEFGET0 150 1 39 HLAsm 0002
record type: Source V(155,251) Offset=0
Member Ver RecNo RecLen Language RecTypeX RecTypeN ALevel ADAFlag FLevel DataLen CUInd CURecCount
#3 #4 #5 #6 #7 #9 #10 #11 #12 #13 #15 #16
AN 1:8 ZD 9:3 BN 12:4 BN 16:4 BN 20:1 X 21:2 BN 21:2 BN 23:1 X 24:1 X 25:1 BN 30:2 X 32:2 BN 36:4
<---+---> <-> <---+---1> <---+---1> <---> <--> <---+> <---+>
000002 SDEFGET0 150 15 243 HLAsm 0030 48 3 00 01 212 1 1927 3
000003 SDEFGET0 150 16 243 HLAsm 0030 48 3 00 01 212 0 4 4
000004 SDEFGET0 150 17 243 HLAsm 0030 48 3 00 01 212 1 5 5
000005 SDEFGET0 150 18 243 HLAsm 0030 48 3 00 01 212 1 7 7
000006 SDEFGET0 150 19 243 HLAsm 0030 48 3 00 01 212 1 8 8
000007 SDEFGET0 150 20 243 HLAsm 0030 48 3 00 01 212 1 9 9
000008 SDEFGET0 150 21 243 HLAsm 0030 48 3 00 01 212 1 10 10
000009 SDEFGET0 150 22 243 HLAsm 0030 48 3 00 01 212 1 11 11
000010 SDEFGET0 150 23 243 HLAsm 0030 48 3 00 01 212 1 12 12
000011 SDEFGET0 150 24 243 HLAsm 0030 48 3 00 01 212 1 13 13
000012 SDEFGET0 150 25 243 HLAsm 0030 48 3 00 01 212 1 14 14
000013 SDEFGET0 150 26 243 HLAsm 0030 48 3 00 01 212 1 15 15
000014 SDEFGET0 150 27 243 HLAsm 0030 48 3 00 01 212 1 16 16
000015 SDEFGET0 150 29 243 HLAsm 0030 48 3 00 01 212 1 17 17
000016 SDEFGET0 150 30 243 HLAsm 0030 48 3 00 01 212 1 18 18
000017 SDEFGET0 150 32 243 HLAsm 0030 48 3 00 01 212 1 19 19
000018 SDEFGET0 150 33 243 HLAsm 0030 48 3 00 01 212 1 20 20
000019 SDEFGET0 150 34 243 HLAsm 0030 48 3 00 01 212 1 21 21
000020 SDEFGET0 150 36 243 HLAsm 0030 48 3 00 01 212 1 22 22
000021 SDEFGET0 150 37 243 HLAsm 0030 48 3 00 01 212 1 23 23
000022 SDEFGET0 150 38 243 HLAsm 0030 48 3 00 01 212 1 24 24
000023 SDEFGET0 150 41 243 HLAsm 0030 48 3 00 01 212 1 27 27
000024 SDEFGET0 150 42 243 HLAsm 0030 48 3 00 01 212 1 28 28
000025 SDEFGET0 150 45 243 HLAsm 0030 48 3 00 01 212 1 31 31
000026 SDEFGET0 150 48 243 HLAsm 0030 48 3 00 01 212 1 34 34
000027 SDEFGET0 150 50 243 HLAsm 0030 48 3 00 01 212 1 37 37
000028 SDEFGET0 150 51 999 HLAsm 0030 48 3 00 01 212 1 40 40
000029 SDEFGET0 150 52 999 HLAsm 0030 48 3 00 01 212 1 43 43
000030 SDEFGET0 150 53 999 HLAsm 0030 48 3 00 01 212 1 46 46
000031 SDEFGET0 150 54 999 HLAsm 0030 48 3 00 01 212 1 49 49
000032 SDEFGET0 150 55 999 HLAsm 0030 48 3 00 01 212 1 52 52
000033 SDEFGET0 150 56 999 HLAsm 0030 48 3 00 01 212 1 55 55
000034 SDEFGET0 150 57 999 HLAsm 0030 48 3 00 01 212 1 58 58
000035 SDEFGET0 150 58 999 HLAsm 0030 48 3 00 01 212 1 61 61
000036 SDEFGET0 150 59 999 HLAsm 0030 48 3 00 01 212 1 64 64
000037 SDEFGET0 150 60 999 HLAsm 0030 48 3 00 01 212 1 67 67
000038 SDEFGET0 150 61 999 HLAsm 0030 48 3 00 01 212 1 70 70
000039 SDEFGET0 150 62 999 HLAsm 0030 48 3 00 01 220 1 49 35
000040 SDEFGET0 150 63 999 HLAsm 0030 48 3 00 01 220 1 50 36
000041 SDEFGET0 150 64 999 HLAsm 0030 48 3 00 01 220 1 51 37
    
```

Multiple Records types displayed concurrently.

OR
SELECT Record types you want to see.

OR
SELECT Columns you want to see and the ORDER they are viewed.

Edit(UP) JGE.CBLI.MBRLIST.SOURCE.KSDS using LAC.CBLI.SDO(MBRLIST) 512 V KSDS 1 15

Command> :SDEFHEX0

000000 *** Top of Data ***

Record type: CompUnit F(39) Offset=0
 Member Ver RecNo RecLen Language RecTypeX RecTypeN
 #3 #4 #5 #6 #7 #9 #10 #11
 AN 1:8 ZD 9:3 BN 12:4 BN 16:4 BN 20:1 X 21:2 BN 21:2 BN 23:1
 <----> <-> <-----1> <-----1> <---> <--> <---> <-->
 000001 SDEFGET0 150 1 39 HLAsm 0002 2 3

Specify :SDEFHEX0 as New key

Record type: Source V(155,251) Offset=0

Member	Ver	RecNo	RecLen	Language	RecTypeX	RecTypeN	ALevel	ADAFIag	FLevel	DataLen	SRCESD	SRCStmt	SRCInRec	SRCParRec
#3	#4	#5	#6	#7	#9	#10	#11	#12	#13	#15	#16	#17	#18	#19
AN 1:8	ZD 9:3	BN 12:4	BN 16:4	BN 20:1	X 21:2	BN 21:2	BN 23:1	X 24:1	X 25:1	BN 30:2	BN 32:4	BN 36:4	BN 40:4	BN 44:4
<---->	<->	<-----1>	<-----1>	<--->	<-->	<--->	<-->	<-->	<-->	<--->	<-----1>	<-----1>	<-----1>	<-----1>
000002	SDEFGET0	150	15	243	HLAsm	0030	48	3	00	01	212	0	1	0
000003	SDEFGET0	150	16	243	HLAsm	0030	48	3	00	01	212	0	2	0
000004	SDEFGET0	150	17	243	HLAsm	0030	48	3	00	01	212	0	3	0
000005	SDEFGET0	150	18	243	HLAsm	0030	48	3	00	01	212	0	4	0
000006	SDEFGET0	150	19	243	HLAsm	0030	48	3	00	01	212	1	1927	252
000007	SDEFGET0	150	20	243	HLAsm	0030	48	3	00	01	212	1	6	0
000008	SDEFGET0	150	21	243	HLAsm	0030	48	3	00	01	212	1	7	0
000009	SDEFGET0	150	22	243	HLAsm	0030	48	3	00	01	212	1	8	0
000010	SDEFGET0	150	23	243	HLAsm	0030	48	3	00	01	212	1	9	0
000011	SDEFGET0	150	24	243	HLAsm	0030	48	3	00	01	212	1	1927	252
000012	SDEFGET0	150	25	243	HLAsm	0030	48	3	00	01	212	1	11	0
000013	SDEFGET0	150	26	243	HLAsm	0030	48	3	00	01	212	1	12	0
000014	SDEFGET0	150	27	243	HLAsm	0030	48	3	00	01	212	1	13	0
000015	SDEFGET0	150	29	243	HLAsm	0030	48	3	00	01	212	1	15	0
000016	SDEFGET0	150	30	243	HLAsm	0030	48	3	00	01	212	1	16	0
000017	SDEFGET0	150	32	243	HLAsm	0030	48	3	00	01	212	1	18	0
000018	SDEFGET0	150	33	243	HLAsm	0030	48	3	00	01	212	1	19	0
000019	SDEFGET0	150	34	243	HLAsm	0030	48	3	00	01	212	1	20	0
000020	SDEFGET0	150	36	243	HLAsm	0030	48	3	00	01	212	1	22	0
000021	SDEFGET0	150	37	243	HLAsm	0030	48	3	00	01	212	1	23	0
000022	SDEFGET0	150	38	243	HLAsm	0030	48	3	00	01	212	1	24	0
000023	SDEFGET0	150	41	243	HLAsm	0030	48	3	00	01	212	1	27	0
000024	SDEFGET0	150	42	243	HLAsm	0030	48	3	00	01	212	1	28	0
000025	SDEFGET0	150	45	243	HLAsm	0030	48	3	00	01	212	1	31	0
000026	SDEFGET0	150	48	243	HLAsm	0030	48	3	00	01	212	1	34	0
000027	SDEFGET0	150	50	243	HLAsm	0030	48	3	00	01	212	1	36	0
000028	SDEFGET0	150	54	999	HLAsm	0030	48	3	00	01	220	1	65	36
000029	SDEFGET0	150	52	999	HLAsm	0030	48	3	00	01	220	1	39	24
000030	SDEFGET0	150	53	999	HLAsm	0030	48	3	00	01	220	1	40	26
000031	SDEFGET0	150	54	999	HLAsm	0030	48	3	00	01	220	1	41	27
000032	SDEFGET0	150	55	999	HLAsm	0030	48	3	00	01	220	1	42	28
000033	SDEFGET0	150	56	999	HLAsm	0030	48	3	00	01	220	1	43	29
000034	SDEFGET0	150	57	999	HLAsm	0030	48	3	00	01	220	1	44	30
000035	SDEFGET0	150	58	999	HLAsm	0030	48	3	00	01	220	1	45	31
000036	SDEFGET0	150	59	999	HLAsm	0030	48	3	00	01	220	1	46	32
000037	SDEFGET0	150	60	999	HLAsm	0030	48	3	00	01	220	1	47	33
000038	SDEFGET0	150	61	999	HLAsm	0030	48	3	00	01	220	1	48	34
000039	SDEFGET0	150	62	999	HLAsm	0030	48	3	00	01	220	1	49	35
000040	SDEFGET0	150	63	999	HLAsm	0030	48	3	00	01	220	1	50	36
000041	SDEFGET0	150	64	999	HLAsm	0030	48	3	00	01	220	1	51	37

Edit(UP) JGE.CBLI.MBRLIST.SOURCE.KSDS using LAC.CBLI.SDO(MBRLIST) 512 V KSDS 1 15

Command> Scroll> Csr

Record type: CompUnit F(39) Offset=0

Member	Ver	RecNo	RecLen	Language	RecTypeX	RecTypeN	ALevel	ADAF	Flag	FLevel	DataLen	CUInd	CURecCount			
#3	#4	#5	#6	#7	#9	#10	#11	#12	#13	#15	#16		#18			
AN 1:8	ZD 9:3	BN 12:4	BN 16:4	BN 20:1	X 21:2	BN 21:2	BN 23:1	X	24:1	X	25:1	BN 30:2	BN 32:4	BN 35:4	BN 40:4	BN 44:4
<---+-->	<->	<---+---1>	<---+---1>	<---+>	<-->	<---+>	<---+>	<->	<->	<---+>	<---+---1>	<---+---1>	<---+---1>	<---+---1>	<---+---1>	<---+---1>

Located New key.

Record type: Source V(155,251) Offset=0

Member	Ver	RecNo	RecLen	Language	RecTypeX	RecTypeN	ALevel	ADAF	Flag	FLevel	DataLen	CUInd	CURecCount	nRec	SRCParRec	
#3	#4	#5	#6	#7	#9	#10	#11	#12	#13	#15	#16		#18	#19		
AN 1:8	ZD 9:3	BN 12:4	BN 16:4	BN 20:1	X 21:2	BN 21:2	BN 23:1	X	24:1	X	25:1	BN 30:2	BN 32:4	BN 35:4	BN 40:4	BN 44:4
<---+-->	<->	<---+---1>	<---+---1>	<---+>	<-->	<---+>	<---+>	<->	<->	<---+>	<---+---1>	<---+---1>	<---+---1>	<---+---1>	<---+---1>	<---+---1>
002539	SDFPFEX0	150	20	243	HLAsm	0030	48	3	00	01	212	0	1	1	0	
002540	SDFPFEX0	150	21	243	HLAsm	0030	48	3	00	01	212	0	2	2	0	
002541	SDFPFEX0	150	22	243	HLAsm	0030	48	3	00	01	212	0	3	3	0	
002542	SDFPFEX0	150	23	243	HLAsm	0030	48	3	00	01	212	0	4	4	0	
002543	SDFPFEX0	150	24	243	HLAsm	0030	48	3	00	01	212	1	5	5	0	
002544	SDFPFEX0	150	25	243	HLAsm	0030	48	3	00	01	212	1	6	6	0	
002545	SDFPFEX0	150	26	243	HLAsm	0030	48	3	00	01	212	1	7	7	0	
002546	SDFPFEX0	150	27	243	HLAsm	0030	48	3	00	01	212	1	8	8	0	
002547	SDFPFEX0	150	28	243	HLAsm	0030	48	3	00	01	212	1	9	9	0	
002548	SDFPFEX0	150	30	243	HLAsm	0030	48	3	00	01	212	1	11	11	0	
002549	SDFPFEX0	150	31	243	HLAsm	0030	48	3	00	01	212	1	12	12	0	
002550	SDFPFEX0	150	32	243	HLAsm	0030	48	3	00	01	212	1	13	13	0	
002551	SDFPFEX0	150	34	243	HLAsm	0030	48	3	00	01	212	1	15	15	0	
002552	SDFPFEX0	150	35	243	HLAsm	0030	48	3	00	01	212	1	16	16	0	
002553	SDFPFEX0	150	37	243	HLAsm	0030	48	3	00	01	212	1	18	18	0	
002554	SDFPFEX0	150	41	243	HLAsm	0030	48	3	00	01	212	1	22	22	0	
002555	SDFPFEX0	150	42	243	HLAsm	0030	48	3	00	01	212	1	23	23	0	
002556	SDFPFEX0	150	45	243	HLAsm	0030	48	3	00	01	212	1	26	26	0	
002557	SDFPFEX0	150	48	243	HLAsm	0030	48	3	00	01	212	1	29	29	0	
002558	SDFPFEX0	150	50	243	HLAsm	0030	48	3	00	01	212	1	31	31	0	
002559	SDFPFEX0	150	51	999	HLAsm	0030	48	3	00	01	220	1	32	65	31	
002560	SDFPFEX0	150	52	999	HLAsm	0030	48	3	00	01	220	1	34	24	65	
002561	SDFPFEX0	150	53	999	HLAsm	0030	48	3	00	01	220	1	35	26	65	
002562	SDFPFEX0	150	54	999	HLAsm	0030	48	3	00	01	220	1	36	27	65	
002563	SDFPFEX0	150	55	999	HLAsm	0030	48	3	00	01	220	1	37	28	65	
002564	SDFPFEX0	150	56	999	HLAsm	0030	48	3	00	01	220	1	38	29	65	
002565	SDFPFEX0	150	57	999	HLAsm	0030	48	3	00	01	220	1	39	30	65	
002566	SDFPFEX0	150	58	999	HLAsm	0030	48	3	00	01	220	1	40	31	65	
002567	SDFPFEX0	150	59	999	HLAsm	0030	48	3	00	01	220	1	41	32	65	
002568	SDFPFEX0	150	60	999	HLAsm	0030	48	3	00	01	220	1	42	33	65	
002569	SDFPFEX0	150	61	999	HLAsm	0030	48	3	00	01	220	1	43	34	65	
002570	SDFPFEX0	150	62	999	HLAsm	0030	48	3	00	01	220	1	44	35	65	
002571	SDFPFEX0	150	63	999	HLAsm	0030	48	3	00	01	220	1	45	36	65	
002572	SDFPFEX0	150	64	999	HLAsm	0030	48	3	00	01	220	1	46	37	65	
002573	SDFPFEX0	150	65	999	HLAsm	0030	48	3	00	01	220	1	47	38	65	
002574	SDFPFEX0	150	66	999	HLAsm	0030	48	3	00	01	220	1	48	39	65	
002575	SDFPFEX0	150	67	999	HLAsm	0030	48	3	00	01	220	1	49	40	65	
002576	SDFPFEX0	150	68	999	HLAsm	0030	48	3	00	01	220	1	50	41	65	
002577	SDFPFEX0	150	69	999	HLAsm	0030	48	3	00	01	220	1	51	42	65	
002578	SDFPFEX0	150	70	999	HLAsm	0030	48	3	00	01	220	1	52	43	65	
002579	SDFPFEX0	150	71	999	HLAsm	0030	48	3	00	01	220	1	53	44	65	
002580	SDFPFEX0	150	72	999	HLAsm	0030	48	3	00	01	220	1	54	45	65	

CBLc
File Edit Actions Options Utilities Window SwapList Help wS wR

Edit(UP) JGE.CBLI.MBRLIST.SOURCE.KSDS:1 using LAC.CBLI.SDO(MBRLIST) 512 V K

Command>

Record	type:	CompUnit	F(39)	Offset=0	Member	Ver	RecNo	RecLen	Language	RecTypeX	RecTypeN	ALevel
002539	SDFPFEX0	150	1	39	HLAsm	0002	2					

Record type: Source V(155,251) Offset=0

Record	type:	Source	V(155,251)	Offset=0	Member	Ver	RecNo	RecLen	Language	RecTypeX	RecTypeN	ALevel
002540	SDFPFEX0	150	20	243	HLAsm	0030	48					
002541	SDFPFEX0	150	21									
002542	SDFPFEX0	150	22									
002543	SDFPFEX0	150	23									
002544	SDFPFEX0	150	25									
002545	SDFPFEX0	150	26									
002546	SDFPFEX0	150	27	243	HLAsm	0030	48					
002547	SDFPFEX0	150	28	243	HLAsm	0030	48					
002548	SDFPFEX0	150	30	243	HLAsm	0030	48					
002549	SDFPFEX0	150	31	243	HLAsm	0030	48					
002550	SDFPFEX0	150	32	243	HLAsm	0030	48					
002551	SDFPFEX0	150	34									
002552	SDFPFEX0	150										
002553	SDFPFEX0	150	31									
002554	SDFPFEX0	150	41									
002555	SDFPFEX0	150	42									
002556	SDFPFEX0	150	45									
002557	SDFPFEX0	150	48	243	HLAsm	0030	48					
002558	SDFPFEX0	150	50	243	HLAsm	0030	48					
002559	SDFPFEX0	150	51	999	HLAsm	0030	48					
002560	SDFPFEX0	150	52	999	HLAsm	0030	48					
002561	SDFPFEX0	150	53	999	HLAsm	0030	48					
002562	SDFPFEX0	150	54	999	HLAsm	0030	48					
002563	SDFPFEX0	150	55	999	HLAsm	0030	48					
002564	SDFPFEX0	150	56	999	HLAsm	0030	48					
002565	SDFPFEX0	150	57	999	HLAsm	0030	48					
002566	SDFPFEX0	150	58	999	HLAsm	0030	48					
002567	SDFPFEX0	150	59	999	HLAsm	0030	48					
002568	SDFPFEX0	150	60	999	HLAsm	0030	48					
002569	SDFPFEX0	150	61	999	HLAsm	0030	48					
002570	SDFPFEX0	150	62	999	HLAsm	0030	48					
002571	SDFPFEX0	150	63	999	HLAsm	0030	48					
002572	SDFPFEX0	150	64	999	HLAsm	0030	48					
002573	SDFPFEX0	150	65	999	HLAsm	0030	48					
002574	SDFPFEX0	150										
002575	SDFPFEX0	150										
002576	SDFPFEX0	150										
002577	SDFPFEX0	150										
002578	SDFPFEX0	150										
002579	SDFPFEX0	150										
002580	SDFPFEX0	150										

Single record View

Note: original view remains too.

Open as many views as required.

Edit(UP) JGE.CBLI.MBRLIST.SOURCE.KSDS:2 using LAC.CBLI.SDO(MBRLIST) -+X

Command>

Record> 002544

Record type: Source V(155,251) Offset=0

Field	Data
1 Source	AN 1:251
2 ADataHdr	AN 1:31
3 Member	AN 1:8
3 Ver	ZD 9:3
3 RecNo	BN 12:4
3 RecLen	BN 16:4
3 Language	BN 20:1
3	AN 21:2
4 RecTypeX	X 21:2
4 RecTypeN	BN 21:2
3 ALevel	BN 23:1
3 ADAFlag	X 24:1
3 FLevel	X 25:1
3	X 26:4
3 DataLen	BN 30:2
2 SRCESD	BN 32:4
2 SRCStmt	BN 36:4
2 SRCInRec	BN 40:4
2 SRCParRec	BN 44:4
2 SRCInNum	BN 48:4
2 SRCParNum	BN 52:4
2 SRCLoctr	X 56:4
2 SRCRecOrigin	BN 60:1
2 SRCParOrigin	BN 61:1
2 SRCPrintFlag	X 62:1
2	X 63:2
2 SRCRecType	X 65:1
2 SRCOpCode	X 66:1
2 SRCAddrFlag	X 67:1
2	X 68:4
2 SRCAddr1	X 72:4
2	X 76:4
2 SRCAddr2	X 80:4
2 SRCNameOff	BN 84:4
2 SRCNameLen	BN 88:4
2 SRCOpOff	BN 92:4
2 SRCOpLen	BN 96:4
2 SRCOpPraOff	BN 100:4
2 SRCOpPraLen	BN 104:4
2 SRCRemsOff	BN 108:4
2 SRCRemsLen	BN 112:4
2 SRCContOff	BN 116:4
2	X 120:4
2 SRCOpOff	BN 124:4
2 SRCOpLen	BN 128:4
2 SRCOpPraOff	BN 132:4
2 SRCOpPraLen	BN 136:4
2 SRCRemsOff	BN 140:4
2 SRCRemsLen	BN 144:4
2 SRCContOff	X 148:8
2 SRCPar	AN 156:8
2 SRCPar	AN 164:8

Edit(AUX) JGE.CBLI.MBRLIST.SOURCE.SEQ using LAC.CBLI.SDD(MBRLIST) 512 V SEQ

Command> Scroll> Csr

000000 *** Top of Data ***
Record type: CompUnit F(39) Offset=0
Member Ver RecNo RecLen Language RecTypeX RecTypeN ALevel ADAF1

#3
AN 1:8 ZD
<---+--->
000001 APEATRAC

SDEUTIL - CBL Structured Browse/Edit Utilities menu
Select option by entering number or by PF key.

>>> 1_

Record-Type options

1. VIEW Source records only (PF1)
2. Remove Source records from current VIEW (PF2)
3. Exit utilities menu without action (PF3)
4. Select from list of available record-types (PF4)
5. Modify record-type OFFSET values (PF5)
6. Modify record-type Identification criteria (PF6)

Field options

7. Select/Exclude/Order visible field-names (PF7)

Record Information

8. Configure display of record-length, RBA and flags (PF8)

Shadow-line options

9. Configure display of SHADOWed records (PF9)

Window options

10. Open single-record (ZOOM) view in new window (PF10)

Structured Data Edit Utilities Menu.

Record type: Sourc
Member #3
AN 1:8 ZD
<---+--->

Record	type:	Sourc	Member	Ver	RecNo	RecLen	Language	RecTypeX	RecTypeN	ALevel	ADAF1
000002	APEATRAC										
000003	APEATRAC										
000004	APEATRAC										
000005	APEATRAC										
000006	APEATRAC										
000007	APEATRAC										
000008	APEATRAC										
000009	APEATRAC										
000010	APEATRAC										
000011	APEATRAC										
000012	APEATRAC										
000013	APEATRAC										
000014	APEATRAC										
000015	APEATRAC										
000016	APEATRAC	150			32	16	HLAsm	0030		48	3 00
000017	APEATRAC	150			33	17	HLAsm	0030		48	3 00
000018	APEATRAC	150			34	18	HLAsm	0030		48	3 00
000019	APEATRAC	150			35	19	HLAsm	0030		48	3 00
000020	APEATRAC	150			36	20	HLAsm	0030		48	3 00
000021	APEATRAC	150			37	21	HLAsm	0030		48	3 00
000022	APEATRAC	150			38	22	HLAsm	0030		48	3 00
000023	APEATRAC	150			39	23	HLAsm	0030		48	3 00
000024	APEATRAC	150			40	24	HLAsm	0030		48	3 00
000025	APEATRAC	150			41	25	HLAsm	0030		48	3 00
000026	APEATRAC	150			42	26	HLAsm	0030		48	3 00
000027	APEATRAC	150			43	27	HLAsm	0030		48	3 00
000028	APEATRAC	150			44	28	HLAsm	0030		48	3 00
000029	APEATRAC	150			45	29	HLAsm	0030		48	3 00
000030	APEATRAC	150			46	30	HLAsm	0030		48	3 00
000031	APEATRAC	150			47	31	HLAsm	0030		48	3 00
000032	APEATRAC	150			48	32	HLAsm	0030		48	3 00
000033	APEATRAC	150			49	33	HLAsm	0030		48	3 00

Scroll> Csr

+...5...+...6...+...7...

*** 2007/11/15 .demo
l libs prefixed sys1.m
l libs prefixed sys1.m
en member
mber

FREECYL d

FM='VB')

```

000059 <ll %user.edit.UserMacros%; where User = %user% & LastMod => %date%
000060 <eini | Edit user ini file.
000061 <lvx cbl*:** |
000062 | Calendar Prep
000063 <lval z6*
000064 <ll adcd.lib.jcl | list adcd sample jcl's.
000065 <e dra.lib.jcl(cblstr) | list all JCL files.
000066 <ld %user%.** | List files with my userid.

```

```

-CBLc
File Edit Actions Options Utilities Window SwapList Help  wS wR

-CBL.DIST.CBLI.DIST.CMX(SDE):1 1020 V PDSE Size=602 Alt=0,0;1 --+X
Command> Scroll> Csr
...+...1...+...2...+...3...+...4...+...5...+...6...+...7
000390 | The next command will tile this window from the top-left corner.
000391 <szw w=77 d=20; mw x=3 y=2; sos makecurr; up 1; ww mw x=81 y=2;
000392
000393 | Now we'll add the SDE edit window, occupying the rest of the
000394 <sd edit %user%.CBLI.SDE.SAMP.VAR(DatSALES) \
000395 using %user%.CBLI.SDO(CobSALES) \
000396 ;szw d=31; mw x=3 y=24; TEdit e %fid% | Returns focus to this
000397
000398 | Now let's issue a few interesting command sequences
000399 ... view a single record-type, and switch off shadow-lines ...
000400 <sd view REC-CARD ; sd shadow off all
000401
000402 | ... using the same record-type, let's look for expired cards ...
000403 <sd where EXPIRES < %yyyy%mm%
000404
000405 | ... and for anomalies ...
000406 <sd where VALID-FROM > EXPIRES | More commands on next page /

```

Execute this command

```

BL.DIST.CBLI.DIST.CMX(SDE):2 1020 V PDSE Size=602 Alt=0,0;1 --+X
mmand> Scroll> Csr
...+...1...+...2...+...3...+...4...+...5...+...6...+...7
0407 | ... view a different record-type, and select a few columns ...
COUNTRY,CITY,POSTCODE; sd reset; sd up m
but add all the others cols on the end..
COUNTRY,CITY,POSTCODE hold,*
nt, keeping important cols in view.

0414 | ... return to viewing all record-types ...
0415 <sd v * | 'V' is minimum abbreviation for 'VIEW'.
0416
0417 | By turning on shadow-lines, we can see that some records are 'X'd'.
0418 <sd shad on all
0419
0420 | We can use the 'SdeRtAll' tool to issue a command to all rec-types.
0421 <sd SdeRtAll reset x Show all excluded lines.
0422 <sd SdeRtAll sel cust-id h,* Hold 'CUST-ID' for all rec-types.
0423 <sd SdeRtAll where cust-id = 2991; sd top; sd shadow off all

```

```

-Edit DRA.CBLI.SDE.SAMP.VAR(DATSALES) using DRA.CBLI.SDO(COBSALES) 16384 V PDSE --+X
Command> Scroll> Csr
000000 *** Top of Data ***
Record type: REC-CUST F(196) Offset=0
CUST-ID PASS LASTNAME FIRSTNAME COUNTRY POSTCODE CITY HOUSE STREET EMAIL
#2 #3 #4 #5 #6 #7 #8 #9 #10 #11
FB 1:4 AN 5:15 AN 20:15 AN 35:15 AN 50:2 AN 52:12 AN 64:15 FB 79:4 AN 83:25 AN 108:35
<----> <----> <----> <----> <----> <----> <----> <----> <----> <----> <---->
000001 9156 78fj2foa Ramstein Hans UK DN4 9BR DONCASTER 124 Springwell Lane hansrams@abc.co.uk
000002 7037 chico Richards Denise UK CF31 1BX BRIDGEND 1 Cald Avenue DRich153@fsnet.com
000003 6712 benj Hill Mike US 75204 DALLAS 2828 Benton Street MikeH@proveit.com

Record type: REC-CARD F(58) Offset=0
CUST-ID SEQ CR-OR-DR COMPANY CARD-NUMBER NAME VALID-FROM EXPIRES SEC
#2 #3 #5 #6 #7 #8 #9 #10 #11
FB 1:4 FB 5:2 AN 7:1 AN 8:7 PD 15:9 AN 24:25 PD 49:4 PD 53:4 PD 57:2
<----> <-> <----> <----> <----> <----> <----> <----> <---->
000004 1124 0 D VISA 8754875676474656 CARL SLAIN 200610 201307 778
000005 9156 0 D DELTA 1282937860235632 MR HANS R RAMSTEIN 200704 200804 275

Record type: REC-ORDER V(92,112) Offset=0
CUST-ID ORDER-REF QTY ITEM-CODE UNIT-PRICE DELIVERY ORDER-DATE DESPA-DATE SAME-AS-MAIN COUNTRY POSTCODE CITY HOUSE STREET
#2 #3 #4 #5 #6 #7 #8 #9 #11 #12 #13 #14 #15 #16
FB 1:4 FB 5:4 FB 9:2 FB 11:4 PD 15:4 PD 19:3 PD 22:5 PD 27:5 AN 32:1 AN 33:2 AN 35:12 AN 47:15 FB 62:4 AN 66:25
<----> <----> <----> <----> <----> <----> <----> <----> <----> <----> <----> <----> <----> <----> <---->
000006 9156 557833807 7 18385 84.82 4.79 20051022 20050319 N UK DN4 9BR DONCASTER 450 Springwell L
000007 9156 696534904 1 19692 128.03 7.94 20070823 20050902 N UK CF31 2QQ BRIDGEND 3 Chelsea Clos

Record type: REC-PAYMENT F(26) Offset=0
CUST-ID RECEIVED-DATE CARD-NUMBER ORDER-REF AMOUNT
#2 #3 #4 #5 #6

```

Focus Window

-DRA.CBLI.CMX

```

-CBLLe
File Edit Actions Options Utilities Window SwapList Help  wS wR

-CBL.DIST.CBLI.DIST.CMX(SDE):1 1020 V PDSE Size=602 Alt=0,0;1 --+x
Command> Scroll> Csr
...+....1....+....2....+....3....+....4....+....5....+....6....+....7
000390 | The next command will tile this window from the top-left corner.
000391 <szw w=77 d=20; mw x=3 y=2; sos makecurr; up 1; ww mw x=81 y=2;down pa
000392
000393 | Now we'll add the SDE edit window, occupying the rest of the screen.
000394 <sd edit %user%.CBLI.SDE.SAMP.VAR(DatSALES) \
000395 using %user%.CBLI.SDO(CobSALES) \
000396 ;szw d=31; mw x=3 y=24; TEdit e %fid% | Returns focus to this file.
000397
000398 | Now let's issue a few interesting command sequences ...
000399 ... view a single record-type, and switch off shadow-lines ...
000400 <sd view REC-CARD ; sd shadow off all
000401
000402 | ... using the same record-type, let's look for ...
000403 <sd where EXPIRES < %yyyy%mm%
000404
000405 | ... and for anomalies ...
000406 <sd where VALID-FROM > EXPIRES | More commands on next page /

```

```

BL.DIST.CBLI.DIST.CMX(SDE):2 1020 V PDSE Size=602 Alt=0,0;1 --+x
mmmand> Scroll> Csr
...+....1....+....2....+....3....+....4....+....5....+....6....+....7
0407 | ... view a different record-type, and select a few columns ...
0408 <sd view REC-CUST ; sd select COUNTRY,CITY,POSTCODE; sd reset; sd up m
0409
0410 | ... now hold these visible, but add all the others cols on the end..
0411 <sd view REC-CUST ; sd select COUNTRY.CITY.POSTCODE hold,*
0412 | You c... important cols in view.
0413
0414 | ... r...
0415 <sd v... tion for 'VIEW'.
0416
0417 | ... at some records are 'X'd.
0418
0419
0420 | We can use the SDE edit tool to issue a command to all rec-types.
0421 <sd SdeRtAll reset x Show all excluded lines.
0422 <sd SdeRtAll sel cust-id h,* Hold 'CUST-ID' for all rec-types.
0423 <sd SdeRtAll where cust-id = 2991; sd top; sd shadow off all

```

Now filter records further.

```

-Edit DRA.CBLI.SDE.SAMP.VAR(DATSALES) using DRA.CBLI.SDO(COBSALES) 16384 V PDSE --+x
Command> Scroll> Csr
000000 *** Top of Data ***
Record type: REC-CARD F(58) Offset=0
CUST-ID SEQ CR-DR-DR COMPANY CARD-NUMBER NAME VALID-FROM EXPIRES SEC
#2 #3 #5 #6 #7 #8 #9 #10 #11
FB 1:4 FB 5:2 AN 7:1 AN 8:7 PD 15:9 AN 24:25 PD 49:4 PD 53:4 PD 57:2
<----> <-> - <----> <---+-----1-----> <---+-----1-----2-----> <---+> <---> <->
000004 1124 0 D VISA 8754875676474656 CARL SLAIN 200610 201307 778
000005 9156 0 D DELTA 1282937860235632 MR HANS R RAMSTEIN 200704 200804 275
000009 1564 1 C DELT 6754875676474656 MR C SLAIN 200409 200501 719
000012 9804 2 C Aqua 2890100161893840 Joseph B Jones 200401 200512 227
000013 9928 2 C MAST 8965229969967546 Mr Bruce W Howard 200512 200507 461
000014 6239 4 D VISA 1098717650442152 Msr J Cousteau 200504 200604 881
000029 2991 0 X Aqua 86273689960235435 Jacque Cousteau 200405 201309 649
000030 6792 6 W VISA 9463829326644146 BRUCE W HOWARD 200403 200605 832
000045 1472 5 D VISA 1282937860235632 Tayler Martinez 200403 201212 779
000046 9804 6 D MAST 2637970469695876 Mr JOeseph B jones 200509 201001 302
000047 9316 5 C DELTA 1982894749696023 Taylor martines 200711 200506 513
000048 9156 1 C MAST 7678746370682730 Mr H R Ramstein 199807 199909 280
000049 6958 3 C DELTS 8474563326644448 Alan MacDonald 200706 200911 417
000064 *** End of Data ***

```

-DRA.CBLI.CMX

```

-CBLc
File Edit Actions Options Utilities Window SwapList Help  wS wR

-CBL.DIST.CBLI.DIST.CMX(SDE):1 1020 V PDSE Size=602 Alt=0,0;1 --+x
Command> Scroll> Csr
SDE178I 8 lines of record type REC-CARD selected by where EXPIRES <
200903.
000391 <szw w=77 d=20; mw x=3 y=2; sos makecurr; up 1; ww mw x=81 y=2;down pa
000392
000393 | Now we'll add the SDE edit window, occupying the rest of the screen.
000394 <sd edit %user%.CBLI.SDE.SAMP.VAR(DatSALES) \
000395 %user%.CBLI.SDO(CobSALES) \
000396 ;szw d=31; mw x=3 y=24; TEdit e %fid% | Returns focus to this file.
000397
000398 | Now let's issue a few interesting command sequences ...
000399 | ... view a single record-type, and switch off shadow-lines ...
000400 <sd view REC-CARD ; sd shadow off all
000401
000402 | ... using the same record-type, let's look for expired cards ...
000403 <sd where EXPIRES = < %yyyy%mm%
000404
000405 | ... and for anomalies ...
000406 <sd where VALID-FROM > EXPIRES | More commands on next page /

```

```

BL.DIST.CBLI.DIST.CMX(SDE):2 1020 V PDSE Size=602 Alt=0,0;1 --+x
mmand> Scroll> Csr
...+....1....+....2....+....3....+....4....+....5....+....6....+....7
0407 | ... view a different record-type, and select a few columns ...
0408 <sd view REC-CUST ; sd select COUNTRY,CITY,POSTCODE; sd reset; sd up m
0409
0410 | ... now hold these visible, but add all the others cols on the end..
0411 <sd view REC-CUST ; sd select COUNTRY,CITY,POSTCODE hold,*
0412 | You can now scroll left/right, keeping important cols in view.
0413
0414 | ... return to viewing all record-types ...
0415 <sd v * | 'V' is minimum abbreviation for 'VIEW'.
0416
0417 | By turning on shadow-lines, we can see that some records are 'X'd .
0418 <sd shad on all
0419
0420 | We can use the 'SdeRtAll' tool to issue a command to all rec-types .
0421 <sd SdeRtAll reset x Show all excluded lines.
0422 <sd SdeRtAll sel cust-id h,* Hold 'CUST-ID' for all rec-types.
0423 <sd SdeRtAll where cust-id = 2991; sd top; sd shadow off all

```

```

-Edit DRA.CBLI.SDE.SAMP.VAR(DATSALES) using DRA.CBLI.SDO(COBSALES) 16384 V PDSE --+x
Command> Scroll> Csr
Record type: REC-CARD F(58) Offset=0
CUST-ID SEQ CR-DR DR COMPANY VALID-FROM EXPIRES SEC
#2 #3 #5 #6 #7 #8 #9 #10 #11
FB 1:4 FB 5:2 AN 7:1 AN 8:7 PD 15:9 AN 24:25 PD 49:4 PD 53:4 PD 57:2
<----> <-> - <----> <-----1-----> <-----2-----> <----> <->
000005 9156 0 D DELTA 1282937860235632 MR HANS R RAMSTEIN 200704 200804 275
000009 1564 1 C DELT 6754875676474656 MR C SLAIN 200409 200501 719
000012 9804 2 C Aqua 2890100161893840 Joseph B Jones 200401 200512 227
000013 9928 2 C MAST 8965229969967546 Mr Bruce W Howard 200512 200507
000014 6239 4 D VISA 1098717650442152 Msr J Cousteau 200504 200604 881
000030 6792 6 W VISA 9463829326644146 BRUCE W HOWARD 200403 200605 832
000047 9316 5 C DELTA 1982894749696023 Taylor martines 200711 200506 513
000048 9156 1 C MAST 7678746370682730 Mr H R Ramstein 199807 199909 280
000064 *** End of Data ***

```

Changed View

Commands to create different views of the data can be stored in the commands file and used time and time again.

Report Windows

- Define Structure for any dataset on disk.
 - No copybook required.
- View dataset using structure.
- SQL type filtering (SELECT/WHERE) clauses
- SORT on headings (like list windows)
- Command can be saved for later execution.
- Resulting report can be saved or printed.

SDE - Structures

Structure is similar to a Copybook!

Define a Structure

Create a List from a Structure

Display Report Window

All 'sd' commands could be run via macro too.

```

-DRA.CBLI.CMX 255 V SEQ Size=481 Recl=255 Fmt=V Files=1 Views=1 t=0,0;0
Command>
|...+...1...+...2...+...3...+...4...+...5...+...6...+...7...
000051 <sd edit fmn510.sfmnsam1(fmn using cbl.cbli.sdo(fmncdata) noprofi
000052 <sd browse fmn510.sfmnsam1(fmnc using lac.cbli.sdo(fmncdata)
000053 ** structured data edit (airpo *
000054 <em airp
000055 <selcopy -ctl cbl.ctl(airports)
000056 <e cbl.``airports.bin
000057 <em airp
000058 <e CBL.AIRPORTS.BIN
000059 <sd create structure_ lac.cbli.sdo(AIRPORTS)
000060 (AIRPORTS struct (
000061 Name char(19)
000062 City char(16)
000063 char(05)
000064 Country char(03)
000065 char(09)
000066 Passengers dec(08)
000067 ) ascii \
000068 ) \
000069 case respect replace
000070 <sd create list AIRPORTS from CBL.AIRPORTS.BIN \
000071 using lac.cbli.sdo(AIRPORTS) title "WORLD'S 50 BUSIEST AIRPORTS, 199
000072 <sd Displa list AIRPORTS
000073
000074 .hfs *** Hierarchical File System ***
000075 <ld /ADCD/etc/hosts | 2007/08/08 Fname not yet supported.
000076 <e /ADCD/etc/hosts
000077 <ld /ADCD/etc/booksrv
000078 <ld /ADCD/etc
000079 <ld /mnt
000080 <ld /usr
000081 <ld /var
000082 <ld /tmp

```

SDE - Structures

Report window

Report Title

Sort by clicking on Headings

WORLD'S 50 BUSIEST AIRPORTS, 1997
View Back Forward FDB Edit Refresh Help
Command> _

Name	City	Country	Passengers
ATLANTA	ATLANTA	US	47649470
BALTIMORE INTL.	BALTIMORE	US	1660666
BOSTON	BOSTON	US	2328507
CHARLES DE GAULLE	PARIS	FR	16040641
CHARLOTTE INTL.	CHARLOTTE	US	12978582
COPENHAGEN	COPENHAGEN	DEN	10622814
DALLAS/FT. WORTH	DALLAS	US	41875444
DENVER	DENVER	US	32355000
DUESSELDORF	DUESSELDORF	FRG	9456468
DULLES	WASHINGTON, D.C.	US	10784767
FIUMICINO	ROME	IT	13701783
FRANKFURT	FRANKFURT	FRG	19802229
FUKUOKA	FUKUOKA	JA	10027862
GATWICK	LONDON	UK	19372600
HEATHROW	LONDON	UK	34742100
HONG KONG	HONG KONG	UK	12667434
HOUSTON INTL.	HOUSTON	US	15388967
KANSAS CITY INTL.	KANSAS CITY	US	9445778
KENNEDY	NEW YORK	US	30192477
LA GUARDIA	NEW YORK	US	24225913
LAS VEGAS INTL.	LAS VEGAS	US	14644962
LOS ANGELES INTL.	LOS ANGELES	US	44873113
MEMPHIS INTL.	MEMPHIS	US	10815549
METRO WAYNE	DETROIT	US	19746992
MEXICO CITY	MEXICO CITY	ME	10327348
MIAMI INTL.	MIAMI	US	24036104
MINNEAPOLIS	MINNEAPOLIS	US	17858986
MUNICH	MUNICH	FRG	9125266
NATIONAL	WASHINGTON, D.C.	US	15439860
NEWARK	NEWARK	US	23475254
O'HARE	CHICAGO	US	56280545
OAHU	HONOLULU	US	20380282
ORLANDO INTL.	ORLANDO	US	14781222
ORLY	PARIS	FR	20427446
OSAKA	OSAKA	JA	19291209
PEARSON	TORONTO	CAN	17962401
PHILADELPHIA	PHILADELPHIA	US	15427317
PHOENIX	PHOENIX	US	14771236

Line 1 of 50 Col 1 of 55 Views 1 select *

```
Alt=29,29;29 -+
Scroll> Csr
+....4....+....5....+....6....+....7....
char(19)
char(16)
char(05)
char(03)
char(09)
dec(08)

rom CBL.AIRPORTS.BIN \
title "WORLD'S 50 BUSIEST AIRPORTS, 199

System ***
07/08/08 Fname not yet supported.

*** 2007/11/15
list all libs prefixed sys1.m
list all libs prefixed sys1.m
edit open member
```

```
000085 <ld /VIR6
000086 <ld /
000087 .demo *** My DEMO Stuff
000088 <lc sys1.m
000089 <ld sys1.m
000090 <e sys1.maclib(open)
000091 <tso lista
```

SDE - Structures

Refine the Report further using SQL type syntax.

WORLD'S 50 BUSIEST AIRPORTS, 1997
View Back Forward FDB Edit Refresh Help
Command> where Country = US sort City

Name	City	Country	Passengers
ATLANTA	ATLANTA	US	47649470
BALTIMORE INTL.	BALTIMORE	US	9146286
BOSTON	BOSTON	US	23283047
CHARLES DE GAULLE	PARIS	FR	16040641
CHARLOTTE INTL.	CHARLOTTE	US	12978582
COPENHAGEN	COPENHAGEN	DEN	10622814
DALLAS/FT. WORTH	DALLAS	US	41875444
DENVER	DENVER	US	32355000
DUESSELDORF	DUESSELDORF	FRG	9456468
DULLES	WASHINGTON, D.C.	US	10784767
FIUMICINO	ROME	IT	13701783
FRANKFURT	FRANKFURT	FRG	19802229
FUKUOKA	FUKUOKA	JA	10027862
GATWICK	LONDON	UK	19372600
HEATHROW	LONDON	UK	34742100
HONG KONG	HONG KONG	UK	12667434
HOUSTON INTL.	HOUSTON	US	15388967
KANSAS CITY INTL.	KANSAS CITY	US	9445778
KENNEDY	NEW YORK	US	30192477
LA GUARDIA	NEW YORK	US	24225913
LAS VEGAS INTL.	LAS VEGAS	US	14644962
LOS ANGELES INTL.	LOS ANGELES	US	44873113
MEMPHIS INTL.	MEMPHIS	US	10815549
METRO WAYNE	DETROIT	US	19746992
MEXICO CITY	MEXICO CITY	ME	10327348
MIAMI INTL.	MIAMI	US	24036104
MINNEAPOLIS	MINNEAPOLIS	US	17858986
MUNICH	MUNICH	FRG	9125266
NATIONAL	WASHINGTON, D.C.	US	15439860
NEWARK	NEWARK	US	23475254
O'HARE	CHICAGO	US	56280545
OAHU	HONOLULU	US	20380282
ORLANDO INTL.	ORLANDO	US	14781222
ORLY	PARIS	FR	20427446
OSAKA	OSAKA	JA	19291209
PEARSON	TORONTO	CAN	17962401
PHILADELPHIA	PHILADELPHIA	US	15427317
PHOENIX	PHOENIX	US	14771236

Line 1 of 55 Col 1 of 55 Views 2 select *

where Country = US sort City

```
Alt=29,29;29 Scroll> Csr
+....4....+....5....+....6....+....7....
char(19)
char(16)
char(05)
char(03)
char(09)
dec(08)

rom CBL.AIRPORTS.BIN \
title "WORLD'S 50 BUSIEST AIRPORTS, 199

System ***
07/08/08 Fname not yet supported.

*** 2007/11/15
list all libs prefixed sys1.m
list all libs prefixed sys1.m
edit open member
```

SDE - Structures

List Views:
All previous
selections are
shown.

WORLD'S 50 BUSIEST AIRPORTS, 1997
View Back Forward FDB Edit Refresh Help
Command> _

Name	City	Country	Passengers
ATLANTA	ATLANTA	US	47649470
BALTIMORE INTL.	BALTIMORE	US	9146286
BOSTON	BOSTON	US	23283047
CHARLOTTE INTL.	CHARLOTTE	US	12978582
O'HARE	CHICAGO	US	56280545
DALLAS/FT. WORTH	DALLAS	US	41875444
DENVER	DENVER	US	32355000
METRO WAYNE	DETROIT	US	19746992
OAHU	HONOLULU	US	20380282
HOUSTON INTL.	HOUSTON	US	15388967
KANSAS CITY INTL.	KANSAS CITY	US	9445778
LAS VEGAS INTL.	LAS VEGAS	US	14644962
LOS ANGELES INTL.	LOS ANGELES	US	44873113
MEMPHIS INTL.	MEMPHIS	US	10815549
MIAMI INTL.	MIAMI	US	24036104
MINNEAPOLIS	MINNEAPOLIS	US	17858986
LA GUARDIA	NEW YORK	US	24225913
KENNEDY	NEW YORK	US	30192477
NEWARK	NEWARK	US	23475254
ORLANDO INTL.	ORLANDO	US	14781222
PHILADELPHIA	PHILADELPHIA	US	15427317
PHOENIX	PHOENIX	US	14771236
PITTSBURGH	PITTSBURGH	US	17457801
SALT LAKE CITY	SALT LAKE CITY	US	10163883
SAN DIEGO INTL.	SAN DIEGO	US	10101030
SAN FRANCISCO	SAN FRANCISCO	US	29812440
SEATTLE INTL.	SEATTLE	US	14445482
ST. LOUIS	ST. LOUIS	US	20362606
TAMPA	TAMPA	US	10008869
DULLES	WASHINGTON, D.C.	US	10784767
NATIONAL	WASHINGTON, D.C.	US	15439860

Line 1 of 31 | Col 1 of 55 | Views 2 | select * where Coun

```
Alt=29,29;29
Scroll> Csr
...+...4...+...5...+...6...+...7...
char(19)
char(16)
char(05)
char(03)
char(09)
dec(08)

from CBL.AIRPORTS.BIN
) title "WORLD'S 50 BUSIEST AIRPORTS, 199

le System
2007/08/08 Fname not yet supported.

*** 2007/11/15
list all libs prefixed sys1.m
list all libs prefixed sys1.m
edit open member
```

SDE - Structures

List of all views available.

Select the view by clicking.

WORLD'S 50 BUSIEST AIRPORTS, 1997
View Back Forward FDB Edit Refresh Help

```

select *
select * where Country = US sort City

```

Airport	City	Country	Passengers
BALTIMORE INTL.	BALTIMORE	US	47649470
BOSTON	BOSTON	US	9146286
CHARLOTTE INTL.	CHARLOTTE	US	23283047
O'HARE	CHICAGO	US	12978582
DALLAS FT. WORTH	DALLAS	US	56280545
DENVER	DENVER	US	41875444
MICHAEL BAYNE	DETROIT	US	32355000
HONOLULU	HONOLULU	US	19746992
HOUSTON INTL.	HOUSTON	US	20380282
KANSAS CITY INTL.	KANSAS CITY	US	15388967
LAS VEGAS INTL.	LAS VEGAS	US	9445778
LOS ANGELES INTL.	LOS ANGELES	US	14644962
MEMPHIS INTL.	MEMPHIS	US	44873113
MIAMI INTL.	MIAMI	US	10815549
MINNEAPOLIS	MINNEAPOLIS	US	24036104
LA GUARDIA	NEW YORK	US	17858986
KENNEDY	NEW YORK	US	24225913
NEWARK	NEWARK	US	30192477
ORLANDO INTL.	ORLANDO	US	23475254
PHILADELPHIA	PHILADELPHIA	US	14781222
PHOENIX	PHOENIX	US	15427317
PITTSBURGH	PITTSBURGH	US	14771236
SALT LAKE CITY	SALT LAKE CITY	US	17457801
SAN DIEGO INTL.	SAN DIEGO	US	10163883
SAN FRANCISCO	SAN FRANCISCO	US	10101030
SEATTLE INTL.	SEATTLE	US	29812440
ST. LOUIS	ST. LOUIS	US	14445482
TAMPA	TAMPA	US	20362606
DULLES	WASHINGTON, D.C.	US	10008869
NATIONAL	WASHINGTON, D.C.	US	10784767
		US	15439860

Line 1 of 31 Col 1 of 55 Views 2 select * where Country = US so

Scroll > Csr

```

+.....5.....+.....6.....+.....7....
r)
T) \
T) replace case(ignore) nam
T); v *

ows) ***

S)
har(19)
har(16)
har(05)
har(03)
har(09)
dec(08)

RPORTS.BIN
RLD'S 50 BUSIEST AIRPORTS, 199

```

000542 AMILINE.1 = SELCOPY
000543 AMILINE.2 = VCAT
000544 AMILINE.3 =

SDE - Structures

Browse Backwards and Forwards thru previous Selections.

WORLD'S 50 BUSIEST AIRPORTS, 1997
 View Back Forward FDB Edit Refresh Help
 Command> _

Name	City	Country	Passengers
ATLANTA	ATLANTA	US	47649470
BALTIMORE INTL.	BALTIMORE	US	9146286
BOSTON	BOSTON	US	23283047
CHARLOTTE INTL.	CHARLOTTE	US	12978582
O'HARE	CHICAGO	US	56280545
DALLAS/FT. WORTH	DALLAS	US	41875444
DENVER	DENVER	US	32355000
METRO WAYNE	DETROIT	US	19746992
OAHU	HONOLULU	US	20380282
HOUSTON INTL.	HOUSTON	US	15388967
KANSAS CITY INTL.	KANSAS CITY	US	9445778
LAS VEGAS INTL.	LAS VEGAS	US	14644962
LOS ANGELES INTL.	LOS ANGELES	US	44873113
MEMPHIS INTL.	MEMPHIS	US	10815549
MIAMI INTL.	MIAMI	US	24036104
MINNEAPOLIS	MINNEAPOLIS	US	17858986
LA GUARDIA	NEW YORK	US	24225913
KENNEDY	NEW YORK	US	30192477
NEWARK	NEWARK	US	23475254
ORLANDO INTL.	ORLANDO	US	14781222
PHILADELPHIA	PHILADELPHIA	US	15427317
PHOENIX	PHOENIX	US	14771236
PITTSBURGH	PITTSBURGH	US	17457801
SALT LAKE CITY	SALT LAKE CITY	US	10163883
SAN DIEGO INTL.	SAN DIEGO	US	10101030
SAN FRANCISCO	SAN FRANCISCO	US	29812440
SEATTLE INTL.	SEATTLE	US	14445482
ST. LOUIS	ST. LOUIS	US	20362606
TAMPA	TAMPA	US	10008869
DULLES	WASHINGTON, D.C.	US	10784767
NATIONAL	WASHINGTON, D.C.	US	15439860

Line 1 of 31 Col 1 of 55 Views 2 select * where Coun

```
Alt=29,29;29
Scroll> Csr
...+...4...+...5...+...6...+...7...
char(19)
char(16)
char(05)
char(03)
char(09)
dec(08)

from CBL.AIRPORTS.BIN
) title "WORLD'S 50 BUSIEST AIRPORTS, 199

le System
2007/08/08 Fname not yet supported.

*** 2007/11/15
list all libs prefixed sys1.m
list all libs prefixed sys1.m
edit open member
```

File Search and Update (FSU)

- Any mix of data set input (including wild cards).
- Optionally Update in place.
- Structures can be applied to further qualify search arguments (e.g. If column2=xyz).
- Audit Log.
- FSUUNDO facility to reverse all changes made.

```

FSU - File Search/Update
Run(PF4) GenerateCLI(PF2) Help
  FIND and/or CHANGE strings in multiple files/PDS(E) members

INPUT Fileid Mask: _____
      or Fileid format={volser:}dataset.name{(member)} inc wildcards.
      Volume Mask: _____
      DSN Mask: _____
      Member Mask: _____

V Enter "/" to activate each of the options below.      Word Prefix Suffix
- FIND: _____
- in Start Col: _____ End Col: _____
- and/or
- CHANGE: All _ First _ Last _
- from: _____
- to: _____ Immediate UPDATE
- in Start Col: _____ End Col: _____

Specify optional SQL-style SELECT/WHERE ...
- Column SELECT: _____
- Filter WHERE: _____

Specify optional structure (CopyBook) overlay ...
- USING (SDO) Structure : _____
- VIEW (RTO) Record-type: _____

```

FSU Panel

```

ze=783 Alt=3,3;4
.....3.....+....4.....+....5.....+....6.....+....7.....
General Resource Profiles
Group Profiles and User-To-Group
User Profiles
System Options
Remote Sharing Facility
Digital Certificates

```

```

CF commands directly
o System Information.
000761 < TsoC permit CBLI.SYSTEM CLASS(FACILITY) id(%user%) access(non
000762 | After PERMIT commands, you must issue SETROPTS REFRESH for it to take ef
000763 < TsoC setropts raclist (FACILITY) refresh
000764 < SYSInfo | Test access.
000765
000766
000767 | List RACF User Profile.
000768 < TsoC lu (%user%) CICS DCE DFP KERB LANGUAGE LNOTES \
000769 | NDS NETVIEW OMVS OPERPARM OVM TSO \
000770 | WORKATTR
000771
000772 | RACF Dataset Profile ***
000773 < equ dsn %user%.RACF.TEST
000774 < e %dsn% | Create a test file.
000775 < TsoC addedd '%dsn%' uac(alter) | Add a dataset profile with Universa
000776 < TsoC listdsd da('%dsn%') all | List dataset profile.
000777 < TsoC permit '%dsn%' id(%user%2) access(none) | Add a restriction for
000778 < TsoC permit '%dsn%' id(%user%2) delete | Remove the restrictio
000779 < TsoC listuser
000780
000781
000782 < b cbl.cmX(sde)
000783 < b cbl.cmX(fsu)

```

```

FSU - File Search/Update
Run(PF4) GenerateCLI(PF2) Help
  FIND and/or CHANGE strings in multiple files/PDS(E) members

INPUT Fileid Mask: cbl.cmx(*)
      or Fileid format={volser;}dataset.name{(member)} inc wildcards.
Volume Mask:
DSN Mask:
Member Mask:

V Enter "/" to activate each of the options below.      Word Prefix Suffix
/ FIND: key
  in Start Col:      End Col:
and/or
CHANGE: All / First _ Last _
  from:
  to:
  in Start Col:      End Col:

Specify optional SQL-style SELECT/WHERE ...
Column SELECT:
Filter WHERE:

Specify optional structure (CopyBook) overlay ...
USING (SDO) Structure :
VIEW (RTO) Record-type:

```

Input Files to search

Input String to search for

Select Find or Change

```

ze=783 Alt=3,3;5
...3...+...4...+...5...+...6...+...7...

uff          *** 2007/11/15 .demo
| list all libs prefixed sys1.m
| list all libs prefixed sys1.m
| edit open member
| edit open member

```

```

000043 <lval cblmct
000044 <lval z*
000045 <lval z*; where SMS=N & FREECYL >= 1000 sort FREECYL d
000046 <fs SYS1.maclib(d*) 'mnote'
000047 <em firstuse
000048
000049 <e cbl.cmx(jge); setpt 68 100; .Cal
000050 <e cbl.cmx(jge);
000051 <e cbl.cmx(nbj);
000052 <e cbl.cmx(racf);
000053 <e cbl.cmx(firstmvs)
000054 <ll dra.lib.jcl
000055 <ll cbl.jcl(s*)
000056 <ll cbl.cmx
000057 <ld sys1; where ORG=PO and (RECFM='V' or RECFM='VB')
000058 <ll %user.edit.UserMacros%; where User = %user% & LastMod => %date%
000059 <eini | Edit user ini file.
000060 <lvx cbl*; **
000061 | Calendar Prep
000062 <lval z6*
000063 <ll adcd.lib.jcl | list adcd sample jcl's.
000064 <e dra.lib.jcl(cblstrt) | list all JCL files.
000065 <ld %user%.** | List files with my userid.

```

Edit DRA.FSU.D2009026.T113935 using DRA.FSU.D2009026.T113935.SD0 286 V ESDS

Command> SDE266I FSU Summary: FIND - 1281 hits in 1281 records of 44 files. 0 Change Errors. 0 I/O

Record type: Command F(32) Offset=0
Command
#3
AN 2:31

Summary

FSU Results Screen

000001 Fsu FIND(key) INPUT(cbl.cmx(*))

Record type: Summary V(47,48) Offset=0

RunType	RecordsTot	FilesTot	Hits	RecordsHit	FilesHit	IOErrors	ChgErrors	ChgRecsErr	ChgFilesErr	StructureName
#3	#4	#5	#6	#7	#8	#9	#10	#11	#12 #13	
AN 2:8	BN 10:4	BN 14:4	BN 18:4	BN 22:4	BN 26:4	BN 30:4	BN 34:4	BN 38:4	BN 42:4	AN 46:3
000002	FIND	53029	101	1281	1281	44	0	0	0	0

Totals

Record type: Hit V(30,286) Offset=0

zDsn	zMember	zRecNo	zHitNo	zLrecl	zHits	zRecord
#4	#6	#8	#9	#10	#11	#12
AN 2:7	AN 10:8	BN 19:4	BN 23:4	BN 27:4	BN 31:4	BN 35:4

Press F1 to edit file containing string "key" directly on line found.

000003	CBL.CMX	BCS	70	1	6	1
000004	CBL.CMX	BCS	142	2	6	1
000005	CBL.CMX	BCS	205	3	6	1
000006	CBL.CMX	BCS	210	4	6	1
000007	CBL.CMX	BCS	215	5	6	1
000008	CBL.CMX	CALIB	302	1	12	1
000009	CBL.CMX	CALIB	364	2	7	1
000010	CBL.CMX	CBLIDEMS	112	1	7	1
000011	CBL.CMX	CBLIDEMS	113	2	18	1
000012	CBL.CMX	CBLIDEMS	225	3	70	1
000013	CBL.CMX	DJH	345	1	7	1
000014	CBL.CMX	DJH	346	2	1	1
000015	CBL.CMX	DJH	347	3	1	1
000016	CBL.CMX	DJH	557	1	114	1
000017	CBL.CMX	DLG	9	1	69	1
000018	CBL.CMX	DLG	10	2	69	1
000019	CBL.CMX	DRA	2	1	61	1
000020	CBL.CMX	DRA	11	2	57	1
000021	CBL.CMX	DRA	105	3	37	1
000022	CBL.CMX	DRA	207	4	29	1
000023	CBL.CMX	DRA	210	5	59	1
000024	CBL.CMX	DRA	212	6	61	1
000025	CBL.CMX	DRA	213	7	60	1
000026	CBL.CMX	DRA	224	8	21	1
000027	CBL.CMX	DRA	228	9	57	1
000028	CBL.CMX	DRA	229	10	34	1
000029	CBL.CMX	DRA	231	11	57	1
000030	CBL.CMX	DRA	237	12	62	1
000031	CBL.CMX	DRA	238	13	62	1
000032	CBL.CMX	DRA	243	14	62	1
000033	CBL.CMX	DRABU	2	1	61	1
000034	CBL.CMX	DRABU	110	2	57	1

Details

---- Press F1 to edit file at cursor line ----

Structured Edit Utilities Menu

- SDE Utilities Menu provides
 - Drop down menu panel.
 - Simplify choices for processing file.
 - Items selected via relevant number or PF key.

Edit(AUX) JGE.CBLI.MBRLIST.SOURCE.SEQ using LAC.CBLI.SDO(MBRLIST) 512 V SEQ

Command> Scroll> Csr

000000 *** Top of Data ***

Record type: CompUnit F(39) Offset=0

Member	Ver	RecNo	RecLen	Language	RecTypeX	RecTypeN	ALevel	ADAFIag	FLevel	DataLen	CUInd
#3	#4	#5	#6	#7 #9	#10	#11 #12	#13	#15	#16		
AN 1:8	ZD 9:3	BN 12:4	BN 16:4	BN 20:1 X 21:2	BN 21:2	BN 23:1 X 24:1 X 25:1	BN 30:2	X 32:2			
<---+--->	<->	<---+---1>	<---+---1>	<--->	<--->	<--->	<--->	<--->	<--->	<--->	<--->
000001	APEATRAC	150	1	HLAsm	0002	2	3	00	00	8	0000

Record type: Source V(155,251) Offset=0

Member	Ver	RecNo	RecLen	Language	RecTypeX	RecTypeN	ALevel	ADAFIag	FLevel	DataLen	SRCESD
#3	#4	#5	#6	#7 #9	#10	#11 #12	#13	#15	#16		
AN 1:8	ZD 9:3	BN 12:4	BN 16:4	BN 20:1 X 21:2	BN 21:2	BN 23:1 X 24:1 X 25:1	BN 30:2	BN 32:4			
<---+--->	<->	<---+---1>	<---+---1>	<--->	<--->	<--->	<--->	<--->	<--->	<---+---1>	
000002	APEATRAC	150	18	HLAsm	0030	48	3	00	01	212	0
000003	APEATRAC	150	19	HLAsm	0030	48	3	00	01	212	0
000004	APEATRAC	150	20	HLAsm	0030	48	3	00	01	212	0
000005	APEATRAC	150	21	HLAsm	0030	48	3	00	01	212	0
000006	APEATRAC	150	22	HLAsm	0030	48	3	00	01	212	0
000007	APEATRAC	150	23	HLAsm	0030	48	3	00	01	212	0
000008	APEATRAC	150	24	HLAsm	0030	48	3	00	01	212	0
000009	APEATRAC	150	25	HLAsm	0030	48	3	00	01	212	0
000010	APEATRAC	150	26	HLAsm	0030	48	3	00	01	212	0
000011	APEATRAC	150	27	HLAsm	0030	48	3	00	01	212	0
000012	APEATRAC	150	28	HLAsm	0030	48	3	00	01	212	0
000013	APEATRAC	150	29	HLAsm	0030	48	3	00	01	212	0
000014	APEATRAC	150	30	HLAsm	0030	48	3	00	01	212	0
000015	APEATRAC	150	31	HLAsm	0030	48	3	00	01	212	1
000016	APEATRAC	150	32	HLAsm	0030	48	3	00	01	212	1
000017	APEATRAC	150	33	HLAsm	0030	48	3	00	01	212	1
000018	APEATRAC	150	34	HLAsm	0030	48	3	00	01	212	1
000019	APEATRAC	150	35	HLAsm	0030	48	3	00	01	212	1
000020	APEATRAC	150	36	HLAsm	0030	48	3	00	01	212	1
000021	APEATRAC	150	37	HLAsm	0030	48	3	00	01	212	1
000022	APEATRAC	150	38	HLAsm	0030	48	3	00	01	212	1
000023	APEATRAC	150	39	HLAsm	0030	48	3	00	01	212	1
000024	APEATRAC	150	40	HLAsm	0030	48	3	00	01	212	1
000025	APEATRAC	150	41	HLAsm	0030	48	3	00	01	212	1
000026	APEATRAC	150	42	HLAsm	0030	48	3	00	01	212	1
000027	APEATRAC	150	43	HLAsm	0030	48	3	00	01	212	1
000028	APEATRAC	150	44	HLAsm	0030	48	3	00	01	212	1
000029	APEATRAC	150	45	HLAsm	0030	48	3	00	01	212	1
000030	APEATRAC	150	46	HLAsm	0030	48	3	00	01	212	1
000031	APEATRAC	150	47	HLAsm	0030	48	3	00	01	212	1
000032	APEATRAC	150	48	HLAsm	0030	48	3	00	01	212	1
000033	APEATRAC	150	49	HLAsm	0030	48	3	00	01	212	1

Press PF4 on a record.

Scroll> Csr
5....+....6....+....7....

** 2007/11/15 .demo
 libs prefixed sys1.m
 libs prefixed sys1.m
 en member
 mber

FREECYL d

FM='VB')

```

000059 <ll %user.edit.UserMacros%; where User = %user% & LastMod => %date%
000060 <eini | Edit user ini file.
000061 <lvx cbl*:** |
000062 | Calendar Prep
000063 <lval z6*
000064 <ll adcd.lib.jcl | list addcd sample jcl's.
000065 <e dra.lib.jcl(cblstr) | list all JCL files.
000066 <ld %user%.** | List files with my userid.
    
```


SELCOPY/i HFS/zFS

- Supports editing/browsing.
- Copybook structures may also be applied.
- List HFS Path
 - Includes Prefix commands on List.
 - Change filename prior to save.
- Intuitive drill down access to directories and files.
- Zoom a list entry into a new single view window.
- SELCOPY/i interfaces updated to support HFS Systems where applicable.

-HFS Path: /samples 2010/0
 View Back Forward FDB Text Refresh Help
 Command>
 HFS Path> /samples
 Recurse> NO
 CaseIgn> NO

Name	T	SzL	Modified
pe	d	320	1999/01/27 22:0

- IBM
 - .login
 - .profile
 - .tcshrc
 - ansi.ti
 - comics.lst
 - compile.c
 - complete.tc
 - copytree
 - csh.cshrc
 - csh.login
 - dc1.l
 - dc1.y
 - dc2.l
 - dc2.y
 - dc3.l
 - dc3.y
 - dec.ti
 - dterm.ti
 - example.c
 - execute.c
 - header.h
 - hfsinfo.c
 - hobbies
 - ibm.ti
 - inetd.conf**
 - init.option
 - inittab
 - magic
 - mailx.rc
 - moduli
- skutker
Line 1 of 61 Col 1

List Window

/Z19/samples/inetd.conf 32752 V HFS Size=29 Alt=0,0-+
 Command> Scroll> Csr

```

000001 ###
000002 # Internet server configuration database
000003 #
000004 # (C) COPYRIGHT International Business Machines Corp. 19
000005 # All Rights Reserved
000006 # Licensed Materials - Property of IBM
000007 #
000008 # US Government Users Restricted Rights - Use, duplicati
000009 # disclosure restricted by GSA ADP Schedule Contract wit
000010 #
000011 # /etc/inetd.conf
000012 #
000013 # Internet server configuration database
000014 #
000015 # £01=PYQ0049, HOT7705, 010130, PDJP: Correct paths
000016 # unsupported services (FIN APAR OW45915)
000017 #
000018 # Services can be added and deleted by deleting or ins
000019 # comment character (ie. #) at the beginning of a line
000020 #
000021 #=====
000022 # service | socket | protocol | wait/ | user | server
000023 # name | type | | nowait | | program |
000024 #=====
000025 #
000026 #otelnet stream tcp nowait OMVSKERN /usr/sbin/otelnetd
000027 #shell stream tcp nowait OMVSKERN /usr/sbin/orshd ors
000028 login stream tcp nowait OMVSKERN /usr/sbin/rlogind r
000029 #exec stream tcp nowait OMVSKERN /usr/sbin/orexecd o
000030 * * * End of File * * *
  
```

-HFS Path: /samples --+
 Command> Scroll> Csr

```

Filename: inetd.conf
Entry type: f
Flow Order): 1165
Timestamp: 2007/06/14 13:07:23
Permissions: rw-r--r--
Path: /Z19/samples
Owner Name: START2
Group name: SYS1
File Format: ----
Number of links: 2
FS Mode (nnn): 644
on execution: N
on execution: N
Sticky Bit: N
Number (INode): 0000014F
Device ID: 00000003
Device number: 00000000
Device number: 00000000
(High Order): 0
Owner ID: 0
Group ID: 0
Chg Timestamp: 2007/06/18 18:59:20
Created Timestamp: 2009/10/28 12:14:11
Modification Timestamp: 2007/06/18 18:59:19
Size (bytes): 1024
Attributes: .| .+
Audit byte 4: 00
Audit byte 1: 02
Audit byte 2: 02
Audit byte 3: 02
Audit byte 4: 00
r User(Owner): Y
r User(Owner): Y
r User(Owner): N
r Group .....: Y
r Group .....: N
r Group .....: N
r Others .....: Y
  
```

PF2 Zoom

Edit File

SELCOPY/i HFS/zFS

- Unix System Services CLI Commands.
 - Supports USS commands to:
 - Change Directory. (USS CHDIR)
 - Make Directory. (USS MKDIR)
 - Remove Directory. (USS RMDIR)
 - Display current working directory. (USS GETCWD)
 - Create Hard Link to an existing HFS file. (USS LINK)
 - Unlink HFS Path. (USS UNLINK)
 - Display Path. (USS REALPATH)
 - Rename File. (USS RENAME)
 - Display Path Status. (USS STAT)

SELCOPY/i Favourites

- SELCOPY/i has been made even easier to use.
 - FAVOURITES Easy Edit panel.
 - Store up to 999 entries for fast execution.
 - Entries can be commands or Files for Editing.
 - Execute using relevant number entry.
 - Default execution dependant on entry.
 - Override using panel option.

FAV - Favourite Datasets/Commands

Command/Func	: e	Project:	
DSN/Variable #:	13	Group	:
Member Name	:	Type	:
1:	LVOL CBL	2:	
3:		4:	
5:		6:	
7:	listpath /samples	8:	
9:		10:	
11:		12:	
13:	adcd.zparm.lib(ieasus8w)	14:	
15:		16:	
17:		18:	
19:		20:	
21:		22:	
23:		24:	
25:		26:	

Edit

No 13

Edits Favourite entry 13

```

ize=804 Alt=3,3;4
Scroll> Csr
+...3...+...4...+...5...+...6...+...7...
AMS Defines *** 2007/11/28 .ams
s no longer supported and silently ignored by IDCA
opy of CBL.GENDD.

```

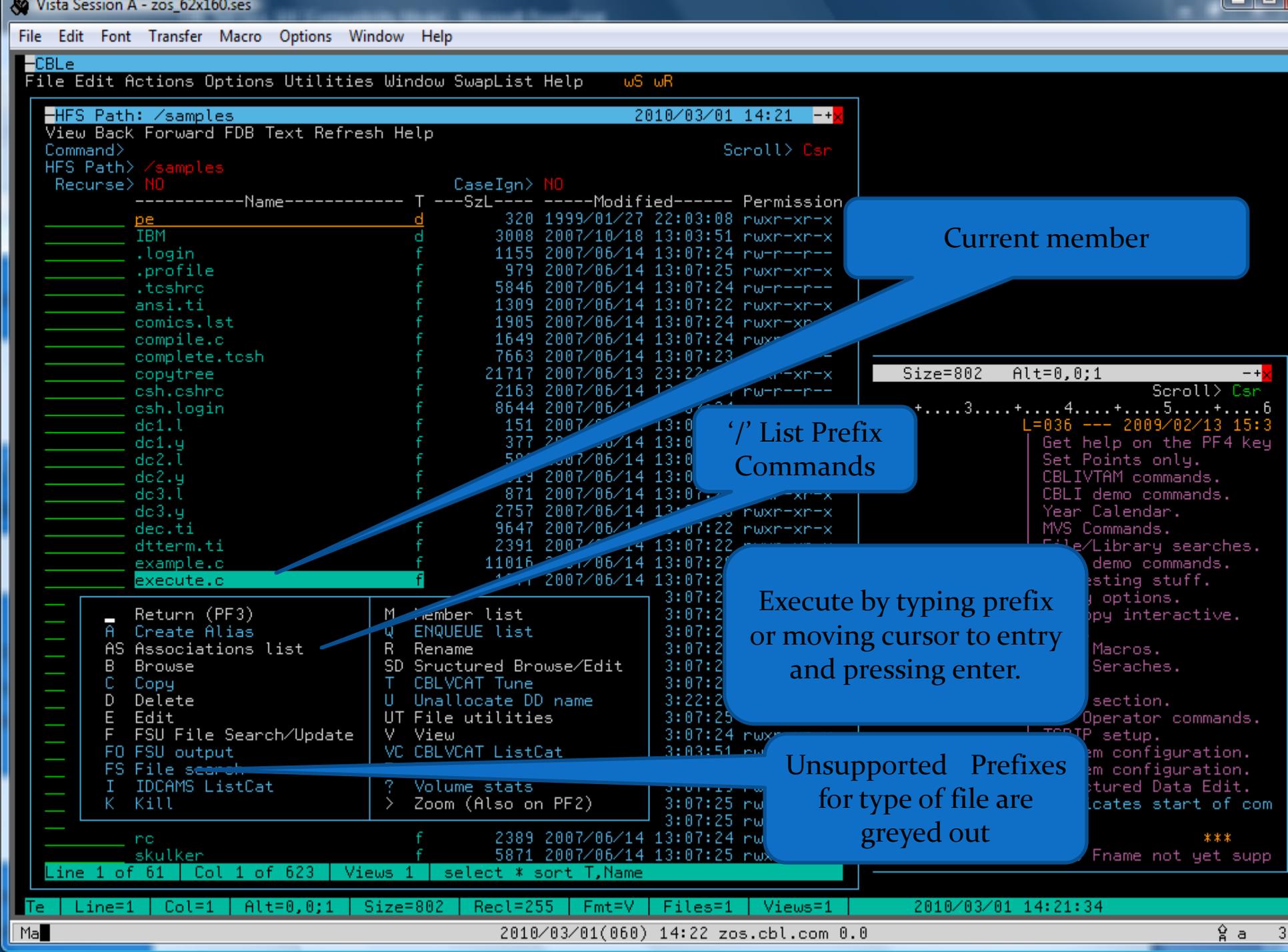
```

000216 | After running a test reorg on it, which erased the file, it cannot be
000217 | redefined with IMBED and so has been erased.
000218 <ams
000219 DEL DRA.IMBED.KSDS
000220 CLUSTER
000221 PURGE
000222 CATALOG (USERCAT.CBLCAT)
000223
000224 <ld DRA.IMBED.KSDS
000225
000226 <ams
000227 DEF CLUSTER (NAME (DRA.IMBED.KSDS)
000228 INDEXED /* KSDS */
000229 /* BUFFERSPACE ( 38912) */
000230 BUFFERSPACE ( 8704)
000231 /* RECORDSIZE ( 23, 4089) */
000232 RECORDSIZE ( 4089, 4089)
000233 SPEED
000234 NOWRITECHECK
000235 NONSPANNED
000236 /* FREESPACE ( 84, 28) */
000237 FREESPACE ( 90, 90)
000238 KEYS ( 32, 0)
000239 /* NOIMBED */
000240 IMBED
000241 NOREPLICATE
000242 SHAREOPTIONS (1,3)
000243 NOERASE
000244 UNORDERED

```

SELCOPY/i Latest features

- Also..
 - List Windows '/' Prefix command added to show prefix commands available for entry.
 - Tab to entry or type option to use.
 - FSU (File, Search and Update)
 - Updated to support HFS/zFS file systems in searches



Current member

/' List Prefix Commands

Execute by typing prefix or moving cursor to entry and pressing enter.

Unsupported Prefixes for type of file are greyed out


```

-CBL e
File Edit Actions Options Utilities Window SwapList Help  wS wR
-DASD Volumes: Z* 2010/03/01 12:33 --+x
View Back Forward FDB Text Refresh Help
Command>
Volumes> Z*
UNIT -VOL-- FREECYL FREETRK FREEXTN FREEDSCB MAXCYL- MAXTRK- VOLPCU VTO
-----
0A80 Z9RES1 586 8818 5 1107 540 8100 83
0A81 Z9RES2 568 8531 2 1038 568 8526 83
0A82 Z9SYS1 157 2480 23 1329 47 720 96
0A83 Z9RES3 587 8811 4 1342 587 8805 83
0A84 Z9USS1 232 3490 1 1423 232 3490 94
0A85 Z9PRD1 350 5279 9 1281 183 2753 90
0A86 Z9DIS1 457 6863 2 1378 457 6860 87
0A87 Z9DIS2 1313 19703 1 1255 1313 19703 61
0A88 Z9DIS3 441 6643 6 1410 441 6627 87
0A89 Z9DIS4 897 13464 1 1098 897 13464 74
0A8A Z9DIS5 165 2515 6 1195 76 1141 95
0A8B Z9DIS6 1299 19552 7 1359 544 8179 61
0A8C Z9DB81 505 7608 5 1055 505 7586 85
0A8D Z9DB82 1049 15740 1 1206 1049 15740 69
0A8E Z9DB91 766 11514 5 784 766 11490 78
0A8F Z9DB92 1808 27124 1 1289 1808 27124 46
0AE0 Z9CIC1 1977 29665 3 1226 1977 29655 41
0AE1 Z9IMS1 1089 16365 9 752 1089 16335 68
0AE2 Z9WAS1 1377 20671 3 1415 1377 20655 59
0AE3 Z9WAS2 313 4702 3 1365 313 4700 91
0AE4 Z9WAS3 1174 17610 1 1445 1174 17610 65
    
```

List Windows now have scroll controls

```

Size=802 Alt=0,0;1 --+x
Scroll> Csr
.....3.....4.....5.....6
* *
L=036 --- 2009/02/13 15:3
Get help on the PF4 key
Set Points only.
CBLI demo commands.
CBLI demo commands.
Year Calendar.
MVS Commands.
File/Library searches.
CBLI demo commands.
My testing stuff.
Query options.
Selcopy interactive.
VCAT.
CBL e Macros.
File Seraches.
SQL.
Help section.
MVS Operator commands.
TCP/IP setup.
System configuration.
System configuration.
Structured Data Edit.
(OR sign indicates start of com
.HFS .hfs *** Hierarchical File System ***
    
```

Wider Prefix area

Line 1 of 21 Col 1 of 247 Views 1 select * sort UNIT,VOL

- List
- System
- Favourites ...
- File search ...
- File search/update ...
- Calendar ...
- Calculator ...

- DASD Volumes ...
- Cataloged Files ...
- Dataset details ...
- VTOC Files ...
- VTOC Extents ...
- Allocated Files ...
- Library members ...
- Enqueues ...
- Job Enqueues ...
- HFS Dir Path ...

Additional Cascaded Menu Options

DASD Volumes: Z*

View Back Forward FDB Command>

Volumes> Z*

UNIT	-VOL--	FREECYL	FREETRK	FREEXTN	FREEDSCB	MA				U	T
0A80	Z9RES1	605	9100	6	1111					4	
0A81	Z9RES2	572	8595	2	1039	572	8590	83		29	
0A82	Z9SYS1	28	503	17	1328	9	138	99		9	
0A83	Z9RES3	587	8811	4	1342	587	8805	83		8	
0A84	Z9USS1	232	3490	1	1423	232	3490	94		2	
0A85	Z9PRD1	350	5279	9	1281	183	2753	90		12	
0A86	Z9DIS1	457	6863	2	1378	457	6860	87		5	
0A87	Z9DIS2	1313	19703	1	1255	1313	19703	61		14	
0A88	Z9DIS3	441	6643	6	1410	441	6627	87		3	
0A89	Z9DIS4	897	13464	1	1098	897	13464	74		25	
0A8A	Z9DIS5	175	2665	6	1196	76	1141	95		18	
0A8B	Z9DIS6	1299	19552	7	1359	544	8179	61		7	
0A8C	Z9DB81	505	7608	5	1055	505	7586	85		28	
0A8D	Z9DB82	1049	15740	1	1206	1049	15740	69		17	
0A8E	Z9DB91	856	12857	4	800	856	12840	75		45	
0A8F	Z9DB92	1808	27124	1	1289	1808	27124	46		12	
0A90	Z6RES1	67	1044	9	1021	67	1005	98		30	
0A91	Z6RES2	224	3412	11	1056	222	3343	94		28	

Line 1 of 37 Col 1 of 241 Views 1 select * sort UNIT,VOL

255 V SEQ Size=803 Alt=0,0;1

```

Scroll> Csr
.1....+....2....+....3....+....4....+....5....+....6....+....7....
P
R6
*** My DEMO Stuff *** 2007/11/15 .demo
.m list all libs prefixed sys1.m
.m list all libs prefixed sys1.m
.maclib(open) edit open member
cmx(sde) edit open member
ta
l
lmct

```

```

000045 <lvol z*
000046 <lvol z*; where SMS=N & FREECYL >= 1000 sort FREECYL d
000047 <fs SYS1.maclib(d*) 'mnote'
000048 <em firstuse
000049
000050 <e cbl.cmx(jge); setpt 68 100; .Cal
000051 <e cbl.cmx(jge);
000052 <e cbl.cmx(nbj);
000053 <e cbl.cmx(sde);
000054 <e cbl.cmx(racf);
000055 <e cbl.cmx(firstmvs)
000056 <e cbl.dist.*bli.cmx(sde)
000057 <ll dra.lib.jcl
000058 <ld cbl.dist
000059 <ll cbl.jcl(s*)
000060 <ll cbl.cmx
000061 <ld sys1; where ORG=P0 and (RECFM='V' or RECFM='VB')
000062 <ll %user.edit.UserMacros%; where User = %user% & LastMod => %date%
000063 <eini | Edit user ini file.
000064 <lvx cbl:**
000065 | Calendar Prep
000066 <lvol z6*

```

Miscellaneous

- These slides provide only a limited sample of SELCOPY's Structured Data Edit.
- Browse to www.cbl.com to:
 - Download manuals.
 - Links to Training Partners.
- CBL support is free to all licensed customers.
 - We welcome any feedback.

SELCOPY/i - Interactive

Thank You

Monday, March 01, 2010

David Austin
Technical Liaison Manager
Compute (Bridgend) Ltd

The logo for CBL, consisting of the letters 'CBL' in a stylized, handwritten font.