



New Features
SELCOPY/i Release 1.80
IBM Mainframe z/OS, VSE & VM/CMS Systems

8 Merthyr Mawr Road, Bridgend, Wales UK CF31 3NH

Tel: +44 (1656) 65 2222
Fax: +44 (1656) 65 2227

CBL Web Site - <http://www.cbl.com>

This document may be downloaded from <http://www.cbl.com/cblidoc.html>

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SELCOPY/i 1.80 New Features

Documentation Notes

Information in this New Feature List reflects differences between SELCOPY/i 1.70 and SELCOPY/i 1.80, the interactive components of SELCOPY and CBLVCAT.

The **CBL Product Bundles** for MVS, CMS and VSE operating systems which include SELCOPY, SELCOPY/i and CBLVCAT are available for download and install from <http://www.cbl.com/cblidl.html>.

The *SELCOPY/i Update Guide*, *SELCOPY/i Reference and User Guide*, *SELCOPY/i Editor Editor (CBLe) Manual*, *SELCOPY/i Structured Data Editor Manual* and this *SELCOPY/i New Features* document are available in Adobe Acrobat PDF format at CBL web page <http://www.cbl.com/cblidoc.html>.

The **CBL Products Installation Guide** and **New Features** documents are available in Adobe Acrobat PDF format at CBL web page <http://www.cbl.com/selcdoc.html>.

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At the time of publication, this document is believed to be correct. CBL do not warrant that upward compatibility will be maintained for any use made of this program product to perform any operation in a manner not documented within the user manual.

The following generic terms are used throughout this document to indicate all available versions and releases of IBM mainframe operating systems:

- MVS** - z/OS, OS/390, MVS/ESA, MVS/XA, MVS/SP, OS.
- VSE** - z/VSE, VSE/ESA, VSE/SP, DOS.
- CMS** - z/VM, VM/ESA, VM/XA, VM/SP.
- All** - All IBM mainframe operating systems and releases.

Section 01: Important Changes

MVS: SDE Multi-Volume Data Set Support

SELCOPY/i 1.80 addresses structured data support for BROWSE and EDIT of multi-volume non-VSAM data sets.

Note that SDE BROWSE and EDIT already supports multi-volume VSAM data sets and striped data sets. Likewise, EDIT and VIEW of multi-volume sequential data sets via the CBL text editor is already supported.

In previous releases, SDE BROWSE and EDIT of a multi-volume sequential data set would return the following SDE message:

```
SDE153E Multi-volume datasets are not supported in this release of CBL Structured Data Environment.
```

The SDE Auxiliary data set, used when full EDIT is requested but not enough virtual storage is available to load the entire file, is allocated with a MAXVOL value equivalent to that of the sequential data set to be edited.

MVS: SDE SET/QUERY/EXTRACT RECINFO Updated

RECINFO controls the display of the standard record information columns for records in the current SDE window view.

In conjunction with the enhanced SDE support introduced in SELCOPY/i 1.80, the display of record id information has been updated to include a "Vol" header for multi-volume non-VSAM data sets only.

Specifically, RECINFO ON ID will include display of the record identification column.

For non-VSAM data sets, the record identification is by Relative Volume, Track and Physical Record number (TTR) followed by an offset within the physical record. The columns are displayed as decimal or hexadecimal values with headers "Vol" (if multi-volume), "TTR" and "Offset". If the data set is single volume, the "Vol" header is unnecessary and so omitted.

```

CBL - Browse CBL,CBLI,MBRLIST,SEQ,BIG,MULTI using NBJ,CBLI,SDO(MBRLISTR)
File Edit Actions Options Utilities Window SwapList Help wS wR
Command>
Record type: Source V(159,255) Offset=0
Flags LRecL Vol TTR Offset SlotNo Member Ver RecNo
#3 #4 #5 #6
BN 1:4 AN 5:8 ZD 13:3 BN 16:4
<---+---1> <---+---> <-> <---+---1>
159580 f 247 2 239 2 26172 159580 CNVLMMAIN 150 952
159581 f 247 2 239 2 26423 159581 CNVLMMAIN 150 953
159582 f 247 2 239 2 26674 159582 CNVLMMAIN 150 954
159583 f 254 2 239 2 26925 159583 CNVLMMAIN 150 955
159584 f 254 2 239 2 27183 159584 CNVLMMAIN 150 956
159585 f 254 2 239 2 27441 159585 CNVLMMAIN 150 957
159586 f 253 2 239 2 27699 159586 CNVLMMAIN 150 958

Record type: DCDS V(57,7012) Offset=0
Flags LRecL Vol TTR Offset SlotNo Member Ver RecNo
#3 #4 #5 #6
BN 1:4 AN 5:8 ZD 13:3 BN 16:4
<---+---1> <---+---> <-> <---+---1>
159587 f 104 3 0 1 8 159587 CNVLMMAIN 150 959

Record type: Source V(159,255) Offset=0
Flags LRecL Vol TTR Offset SlotNo Member Ver RecNo
#3 #4 #5 #6
BN 1:4 AN 5:8 ZD 13:3 BN 16:4
<---+---1> <---+---> <-> <---+---1>
159588 f 253 3 0 1 116 159588 CNVLMMAIN 150 960

Record type: DCDS V(57,7012) Offset=0
Flags LRecL Vol TTR Offset SlotNo Member Ver RecNo
#3 #4 #5 #6
BN 1:4 AN 5:8 ZD 13:3 BN 16:4
<---+---1> <---+---> <-> <---+---1>
159589 f 104 3 0 1 373 159589 CNVLMMAIN 150 961

Record type: Source V(159,255) Offset=0
Flags LRecL Vol TTR Offset SlotNo Member Ver RecNo
#3 #4 #5 #6
BN 1:4 AN 5:8 ZD 13:3 BN 16:4
<---+---1> <---+---> <-> <---+---1>
Se Line=159580 Col=1 Alt=0,0;0 Size>160118 Recl=1725 Fmt=V Files=

```

Figure 1. RECINFO Columns Including Relative Volume.

All: List Window Command Prefix Area

The length of the prefix area of a List type window has been extended to eight characters (previously 2 characters.) As before, the prefix area contains underscore characters to indicate that it is enterable.

For any list type window that supports edit of a file entry (prefix command "E"), commands, macros or procedure names may be entered in the prefix area. In this case, where the command entered in the prefix area is not one of the standard prefix commands, it is passed back to the invoking environments in the following order, and processed by the first in which the command is recognised.

1. CBL text edit, if the list window is a CBL List document window. (i.e. CBL synonym, command or macro name.)
2. SELCOPY/i. (i.e. CBLi command.)
3. TSO, if SELCOPY/i is started in ISPF or native TSO. (i.e. TSO command, CLIST or EXEC.)

The full DSN of the entry for which the command is executed, is passed as the input parameter to the command.

Section 02: New Facilities

MVS: File Copy Utility

SELCOPY/i 1.80 introduces the FCOPY utility which supports copying from a data set of any DSORG/RECFM to a new or existing data set which may be of a different DSORG/RECFM.

Additional features include the ability to:

1. Specify a subset of records to be copied by referencing the first record and number of records to be copied.
2. Append or overwrite copied records to an existing data set.

To accomplish this, FCOPY generates control statements to be used as input to the SELCOPY load module. The user can select that FCOPY load and execute SELCOPY in the foreground to perform the copy immediately or generate job JCL, suitable for submission to batch, and display it in a CBL text edit view.

Generating a batch job stream gives the user the opportunity to edit the SELCOPY control statements to further sophisticate the copy procedure. Samples of job enhancements may be:

1. Concatenate additional source data sets so merging records from multiple data sets (potentially of different DSORG).
2. Add additional output data sets so making multiple copies of the original data set.
3. Add further record selection criteria based on record contents.
4. Select only subsets of individual record data to be copied.

If FCOPY executes SELCOPY in the foreground, then on completion of the copy the SELCOPY SYSPRINT diagnostic output report is displayed in a CBL text edit view. Common SELCOPY return codes are:

00	Successful completion.
04	End of input data set not reached. This is acceptable and occurs if a subset of records are copied that does not include the last record of the data set. i.e. All selected records are copied before end of the source data set is reached.
05	Truncation of records has occurred when copying to the destination data set. This occurs when the allocated LRECL of the destination data set is smaller than the longest record copied from the source data set.
12	A Duplicate or Sequence error has occurred. This is most likely to occur when copying data to an existing KSDS data set with append and a record is copied with a key that already exists in the destination data set.
16	No records copied. This occurs if no records are selected for copy. e.g. Selecting a start record that is greater than the number of records in the data set.

Please refer to the "*SELCOPY User Manual*" for detailed information on SELCOPY syntax, SYSPRINT output report (Selection Summary), Error Messages and Return Codes.

HFS paths are not yet supported by the File Copy utility.

File Copy Dialog Window

The File Copy dialog window may be opened via the following:

- Execute the command FCOPY from the command line of any window.
- Execute the prefix command "C" against a non-PDS(E) data set entry in a file List type window (excluding Library Member Lists.) Prefix command "C" will invoke the IEBCOPY dialog for member list entries and PDS(E) data set entries.

Select button or menu items "Copy" to perform a foreground execution of SELCOPY to action the copy or "JCL" to generate a SELCOPY batch job stream in a CBL text edit view.

On selecting "Copy" or "JCL", a check is made to determine whether the "From" and "To" DSNs are existing, cataloged data sets with the following results. (Note that the File Copy utility does not support uncataloged data sets.)

1. If the "From" data set does not exist, the user is prompted to re-enter a different DSN.
2. If the "To" data set does not exist, the user is prompted to identify the DSORG of the new data set (NONVSAM, KSDS, ESDS or RRDS) before being presented with the "Allocate non-VSAM" or "Define VSAM" dialog window as appropriate.

If the selected DSORG is equivalent to that of the "From" data set, then the new data set dialog window will contain values modelled on the "From" data set. Even where the DSORG is different, dialog Record Length fields will contain an appropriate value determined from the "From" data set.

A zero (0) Record Length value in the "Allocate non-VSAM" dialog is acceptable. If a "To" data set has zero (undefined) LRECL, it will be updated to be equal to that of the "From" data set during the SELCOPY execution.

If "JCL" is selected, the user can issue "JOB CARD" to insert a skeleton JOB statement, before executing SUB to submit the job to batch.

Note: Unless already positioned on one of the window buttons (Copy, JCL, or Help), <Enter> will first position the cursor on the "Copy" button, <Enter> a second time will select (press) the button to action the command.

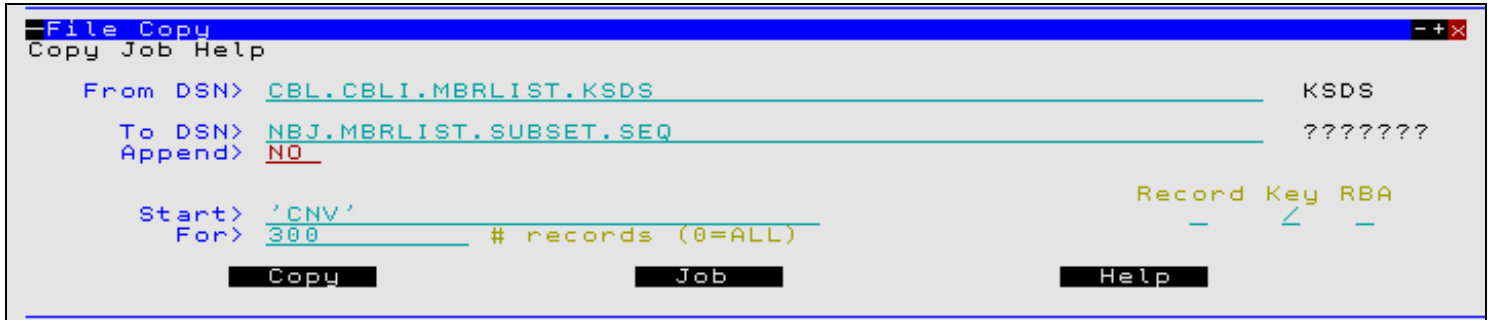


Figure 2. File Copy Dialog Window.

Field Entries:

By default, field entries are populated with arguments and options that were entered the last time the File Copy dialog window was used. The current value of each field is stored as a CBLiINI variable when focus is removed from the dialog window. These variables are subsequently saved under the DIALOG section of the USER CBLiINI data set when the CBLi session is ended normally.

From DSN

Identify the existing, cataloged data set from which records are to be copied. The DSORG of the data set is displayed on the right of the DSN.

To DSN

Identify a new or existing, cataloged data set to which records are to be copied. If the file exists, the DSORG of is displayed on the right of the DSN otherwise question marks ('?') are displayed until the data set is created.

Append

Valid entries are YES or NO.

YES indicates that records are to be appended to any records that may already exist in the "To" data set. NO indicates that any existing records are to be overwritten.

If the DSORG of the "To" data set is VSAM, selecting NO will overwrite existing records only if the data set is defined as being reuseable. (i.e. IDCAMS DEFINE REUSE) An attempt to overwrite records in a VSAM data set defined with NOREUSE will give a VSAM open error and RC=48 from SELCOPY.

Selecting YES will append records to the end of the data set unless it is a VSAM KSDS file. For VSAM KSDS records will be written to their correct key positions within the data set. If an attempt is made to copy a record with a key that already exists, then a Duplicate Key error occurs and RC=12 is returned from SELCOPY. Note, however, that records successfully written prior to the duplicate key remain and the copy continues so that further records may be copied to the data set.

Start

Identifies the record within the "From" data set at which copying is to begin. All records prior to this record are not copied.

If no value is entered records are copied from the start of the data set.

Depending on the selected start criteria (Record, Key or RBA), the start argument may be an unquoted decimal integer or hex value, a quoted or unquoted alphanumeric character string ('ABC1', "ABC1") or a hex string (x'C1F4'). Note that an unquoted string will automatically be upper cased.

Record

Enter '/' in the check box below Record to indicate that the start argument is a record number. The start argument must be specified as a decimal integer and is suitable for "To" data sets of any DSORG.

Key

Enter '/' in the check box below Key to indicate that the start argument is a VSAM KSDS key. The start argument may be specified as a character or hex string.

RBA

Enter '/' in the check box below RBA to indicate that the start argument is an ESDS Relative Byte Address. The start argument may be specified as a decimal or hex integer value.

FOR Specifies the maximum number of records to be copied.

A zero (0) value indicates that no maximum is imposed and all records following and including the start record will be copied.

FCOPY Command

Syntax:

```
>>--- FCopy -----+-----+-----><
                   |         |
                   +--- from_dsn ---+
```

Description:

Use the FCOPY command to open the **File Copy** dialog window and optionally populate the "From DSN" field with the source data set name.

Parameters:

from_dsn The DSN of the data set to be copied.

Examples:

```
fcopy CBL.SEV.X628263.REPORT
Open the File Copy dialog window and populate the "From DSN" field with CBL.SEV.X628263.REPORT.
```

MVS: Cataloged Associations

Individual catalog entries may have an association with other entries in the catalog. For example, a VSAM cluster entry will be a single element of a sphere of associated objects that constitute the definition of a VSAM data set.

SELCOPY/i 1.80 introduces the Associations list window to display all cataloged entries with which the selected entry or entries are associated.

Associations List Window

The Associations List window may be opened via the following:

- Select 'Associations' from the LIST menu in the CBLi Main Menu.
- Enter the CBLi command **LAS** on the command line of any window.
- Enter the prefix command **AS** against a data set item in a list type window.

The Associations List window displays all components associated with the selected cataloged entries. e.g. A VSAM Cluster entry may display its Data, Index and any Alternate Index objects with which it is associated.

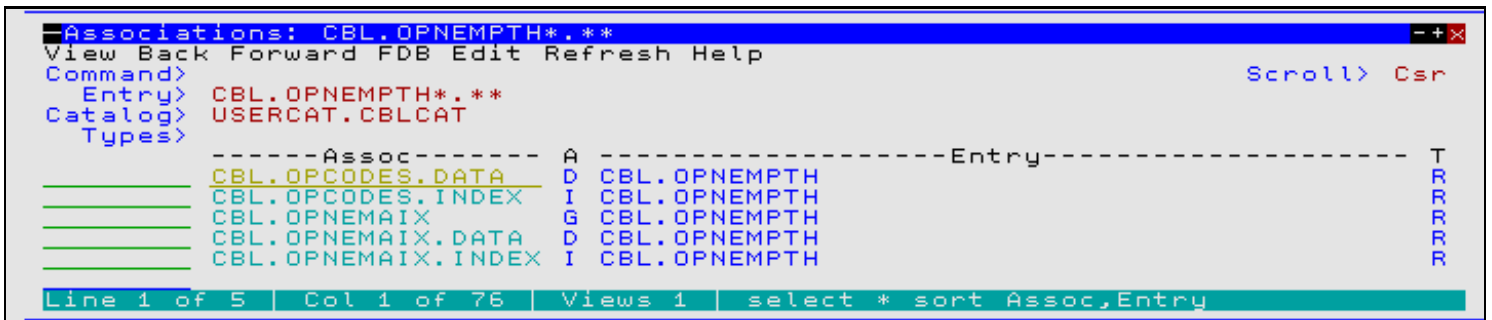


Figure 3. Associations List Window.

Entry>

Specify the fileid mask that includes at least one cataloged object.

The fileid mask represents a DSN mask that supports the following wild cards:

- * A single asterisk represents a DSN qualifier, or zero or more characters within a DSN qualifier.
- ** A double asterisk represents zero or more qualifiers within a DSN. Double asterisk must be preceded or followed by either a "." (dot/period) or a blank. It cannot precede or follow an alphanumeric character.
- % A single percent sign represents exactly one character, other than "." (dot/period), within a DSN qualifier. Up to 8 percent signs can be specified in each qualifier.

If the last character of the fileid mask is "." (dot/period), then this marks the end of the low level DSN qualifier within the fileid mask. The trailing "." is stripped and no wildcard string is appended to the fileid mask. e.g.

```
DEV*.           becomes: DEV*
DEV.OEM.TRSPAN*. becomes: DEV.OEM.TRSPAN*
DEV.*.*SAMP%%. becomes: DEV.*.*SAMP%%
```

If the last character of the fileid mask is **not** "." (dot/period), then a default trailing wild card string is automatically appended to the fileid mask as follows:

1. If the fileid mask is a single qualifier or the last character of the fileid mask is "*" (asterisk), then a wildcard string of ".*" is appended. e.g.

```
DEV           becomes: DEV.*
DEV*         becomes: DEV*.*
DEV.OEM.TRSPAN* becomes: DEV.OEM.TRSPAN*.*
DEV.*.*SPA*  becomes: DEV.*.*SPA*.*
```

2. Otherwise a wildcard string of ".*" is appended. e.g.

```
DEV.OEM.TRSPAN      becomes: DEV.OEM.TRSPAN*.*
DEV.*.*SPA%         becomes: DEV.*.*SPA%*.*
SYS1.*.Z19          becomes: SYS1.*.Z19*.*
```

Note that a warning message is displayed if the high level qualifier of the fileid mask is "*" (asterisk) or "**" (double asterisk). A fileid mask of this type would result in all catalogs being searched which would take some time to execute and would use a large amount of system resources.

Catalog>

Nominate a specific catalog in which to search for the requested entry.

This is a catalog DSN. Specifying a catalog DSN is unnecessary if an alias exists for the fileid mask high level qualifier (HLQ) in the master catalog. In this case, the appropriate catalog DSN will automatically be inserted in this field. If the HLQ contains a wild card, then all matching aliases are interrogated, the required catalogs are searched and the DSN of the last catalog searched is placed in the Catalog> field.

Types>

Specify the catalog entry types for which associations will be reported. Default is all types. One or more of the following types may be specified with no intervening blanks:

A	non-VSAM (or VSAM SAM) data set.
B	MVS - Generation data group.
C	Cluster.
G	Alternate Index.
H	MVS - Generation data set.
R	VSAM PATH.
X	Alias.
U	User catalog connector entry.
L	MVS - Tape volume catalog library entry.
W	MVS - Tape volume catalog volume entry.

Prefix Line Commands

The following prefix line commands are available:

Command	Description
(blank)	Prefix line command VA. (The ENTER key must be pressed with the cursor on the line containing the PDS).
AS	Open an Associations list window to list associated objects for this entry.
B	Open the CBL text editor to to perform SDATA BROWSE on the entry.
C	Copy the entry.
D	Delete the entry. User will be prompted to verify the deletion.

E	Open the CBLc text editor to edit this entry.
F	Open the FSU - File Search/Update Window to perform an advanced search and optionally update the contents of the entry.
FO	Open an SDE view to display (browse) the entry as output from the FSU - File Search/Update Window.
I	Open an IDCAMS Command window and issue an IDCAMS LISTCAT for the entry.
K	Delete (Kill) the entry without prompting for verification.
M	If the entry is a PDS/PDSE, open a Library List window. (Default)
Q	List dataset enqueues (major name SYSDSN) for this entry.
R	Rename the entry.
SD	Open the SDE BROWSE/EDIT Dialog Window to browse or edit the entry's data within a Structured Data Environment window view.
T	Open an Execute CBLVCAT window and issue a LISTVCAT TUNE DEFINE operation for the entry.
UT	Opens the general file utilities menu to ultimately generate specific line commands in a temporary CMX file.
V	Open the CBLc text editor to View (edit read/only) this entry.
VC	Open an Execute CBLVCAT window and issue a LISTVCAT operation for the entry.
Z	Perform a compress of an MVS PDS library to reclaim disk space occupied by replaced (back-level) members. This action performs an IEBCOPY to itself. No action is taken for PDSE entries, however, the IEBCOPY dialog is opened with an error message if executed against any non-PDS(E) entry.
?	Open the volume statistics window for the volume containing the entry.
/	Open a drop down menu containing valid prefix command functions for the list window entry. Position the cursor on the required function and hit <Enter> to action the command. Assigned to PF4 by default.
>	Open a new window containing a zoomed vertical display of the entry's fields. Particularly useful for list windows that have a large number of displayed columns. Assigned to PF2 by default.

Columns Displayed

The data displayed is:

Name	Type	Description
Assoc	Char	Associated entry name
A	Char	Associated entry type code
Entry	Char	Entry name
T	Char	Entry type code

LAS Command

Syntax:

```
>>--+ LAS -----+----->>
|
|+ LASSOC -----+--+ entry -----+
|
|+ LISTASSOC -----+          +-+ catalog -----+
|
|+ LISTASSOCIATIONS -----+          +-+ types +-+
|
```

Description:

The LAS (List Associations) command may be used to open an **Associations List** window for cataloged entries and optionally select entries for which associated objects will be displayed.

By default, the associated object name for a selected catalog entry is displayed in the first column. For example, if the selected entry is a VSAM CLUSTER object, a separate list entry may exist for its associated DATA, INDEX and ALTERNATE INDEX objects. Similarly, if the selected entry is a DATA object, a list entry will exist for the associated CLUSTER object but not an INDEX object which is associated with the CLUSTER, not the DATA object.

The Associations List window may also be opened via the List menu of the SELCOPY/i main window menu bar.

Parameters:*entry*

Specifies the fileid mask used to select cataloged entries, which is placed in the Entry field of the Associations List window.
See description of the Entry field in *Associations List Window* above.

catalog

Specifies the catalog in which to search for the requested entry.

This is a catalog DSN. Specifying a catalog DSN is unnecessary if an alias exists for the fileid mask high level qualifier (HLQ) in the master catalog. In this case, the appropriate catalog DSN will automatically be inserted in this field. If the HLQ contains a wild card, then all matching aliases are interrogated, the required catalogs are searched and the last catalog searched placed in the Catalog> field.

An "*" (asterisk) may be specified to imply the default catalog name. This need only be specified if the *types* parameter is to be used.

Default is the master catalog.

The *catalog* string is placed in the Catalog field of the Associations List window.

types

Specifies the catalog entry types used to filter selection of cataloged entries. (Default is all types.)
See description of the Types field in *Associations List Window* above.

Examples:

```
lva CBL.%%C
    List associations for cataloged entries matching the fileid mask "CBL.%%C*.*".

lva CBL.** * A
    List associations for non-VSAM cataloged entries matching the fileid mask "CBL.**". (This will display defined ALIAS
    names for non-VSAM data sets.)

lva NBJ * H
    List associations for GDG data sets matching the fileid mask "NBj*.*". (This will display the GDG Base name for each
    selected GDG data set.)

lva NBj.**.X232. * R
    List associations for VSAM PATH entries matching the fileid mask "NBj.**.X232".
```

CBLi LIST Command Updated**Syntax:**

```
>>-- LIst -- listtype -- /listparms/ --+-----+-----+-----+-----+----->
|                                     | | | | |
| +- STEM rexx_stemvar +- +- STRIP +- | | | | |
|                                     | | | | |
| +- FILE filename -----+         | | | | |
|                                     | | | | |
+- Lines ----+
| | | | |
>--+-----+-----+-----+-----+-----><
| | | | |
+- Columns +- +- SUBset /select_clause/ +- +- CASEIgn +- +- RECURSE +- | | | | |
```

Description:

LIST extracts rows of data returned from various CBLi LIST type commands and either places the output in a temporary edit view or assigns the fields to REXX compound variables for use in a CBLi REXX macro.

The LIST command has been enhanced to support Associations for cataloged entries list output.

Parameters:*listtype*

The CBLi list type function to extract. The following has been added in SELCOPY/i 1.80:

LAS ASSOCIATIONS	List Associations for cataloged entries.
--------------------	--

MVS: SDE COBOL & PL/1 ADATA Support

COBOL and PL/1 copy books that have been compiled using the following compiler options, generate ADATA output.

ADATA	COBOL compiler option.
XINFO(SYN.SYM)	PL/1 compiler option.

In order to perform SDE edit (i.e. edit of data set records mapped by a COBOL or PL/1 copy book), SELCOPY/i must first generate an SDE structure data object (SDO) from the the specified copy book. The SDO is then referenced on the SDE edit and used to structure the record data into individual fields.

SELCOPY/i 1.80 introduces support to generate an SDO from an existing ADATA data set. Using an already generated ADATA output reduces the inevitable overhead that occurs if SELCOPY/i itself has to re-compile a copy book in order to create the SDO.

SDE Edit Dialog Window Updated

The Structured Edit dialog window generates an SDE **CREATE STRUCTURE**, **BROWSE** or **EDIT** command to generate an SDO from an existing COBOL or PL/1 copy book or ADATA file and optionally open an SDE window view to display formatted record data in the current CBL frame window.

This dialog winow has been updated so that the "USING Copybook" field title supports specification of the type of copy book specified. (Valid entries are: COBOL, PL1 or ADATA.)

ADATA indicates that the SDO is to be generated from existing ADATA output from a COBOL or PL/1 copy book compile.

```

SDE - Structured Data Browse/Edit
Run(PF4) GenerateCLI(PF2) Help
Browse/Edit using a Structure Definition (Copybook layout)

INPUT Fileid: CBL.DIST.CBLI.SDE.SAMP.VAR(DATSALES)
      or
      DSN:
      Member:
      HFS Recfm: _ V-Fmt/EOL:
      Lrecl:

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

Enter "/" to activate each of the options below.      Record Key RBA
FROM:
FOR: # records (Note: Must have storage for this many records)

Specify optional structure (Copybook) overlay ...
USING (SDO) Structure: NBJ2.CBLI.SDO(MAPSALES)
or
USING ADATA Copybook : CBL.DIST.CBLI.SDE.SAMP.F80(ADASALES)
Default Record-Type: (If no LEV-01 entry)
(Press PFS to generate SDO from Copybook)
Window Rows: x Columns:
  
```

Figure 4. Structured Edit Dialog Window.

If the data set name in the edit view references CBLLe environment variables, JCL symbolic parameters or MVS system symbols, then they will be resolved by the DSN command before the requested action is taken. Note that, to resolve JCL symbolic parameters, the JCL SET statement must exist within the edited data.

Parameters:

/ Display the DSN Cursor Fileid Utilities Menu. This allows the user to select the action to be taken against the data set name.

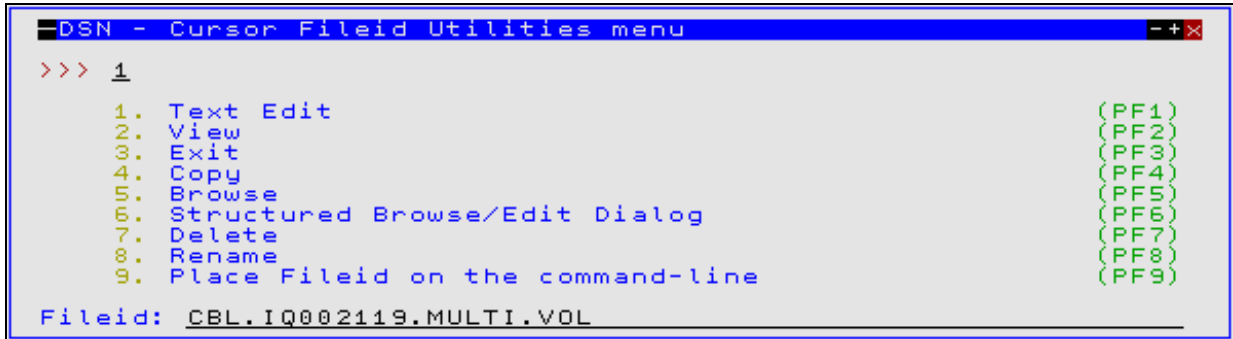


Figure 5. DSN Cursor Fileid Utilities Menu.

B Open an SDE window view to browse the data set.

K Generate an ERASE command for the data set name and place it on the command line. Note that the ERASE command is not executed immediately and the command verb at the command prompt will have the first character overtedyped with "*" to avoid unintentional execution of the ERASE by the user.

R Generate a RENAME command for the data set name and place it on the command line. Note that the RENAME command is not executed immediately.

X Open a CBLLe text edit window view to edit the data set.

MVS: CBLi Define Catalog ALIAS Dialog Window

The Define Catalog ALIAS Dialog window may be opened via the following:

- Select 'Define Catalog ALIAS' from the FILE menu in the CBLi Main Menu.
- Enter the CBLi command 'AMSDIALOG -ALIAS' on the command line of any window.
- Enter the List window prefix command "A" against a non-VSAM data set list entry.

The Define Catalog ALIAS dialog provides a simple interface for the user to supply IDCAMS DEFINE ALIAS characteristics for a new alias name. Aliases may be defined for non-VSAM data sets and, if the user has sufficient authority, user catalogs. Compare with the **Create Library ALIAS** dialog window which creates PDS/PDSE library member aliases.

Select the appropriate button or menu bar item (see below) to define the new entry.

Fields within this dialog represents the relevant IDCAMS DEFINE ALIAS parameters as appropriate for the entry being defined. Please refer to *"DFSMS Access Method Services for Catalogs"* for further information.

The **Symbolic**> field entry may be "Y" or "N" to indicate that the **Relate**> field is a SYMBOLICRELATE containing system symbols (i.e. an Extended ALIAS.) See *"DFSMS Managing Catalogs"* for further information.

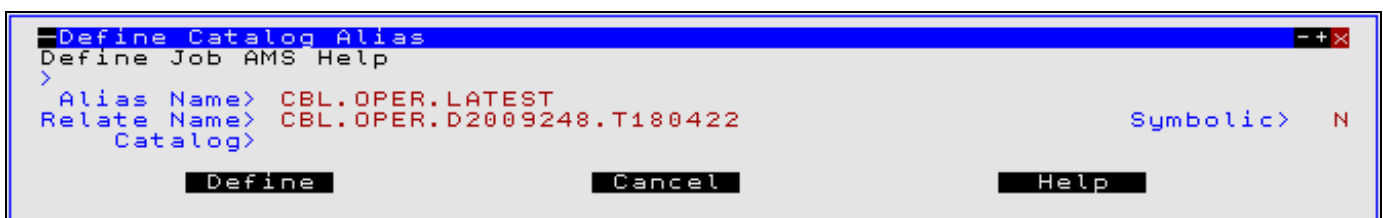


Figure 6. Define Catalog ALIAS Dialog window.

The Define Catalog ALIAS window has the following menu items:

Define	Start the VSAM object definition. (Foreground)
Job	Creates and edits the IDCAMS DEFINE statement including job control ready for submission to batch. (See CBLi command SUBMIT .) (Background)
AMS	Opens a CBLi edit view containing generated AMS command syntax to perform the IDCAMS DEFINE. Execute by placing the cursor on the first line of the command and hitting <PF4> The command may be copied to the user's HOME command centre for future reference.
Help	Open the help window for the Define Catalog ALIAS dialog window.

MVS: AMSDIALOG Command

Syntax:

```

>>--- AMSDialog ---+--- Ksds -----+
                    |                               |
                    +--- Esds -----+
                    |                               |
                    +--- Rrds -----+
                    |                               |
                    +--- Lds -----+
                    |                               |
                    +--- ALias -----+

```

Description:

Use the AMSDIALOG command to open the appropriate **Define VSAM** dialog window or **Define Catalog ALIAS** dialog window.

Parameters:

KSDS
ESDS
RRDS
LDS
ALIAS

Specifies the type entry of Define dialog window to open.
Default is Define VSAM KSDS.

Examples:

AMSD ESDS
Open the Define VSAM ESDS dialog window.

AMSD ALIAS
Open the Define Catalog ALIAS dialog window.

Section 03: Other Changes

All: MDI Help & Dialog Windows

All dialog windows and Help windows have been updated so that they may be opened as view (child) windows within an MDI frame window. (i.e. within the CBL e text editor frame or SELCOPY Interactive Debug frame.)

This bypasses the requirement to place focus outside the working application in order to toggle between a help window and the edit document window in which the user is working.

If invoked from outside an MDI application, these types of window will open as child windows of the main SELCOPY/i window as in previous releases.

MVS: Allocate Non-VSAM Dialog Window Updated

The Allocate nonVSAM window allows the user to supply characteristics for a new cataloged non-VSAM data set, then select the Allocate button or the Define menu item to action the allocation.

Fields within these dialogs represent the relevant TSO ALLOCATE or JCL DD statement parameters as appropriate for a new cataloged non-VSAM data set. Please refer to the "TSO/E Command Reference" and "MVS JCL Reference" for further information.

This dialog window has been updated to include the **MaxVol**> field to specify the maximum number of volumes that the data set requires. This is equivalent to the TSO ALLOC MAXVOL parameter or DD VOLUME volume-count parameter.

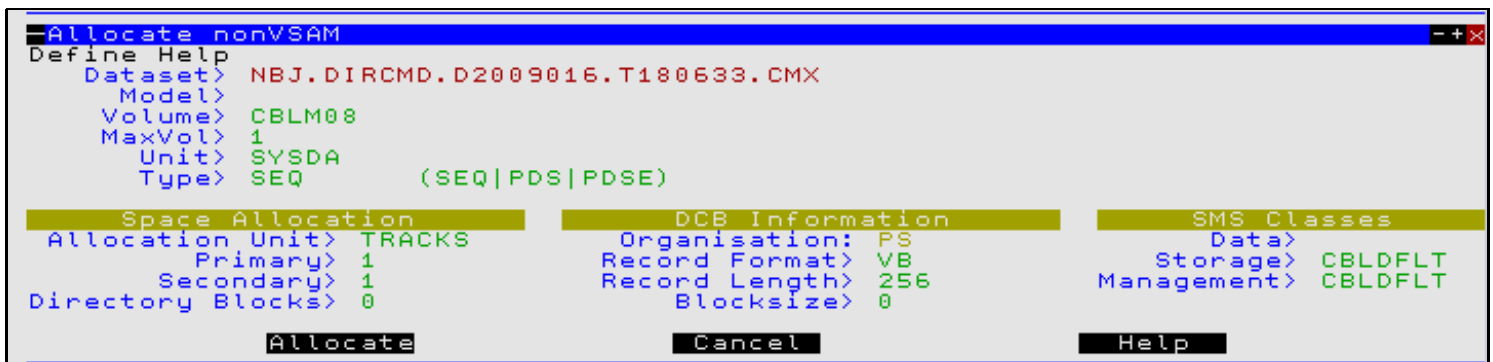


Figure 7. Allocate nonVSAM window.

MVS: CBL e ALLOC Command Updated

```
>>-- ALLOCate --+-----+-----+-----+-----+-----+-----+<<
|
|+- -Cat ---+ +-- allocparms ---+
|
|+- -FREE --+
|
```

Description:

ALLOCATE allows users to allocate files whether or not a TSO environment is available. The syntax of the command closely matches that of the TSO ALLOCATE command so most ALLOCATE commands, executed without TSO as a prefix, will give the same results.

The ALLOCATE command has been updated so that, if executed with no parameters, the **Allocate Non-VSAM** dialog window will be invoked.

All: CBL e SET/QUERY/EXTRACT SYNONYM Updated

```
>>-----SYNonym  name  action-----<<
|          |          |
+- SET -+          |  n_abbrev  |
          |          |
+----- ON ----- NOSPECIAL -----+
|          |          |
+- OFF -+  +- SPECIAL -+

```

Description:

One function of the SET SYNONYM command is to control whether or not CBL e synonym processing will occur.

With SYNONYM ON, CBL e checks any command verb to be executed as being a defined synonym name. The exception to this is when the command issued is done so via a CBL e macro. In this case, the SYNEX command must prefix the command to be executed in order to force CBL e's synonym processing.

With SYNONYM OFF, no synonym checking occurs.

If the command verb being executed is a defined synonym then, by default, a blank is appended to the equivalent *action* character string unless it ends with a special character and SYNONYM ON SPECIAL is in effect.

Added Parameter:

NOSPECIAL
SPECIAL

Indicates whether or not a non-alphanumeric (special) character, as the last character of an *action* character string, is to be treated as SPECIAL in which case, a blank will **not** be automatically appended to the defined action string. Default is NOSPECIAL.

MVS: ERASE Command Updated

Syntax:

```
>>-- ERase ----- fileid -----<<
|          |
+- valid ----- : -----+

```

Description:

For MVS, ERASE will erase (delete) a single sequential DASD file, HFS file, PDS(E) member or VSAM file.

For successful operation, the user must have sufficient read/write authority for the file and no exclusive ENQ should exist for the file.

In SELCOPY/i 1.80, the ERASE command has been enhanced so that if the specified *fileid* is a defined ALIAS for a non-VSAM data set, then the ALIAS will be deleted, **not** the related data set.

All: SELCOPY/i 1.70 Zaps applied

Zap ID	Op. Sys.	Query Ref.	Description
I170z01	MVS	(IQ02016 - 2009/08/07)	New Feature: Support CREATE STRUCTURE using an existing ADATA file as the source, in place of a COBOL or PL1 copybook. e.g. CREATE STRUCTURE MySdoFile FROM ADATA MyADaFile
I170z02	VSE	(IQ02011 - 2009/08/07)	SYSIPT data flag was not maintained following save of an existing LIBR PROC member, originally cataloged with DATA=YES.
I170z03	MVS	(IQ02019 - 2009/08/07)	Avoid "EDT062E Invalid macro path." error when an ALIAS is used for one of the MACROPATH specified libraries.
I170z04	CMS	(IQ02008 - 2009/08/07)	Various issues with CMS fileid recognition.
I170z05	All	(IQ02022 - 2009/08/07)	Possible 0C4 at EDTFOBJ1+BDC using 'SAVE <NewFileid>'.
I170z06	All	(IQ02023 - 2009/08/19)	'VC' and 'T' prefix commands to invoke CBLV CAT from file list-windows instead invoke 'VIEW'. Same problem in CBLV CAT report output window using 'V' and 'T' commands. Also 'Execute CBLV CAT ...' item from 'File' menu fixed.
I170z07	MVS	(IQ02023 - 2009/08/19)	'LISTDATASET' output for an entry with a null 'Org' field shows all fields following Org as blank. Same problem in previous releases.
I170z08	MVS	(IQ02030 - 2009/08/19)	SDE edit fails to save changes in UPDATE-in-place mode.
I170z09	MVS	(IQ02030 - 2009/08/27)	LISTVTOC/LISTDATASET output fields Alt/Trks/DsnPcu/DsKb incorrect for datasets with more than 3 extents on a volume.
I170z10	MVS	(IQ02045 - 2009/08/28)	SDE sequential file edit in update-in-place mode fails to save changes to last block in file if there are no other updates to records in previous blocks. Same problem exist in Rel 1.60 (fixed by I160z11).
I170z11	VSE	(IQ02047 - 2009/10/22)	Install job CBLLOAD gives LIBR member open error and fails to write any HELP, CBLE macro or CMX members.
I170z12	All	(IQ02066 - 2009/10/22)	Initial cursor positioning not obeyed for panels defined by REXX macros, such as FAV. FAV initial cursor positioning in "DSN/Variable #" field also requires update to L=006 of the FAV macro. Please contact CBL to get this update.
I170z13	All	(IQ02106 - 2009/10/22)	"EDT133E The target of a MOVE or COPY prefix command is in the source range" error detection was one line out.