Compute (Bridgend) Ltd

Interactive

SELCOPY/*i* 1.70 New Features for IBM Mainframe z/OS, VSE & VM/CMS Systems

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Contents

SELCOPY/i 1.70 New Features

Documentation Notes

Information in this New Feature List reflects differences between CBLi 1.60 and SELCOPY/i (CBLi) 1.70, the interactive components of SELCOPY and CBLVCAT.

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

The **CBLi Update Guide**, **CBLi Reference and User Guide**, **CBLe Editor Manual**, **SDE Manual** and these **CBLi New Features** 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**.

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

All: SDE CLI LOCATE Updated

Use of the LOCATE CLI command in an SDE (Structured Data Environment) edit view will scroll the display so that the first line of data that satisfies the locate search criteria becomes the current (i.e first) line of the display.

Where the locate search criteria is an integer with no preceding ":" colon, "+" (plus) or "-" (minus), then this value is now considered to be an **absolute** record number within the edited file. If a valid record number, then this record becomes the current line of the edit view. This change has occurred in order to match the specification of the ISPF LOCATE primary command and the CBLe LOCATE CLI command with Interface ISPF in effect (default in an MVS environment.) e.g. LOCATE 5, or simply 5, will make record 5 the current record.

In previous releases, an integer value parameter on LOCATE would be treated as a line number target **relative** to the existing current line number. This may still be achieved by explicitly specifying a "+" (plus) or "-" (minus) before the integer value. e.g. LOCATE +5 will make the 5th record following the current record, the new current record.

All: CLI Command Minimum Abbreviations

SELCOPY/i 1.70 introduces changes to the minimum abbreviations of the following CLI commands in order to standardise across all application command sets (Lists, CBLe, SDE, etc.) and also allow it to conform with standard ISPF commands.

Locate
: The minimum abbreviation for the CBLe text edit LOCATE CLI command is now "L" (previously "LO"). This matches the specification of SDE CLI command LOCATE and the ISPF LOCATE primary command.

SELect
: The minimum abbreviation for the List window SELECT CLI command is now "SEL" (previously could not be abbreviated). This matches the specification of SDE CLI command SELECT.

SELCopy
: The minimum abbreviation for the CBLi SELCOPY CLI command, used to invoke the SELCOPY Interactive Debugger application main window, is now "SELC" (previously "S").

  This is to avoid confusion with the new List window CLI command "S", the SDE and List window CLI command "SELECT" and the CBLe text edit CLI command "SET SELECT". "SELECT" and "SET SELECT" each have a minimum abbreviation of "SEL".

WHere
: The minimum abbreviation for the List window WHERE CLI command is now "WH" (previously could not be abbreviated).

All: List Window Prefix Commands Changed

The action on executing the following CBLi List windows prefix commands have been altered in SELCOPY/i 1.70:

B
: Previously opened the CBLe text editor to edit the entry read/only. This now the action on prefix command "V".
  Now opens an SDE BROWSE window view for the entry. Unlike EDIT and VIEW, BROWSE does not need to load the entire file in order to display a screen full of records. This is convenient when browsing large data sets.

V
: Previously opened an Execute CBLVCAT window and issue a LISTVCAT operation for the entry. This now the action on prefix command "VC".
  Now opens a CBLe text editor to view the entry (edit read/only). Previous action on prefix command "B".

VC
: New prefix command to open an Execute CBLVCAT window and issue a LISTVCAT operation for the entry. Previous action on prefix command "V".

MVS: CBLi & CBLe CLI BROWSE Updated

Use of the CBLi and CBLe text edit `BROWSE` CLI command in an MVS environment now invokes the SDE BROWSE CLI command command to open a Structured Data Environment BROWSE window view to browse a page of data from the specified fileid.

All parameters supported by the SDE BROWSE CLI command area also supported by CBLi/CBLe BROWSE.

In previous releases, CBLi/CBLe BROWSE was a synonym for VIEW which opens a read-only CBLe text edit view of the file data. This is still true for BROWSE in **VSE** and **CMS** environments for which the Structure Data Environment is not currently supported.

BROWSE should be used instead of VIEW to browse data in large data sets. Unlike EDIT and VIEW, BROWSE does not need to load the entire file into storage in order to display a page of records.

Section 02: New Facilities

MVS: UNIX File Systems (HFS, ZFS, NFS)

SELCOPY/i 1.70 integrates support for UNIX System Services and files residing on one of the supported UNIX hierarchical file systems (HFS, ZFS or NFS). Throughout SELCOPY/i, files on these systems are generically referred to as HFS files or HFS paths.

Access to UNIX System Services and HFS files is dependent upon configuration of OMVS settings within the user's RACF definition.

Where applicable, application windows, CLI commands, SET options and prefix commands have been updated to accomodate HFS files. In addition to this, SELCOPY/i maintains the concept of the user's home directory and current working directory.

An HFS file may be referenced via an absolute path, starting at the root directory, or a path relative to the current working directory.

For CLI commands and dialog windows which support both MVS data set names and HFS path names, specification of an HFS path must contain a "/" (slash) or a leading "." (dot/period), otherwise an MVS DSN is assumed. An HFS path that does not start with "/" is a path relative to the current working directory.

The HFS path is case sensitive and, if it contains special characters, blanks or commas, it should be enclosed within single quotes (apostrophes) or double quotes.

Within SELCOPY/i, the absolute HFS path for a file is considered to be the **FILEID** which may consist of a file path (FPATH), file mode (FMODE), file name (FNAME) and file type (FTYPE). These are defined as follow:

- **FPATH**: The directory path from the root directory up to, but not including, the last "/" character in the fileid.
- **FMODE**: The first level directory name above the root directory in the fileid.
- **FNAME**: The character string following the last "/" (slash) and immediately preceding the last "." (dot/period) in the fileid. If no "." exists, FNAME runs to the end of the fileid.
- **FTYPE**: The character string following the last "." (dot/period) in the fileid. If no "." exists, FTYPE is a null string.

List HFS Path

The HFS Path List window displays the contents of the specified HFS directory path and optionally its sub-directories. It may be opened via the following:

- Select 'HFS Path Details' from the LIST menu in the **CBLi Main Menu**.
- Enter the CBLi command **LP** on the command line of any window.
- Enter the CBLi command **LD** with an HFS path argument on the command line of any window.

The HFS Path List window displays file, directory and link names contained in the specified HFS path, together with stored information for each directory entry.

Note: List HFS Path is not supported for CMS or VSE.

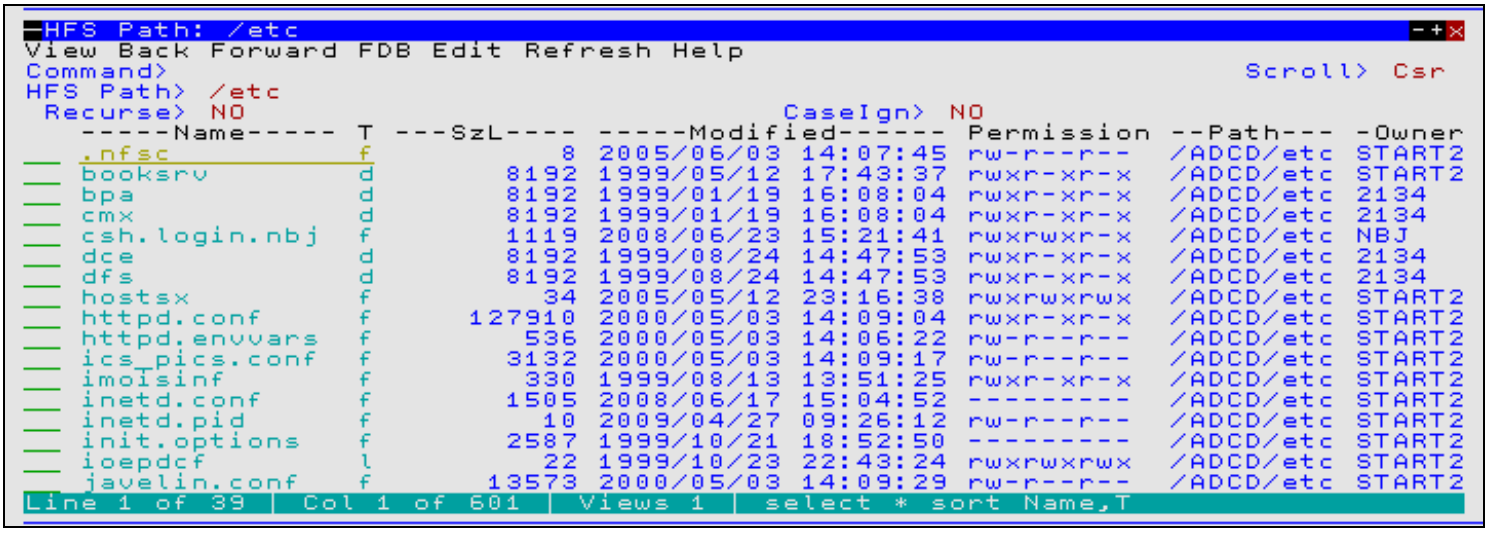


Figure 1. HFS Path List window.

HFS Path>

Specify the absolute or relative HFS path name.

The name portion of the HFS path is the character string at the end of the path that follows the last "/" (slash) of the fileid, or is the entire path name if "/" is not specified.
The following wild cards may only be specified within the name portion of the HFS path.

*	A single asterisk represents zero or more characters.
%	A single percent sign represents a single character.

Recurse>

Enter "YES" to recursively list the contents of all sub-directories found within the HFS path specification.
Default is "NO".

CaseIgn>

Enter "YES" to bypass case sensitivity for the name portion of the specified HFS path.
Default is "NO".

Prefix Line Commands

The following prefix line commands are available:

Command	Description
(blank)	Perform the default action for the list entry on which the cursor is positioned when <Enter> is pressed. Default action depends on the list entry as follows: • For a directory entry or a symbolic link to a directory, open a new List HFS list window to display the contents of the directory. • For all other entries, a CBLe text editor view is opened to edit the data. (Equivalent to prefix command "E").
B	Open the CBLe text editor to to perform SDATA BROWSE on the entry.
D	Delete the entry (file, link or directory). User will be prompted to verify the deletion.
E	Open a CBLe text editor view 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.
K	Delete (Kill) the entry without prompting for verification.
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**.
V	Open the CBLe text editor to View (edit read/only) this entry.
>	Display the list entry in vertical format in a new window.
/	Display popup allowing user to select one of the supported actions.

CBLi CLI LISTPATH

Syntax:

```
>>--+- LP ----------+---+--------+--+--------+---+--------------+------------><
    |               |   |        |  |        |   |              |
    +- LISTPATH ----+   +-- -C --+  +-- -R --+   +-- hfs_path --+
    |               |
    +- LISTP -------+
```

Description:

The LP (List Path entries) command may be used to open a **HFS Path List** window to list information about entries that match the specified HFS path.

If no parameters are specified, the list window will be opened with fields populated with parameters entered by the user for the last invocation of the HFS Path list window.

The HFS Path List window may also be opened via the LD command if the dataset specification begins with "." (dot/period) or contains "/" (slash), or the List menu of the CBLi main window menu bar.

Parameters:

`-C`
Specify -C or -c to bypass case sensitivity for the **name** portion of the specified HFS path. The name portion of the HFS path is the character string at the end of the path that follows the last "/" (slash) of the fileid, or is the entire path name if "/" is not specified.

`-R`
Specify -R or -r to recursively list the contents of all sub-directories found within the HFS path specification.

`hfs_path`
Specifies the HFS path which is to be placed in the HFS Path> field of the list window. This may be a path name relative to the current working directory.

The following wild cards may only be specified within the name portion of the HFS path.

`*`	A single asterisk represents zero or more characters.
`%`	A single percent sign represents a single character.

Examples:

`lp -r /u/johnd02/temp*`
Lists the contents of the "/u/johnd02" directory where name begins with "temp" and, if a directory entry, list the contents of that directory and any of its sub-directories.

`listpath '200401*_%%% Audit Report.tgz'`
List entries in the current working directory. The HFS path is quoted since the name mask contains a blank. Wildcards "*" and "%" are used to represent multiple (zero or more) and single characters respectively.

CBLe & SDE CLI BROWSE, EDIT & VIEW Updated

Syntax:

```
>>-- Browse ----- fileid -- ... --+------------------+---> ...
                                  |                  |
                                  +---| HFS Opts |---+

>>-- Edit ------- fileid -- ... --+------------------+---> ...
                                  |                  |
                                  +---| HFS Opts |---+

>>-- View ------- fileid -- ... --+------------------+---> ...
                                  |                  |
                                  +---| HFS Opts |---+
```

HFS Opts:

```
        +- EOL ---+------------+----------------+
        |         |            |                |
        |         +-- CR ------+                |
        |         |            |                |
        |         +-- LF ------+                |
        |         |            |                |
        |         +-- NL ------+                |
        |         |            |                |
        |         +-- CRLF ----+                |
        |         |            |                |
        |         +-- LFCR ----+                |
        |         |            |                |
        |         +-- CRNL ----+                |
        |         |            |                |
        |         +-- string --+                |  +- LRECL lrecl -+
    (1)|                                        |  |               |
 >- ( --+----------------------------------------+--+---------------+---------->
        |                                        |
        +- RECFM -+- F -------------------------+
                  |                             |
                  |     +- (0,2,0) ----------+  |
              (2) |     |                    |  |
                  +- V -+- (off,len,origin) -+--+
```

Notes:

1. Open "(" (parenthesis) required for CBLe EDIT/VIEW only. Invalid for SDE EDIT/BROWSE.
2. RECFM V supported for SDE EDIT/BROWSE only. Invalid for CBLe EDIT/VIEW.

Description:

For both the CBLe text editor and SDE editor, the BROWSE, EDIT and VIEW CLI commands have been updated to support an HFS path name for the file to be displayed.

Where *fileid* is identified as being an HFS path (i.e. begins with "." or contains "/"), HFS options may be specified to determine the handling of data within the file.

For BROWSE only where EOL processing is requested, if EOL characters are **not** found in the first lrecl bytes of data, then the file is displayed as RECFM F records of length 80.

Parameters:

`EOL=NL|CR|LF|CRLF|LFCR|CRNL|`*`string`*

Sets the EOLIN (input end-of-line) delimiter value used to determine the end of each record for non-RECFM F or V input. EOLIN delimiters are not included in the edited record data or record length. EOL parameter elements are as follow:

NL	X'15'	New Line.
CR	X'0D'	Carriage Return.
LF	X'0A'	Line Feed.
string	-	A 2-byte user specified character or hex string.

Default is the current value for EOLIN.

`RECFM F | V (`*`off`*`,`*`len`*`,`*`origin`*`)`

Specifies that the data is to be treated as containing Fixed or Variable length format records.

RECFM F indicates that all records are of a fixed length as defined by the LRECL argument.

RECFM V is applicable to SDE EDIT and BROWSE only. The user may specify the location of the record length fields within the data as follows:

off	Offset of the record length field from the start of the record.
len	Length of the record length field.
origin	The start of the record data at which the record length is applied.

Default is (0,2,0) which describes standard RECFM V organisation data sets.
The length field will be displayed as part of the data, so, unless editing the data using a suitable associated structure, the user must take care not to corrupt the length field and also maintain it for any change in record length.

`LRECL `*`lrecl`*

Specifies the maximum record length of input records.

Records terminated by an EOL sequence will wrap onto the next line of data if the record length exceeds *lrecl*. Where a record has wrapped, the prefix area contains the "==EOL>" flag. Furthermore, read-only edit is forced in order to suppress save of a wrapped record as multiple, individual records.

For RECFM F data, *lrecl* is the fixed length of the records in the edit view. If the file size is not a multiple of the fixed format lrecl value then, for CBLe and SDE EDIT, an error occurs and edit is cancelled. Otherwise, for BROWSE the operation continues with the last record padded with blanks up to the lrecl length.

If the record length field of a RECFM V record exceeds the *lrecl* value, then an error is returned.

RECFM V and EOL delimited records have default *lrecl* of 32752, wheras RECFM F records have default *lrecl* of 80.

CBLe LIST 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 CBLe REXX macro.

The LIST command has been enhanced to support HFS Path list output and additional, HFS Path list specific parameters, CASEIGN and RECURSE.

Parameters:

listtype
The CBLi list type function to extract. The following have been added in CBLi 1.70:

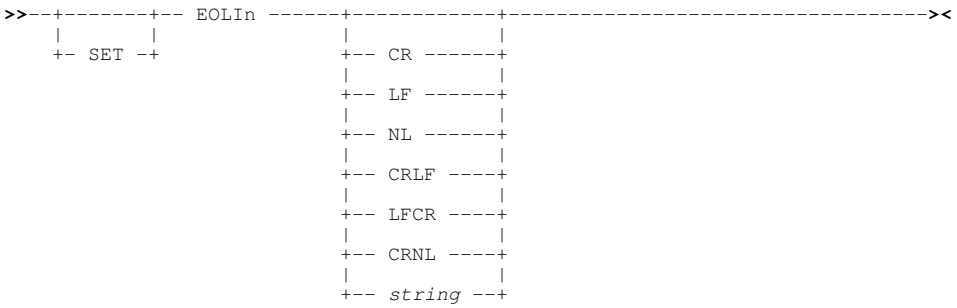
HFS | PATH	List HFS files.

CASEIgn
For **HFS lists** only, bypass case sensitivity for the **name** portion of the HFS path specified in *listparms*. The name portion of the HFS path is the character string at the end of the path that follows the last "/" (slash) of the fileid, or is the entire path name if "/" is not specified.

RECURSE
For **HFS lists** only, recursively list the contents of all sub-directories found within the *listparms* HFS path specification.

CBLe & SDE CLI SET/QUERY/EXTRACT EOLIN

Syntax:



Description:

EOLIN alters the current input EOL (end-of-line) delimiter string used to interpret variable length records read from an HFS file for SDE **EDIT** and **BROWSE** CLI commands and for the CBLe **GET** and COPY (ISPF Interface) CLI commands.

An EOLIN value is set for all SDE and CBLe edit views including those containing non-HFS files. In CBLe edit views, this allows use of the GET and ISPF style COPY commands to retrieve records from an HFS file into a Sequential file, VSAM file or PDS(E) member.

When an edit view is opened and before the edit data is read, the default EOLIN is automatically set to be one of the following values, in the order of precedence:

1. The EOL parameter argument specified on the EDIT or BROWSE command.
2. For SDE EDIT/BROWSE only, the EOLIN value set in the SDE profile macro (using SET EOLIN).
3. The EOL format value defined in the directory entry.
4. EOLIN=NL (new line).

SET EOLIN takes effect at the File level.

Parameters:

CR|LF|NL|CRLF|LFCR|CRNL|*string*
Identifies the end-of-line delimiter. Delimiter elements are as follow:

NL	X'15'	New Line.
CR	X'0D'	Carriage Return.
LF	X'0A'	Line Feed.
string	-	A 2-byte user specified character or hex string.

CBLe & SDE CLI SET/QUERY/EXTRACT EOLOUT

Syntax:

```
>>--+-------+-- EOLOut -----+------------+-----------------------------------><
    |       |               |            |
    +- SET -+               +-- CR ------+
                            |            |
                            +-- LF ------+
                            |            |
                            +-- NL ------+
                            |            |
                            +-- CRLF ----+
                            |            |
                            +-- LFCR ----+
                            |            |
                            +-- CRNL ----+
                            |            |
                            +-- string --+
```

Description:

EOLOUT determines the output HFS file EOL (end-of-line) delimiter string to be used when saving edited data to an HFS fileid which is not fixed format. i.e RECFM F is **not** the current setting for the edited data.

By default, the EOLOUT value is equal to the EOLIN value established when the CBLe edit view is initially opened for edit or browse. When using SDE Update-in-place Edit, EOLOUT cannot be changed and must equal the EOLIN value when the data was read.

An EOLOUT value is also set for non-HFS files allowing the user to subsequently save the data in the edit view to a new HFS file simply by using the SAVE *fileid* command where fileid is an HFS path name.

SET EOLOUT takes effect at the File level.

Parameters:

CR|LF|NL|CRLF|LFCR|CRNL|*string*
: Identifies the end-of-line delimiter. Delimiter elements are as follow:

NL	X'15'	New Line.
CR	X'0D'	Carriage Return.
LF	X'0A'	Line Feed.
string	-	A 2-byte user specified character or hex string.

CBLi CLI FSU

Syntax:

```
>>- FSU -+------------------------------+-----------------------------------><
         |                              |
         |          +--------------+    |
         |          V              |    |
         +- INPut ( - fileid_mask -+-) -+

                                  +- EOL eolstr ----+ +- LRECL lrecl --+
                                  |                 | |                |
 >-------+-----------+-+-----------+-+---------------+-+----------------+--> ...
         |           | |           | |                 |
         +- RECURSE -+ +- CASEIgn -+ +- RECFM rfmstr --+
```

Description:

The FSU, File Search/Update utility has been updated to support the following:

- Specification of an HFS path name as an INPUT *fileid_mask* argument. FSU supports comment specification (text enclosed between "/*" and "*/"). Where the HFS file name wild card "*" (asterisk) is to be used following a directory separator "/" (slash), the HFS path must me enclosed in single quotes (apostrophes) or double quotes. e.g.

  ```
  INPUT  ( '/u/ibmuser/*'   /* Search all files in this directory. */  )   ...
  ```

  Any combination of HFS path names and MVS DSNs may be used.

- HFS specific options that apply to **all** HFS path fileid masks specified on the INPUT parameter.

Added Parameters:

`RECURSE`
: For all HFS path names specified on the INPUT parameter, recursively search files within all sub-directories found within each HFS path specification.

`CASEIGN`
: Bypass case sensitivity for the **name** portion of all specified HFS path fileid masks specified on the INPUT parameter. The name portion of the HFS path is the character string at the end of the path that follows the last "/" (slash) of the fileid, or is the entire path name if "/" is not specified.

`EOL eolstr`
: Specify the EOLIN (input end-of-line) delimiter to be used for determining the end of a record for all HFS files that match the HFS path fileid masks specified on the INPUT parameter.

  Possible values and default for *eolstr* are as supported by the SDE CLI command **SET EOLIN**.

`RECFM rfmstr`
: Specify the record format (F or V) to be used for all HFS files that match the HFS path fileid masks specified on the INPUT parameter.

  Possible values and default for *rfmstr* are as supported by the SDE CLI command **EDIT**. Note that specification of RECFM V *off*,*len* and *origin* parameters are enclosed in "( )" (parentheses). e.g. `RECFM( V(0,4,10) )`

`LRECL lrecl`
: Specifies the maximum record length of input records belonging to all HFS files that match the HFS path fileid masks specified on the INPUT parameter.

  Default for *lrecl* and its effect on input records is as supported by the SDE CLI command **EDIT**.

FSU & SDE Edit Dialog Windows Updated

The SDE Edit Dialog window has been updated to include fields for the new HFS Edit/Browse options.

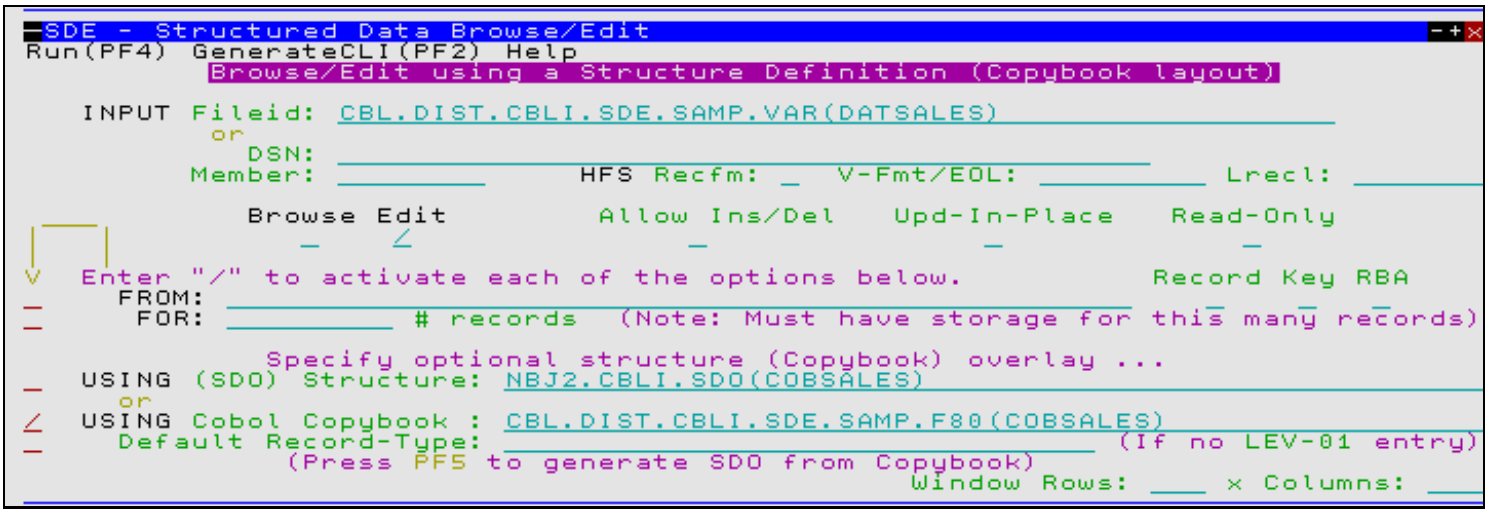


Figure 2. SDE - Structured Data Browse/Edit window.

The FSU - File Search/Update window has been updated to include fields for the new HFS FSU options.

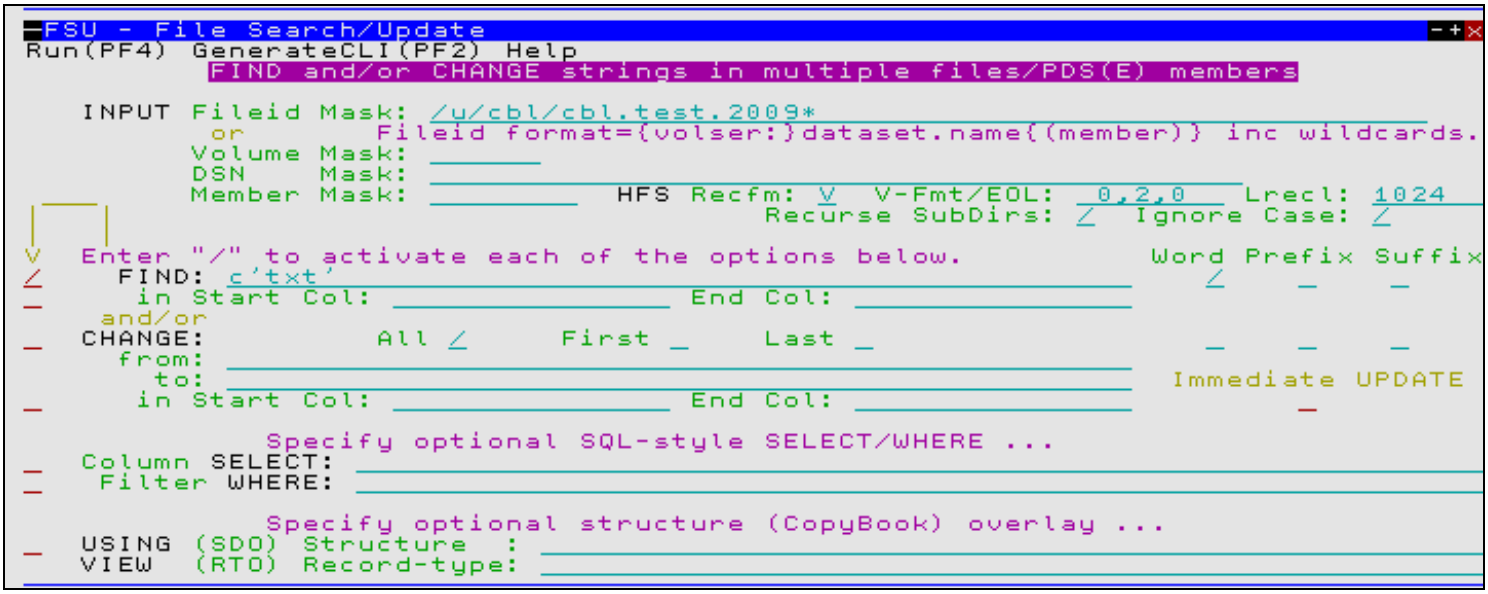


Figure 3. File Search/Update Dialog Window.

Note that, if the RecFm field is not empty, the contents of the V-Fmt/EOL field are ignored unless the value of the RecFm field is "V". In this case, the contents of the V-Fmt/EOL field are used to specify the *off*,*len* and *origin* arguments including or excluding delimiting "( )" (parentheses).

Updated CLI Commands & CBLe/SDE Options

Although no changes have occurred to the command syntax, a number of existing CBLi CLI commands and CBLe/SDE SET/QUERY/EXTRACT options have been updated to accomodate HFS files.

CBLi **commands** updated for HFS in SELCOPY/i 1.70 are as follow:

ERASE
: Erase of a fileid now supports an absolute or relative HFS path name to be erased.
Specification of a leading "." (dot/period) or "/" (slash) in the HFS path name is mandatory in order to distinguish it from an MVS data set name.
ERASE performs a USS UNLINK operation for the individual HFS path name. Alternate path names to the same data are unaffected.
UNIX file permissions determine whether a user has sufficient authority to erase the specified HFS file.

RENAME
: Rename of a fileid now supports an absolute or relative HFS path name for both the old and new fileid. The HFS path name may be that of a file, directory, hard link or symbolic link.
Specification of a leading "." (dot/period) or "/" (slash) in the HFS path name is mandatory in order to distinguish it from an MVS data set name.
UNIX file permissions determine whether a user has sufficient authority to rename the specified HFS file.

CBLe **commands** updated for HFS in SELCOPY/i 1.70 are as follow:

SAVE, **SSAVE**, **FILE** and **FFILE**
: Each of these commands will save data in the current edit view using the current fileid, or, alternatively, save the data using a fileid specified as an argument to the command. These commands now support an absolute or relative HFS path name as the current fileid or the *fileid* argument.

GET and **COPY** (Interface ISPF command)
: Used to copy all or selected records from a specified file into the current edit view, these commands now support an absolute or relative HFS path name as the *fileid* argument.

CBLe and SDE **SET/QUERY/EXTRACT options** updated for HFS in SELCOPY/i 1.70 are as follow:

DSN
: For HFS paths only, DSN is equivalent to FILEID.

FILEID
HFS path support to display and set the absolute fileid for the currently edited data.
Changing the fileid from an MVS DSN to an HFS file will change the DSORG to HFS.

FMODE
HFS support to display and set the absolute HFS path name's first level directory name above the root directory for the currently edited data. (e.g. "usr" in "/usr/include/arpa/inet.h")

FNAME or **MBR**
HFS support to display and set the file name portion of the HFS path name for the currently edited data. (e.g. "inet" in "/usr/include/arpa/inet.h")

FPATH
HFS support to display and set the file path portion of the HFS path name for the currently edited data. (e.g. "/usr/include/arpa" in "/usr/include/arpa/inet.h")
Changing the file path from an MVS DSN to an HFS file path will change the DSORG to HFS.

FTYPE
HFS support to display and set the file type portion of the HFS path name for the currently edited data. (e.g. "h" in "/usr/include/arpa/inet.h")

MVS: CBLi UNIX System Services (USS) CLI Commands

In order to assist with HFS file management for data edit, UNIX System Services commands have been introduced as part of the CBLi CLI command set.

Support of USS commands overcomes the requirement to open an OMVS shell or execute the TSO OSHELL procedure in order to manage files, directories and links or the user's current working directory.

USS prefixed CBLi CLI commands may only affect HFS path names and so specification of "/" (slash) within the path name or a leading "." (dot/period) in order to identify the fileid as an HFS path name is unnecessary.

CBLi CLI USS CHDIR

Syntax:

```
>>-- USS ----- CHDIR ------ hfs_path ----------------------------------------><
```

Description:

Change the current working directory.
CHDIR is equivalent to the USS shell command CD but without the additional options.

Parameters:

hfs_path
An HFS path name representing a directory.

CBLi CLI USS GETCWD

Syntax:

```
>>-- USS --+-- GETCwd --+-------------------------------------------------><
           |             |
           +--- PWD ----+
```

Description:

Display the current working directory.
GETCWD is equivalent to the USS shell command PWD.

Parameters:

USS GETCWD has no parameters.

CBLi CLI USS LINK

Syntax:

```
>>-- USS ----- LINK ----- old_hfs_path ---- new_hfs_path --------------------><
```

Description:

Create a hard link to an existing HFS file.
LINK is equivalent to the USS shell command LINK.

Parameters:

old_hfs_path
An HFS path name representing a file. This may be the HFS file name, another hard link or a symbolic link. If *old_hfs_path* is a symbolic link, a hard link is created to the file that results from resolving the symbolic link.

new_hfs_path
The HFS path name of the new hard link to the file data.

CBLi CLI USS MKDIR

Syntax:

```
>>-- USS ----- MKDIR ------ hfs_path ----------------------------------------><
```

Description:

Create a new HFS directory.
MKDIR is equivalent to the USS shell command MKDIR but without the additional options.

Parameters:

hfs_path
An HFS path name representing a directory.

CBLi CLI USS REALPATH

Syntax:

```
>>-- USS ----- REALPATH --- hfs_path ----------------------------------------><
```

Description:

Display the absolute HFS path name for the specified (relative) HFS path name.

Parameters:

hfs_path
Any HFS path name.

CBLi CLI USS RENAME

Syntax:

```
>>-- USS ----- RENAME --- old_hfs_path ---- new_hfs_path --------------------><
```

Description:

Rename an existing HFS file, hard link, symbolic link or directory name.
USS RENAME is equivalent to the CBLi RENAME CLI command except that rename arguments are always treated as HFS path names.

Parameters:

old_hfs_path
An HFS path name representing a file, hard link, symbolic link or directory name.

new_hfs_path
The new HFS path name.

CBLi CLI USS RMDIR

Syntax:

```
>>-- USS ----- RMDIR ------ hfs_path ----------------------------------------><
```

Description:

Remove an existing, empty HFS directory.
RMDIR is equivalent to the USS shell command RMDIR except that, currently, no option exists to remove intermediate directory components.

Parameters:

hfs_path
An HFS path name representing a directory.

CBLi CLI USS STAT

Syntax:

```
>>-- USS ----- STAT ------- hfs_path ----------------------------------------><
```

Description:

Display the status of the specified HFS path name.
This includes the absolute HFS path name, type, file size, blocksize, format and permissions (octal).

Parameters:

hfs_path
An existing HFS path name.

CBLi CLI USS UNLINK

Syntax:

```
>>-- USS ----- UNLINK ----- hfs_path ----------------------------------------><
```

Description:

Unlink the specified HFS path name.
UNLINK is equivalent to the USS shell command UNLINK.

Parameters:

hfs_path
An existing HFS path name representing a file name, hard link or symbolic link.
Alternate path names to the same data are unaffected.

MVS: SDE PL/1 Copy Books

The CBLi SDE facility supports edit and browse of data set records using record mapping templates, known in SDE as structures.

SDE structures are data sets containing one or more record format definitions, in a format internal to CBLi SDE. In releases prior to SELCOPY/i 1.70, SDE structures were generated from one or more COBOL copy books or using SDE CREATE STRUCTURE record definition syntax.

SELCOPY/i 1.70 introduces additional support for the generation of SDE structures using PL/1 copy books. Multiple PL/1 copy books may be specified on the CREATE STRUCTURE command, in order to define a concatenation of DECLAREd structures that map input data set records. e.g. The following will create an SDE structure from a concatenation of the two PL/1 copy book members COPYBK and CB002:

```
SDATA  CREATE STRUCT   DEV.CBLI.SDO(SADDR)   FROM  PL1  DEV.PL1.SADDRX(COPYBK), DEV.PL1.SADDRX(CB002)
```

CBLi executes the PL/1 compiler in order to generate ADATA and SYSPRINT output listing. If a compile error occurs, the SYSPRINT output is displayed to the user in a CBLe text edit view.

SDE `SET/QUERY/EXTRACT COMPILER` option controls the name and location of the PL/1 compiler load module (default is IBMZPLI in a Link Listed library.) SDE `SET/QUERY/EXTRACT MAXPL1RC` option controls the maximum acceptable PL/1 compiler return code for which SDE will continue generation of the structure. (default is RC=04).

In order to support PL/1 specific copy book data items, support for the following new SDE data types have been introduced in SELCOPY/i 1.70:

Character Variable (Field of Static Length with Preceding Length Field)

A Character field of variable length padded with blanks to occupy a field of a fixed, predefined length. The variable length of the character data is determined by a 2-byte **Integer Binary** field located immediately before the character data. The 2-byte Integer Binary field length is not included within the stored length. This data type is equivalent to PL/1 fields declared as CHARACTER VARYING.

Fields of this data type may be defined using CREATE STRUCTURE Direct Definition syntax:

`CHARVARYING(`*`n_bytes`*`)`

Character Variable (Field of Static Length with Null Termination)

A Character field of variable length occupying a field of a fixed, predefined length. The end of the variable length character data is determined by at least one null (x'00') termination character. Therefore, in order to support a character strings of the maximum field length, the predefined fixed field length is always 1 byte longer than the maximum length requested. This data type is equivalent to PL/1 fields declared as CHARACTER VARYINGZ.

Fields of this data type may be defined using CREATE STRUCTURE Direct Definition syntax:

`CHARZ(`*`n_bytes`*`)`

PL/1 Picture String (Character)

A PL/1 style PICTURE string representing a character data item (i.e. no numerical interpretation) of length determined by the specified picture string. The picture string may contain any valid PL/1 picture character for character data.

Fields of this data type may be defined using CREATE STRUCTURE Direct Definition syntax:

`PCHAR(`*`pl1_picture_string`*`)`

PL/1 Picture String (Fixed Point Numerical)

A PL/1 style PICTURE string representing a FIXED numerical character data item of length determined by the specified picture string. The picture string may contain any valid PL/1 picture character for numeric character data except for exponent characters "E" and "K".

Fields of this data type may be defined using CREATE STRUCTURE Direct Definition syntax:

`PFIXED(`*`pl1_picture_string`*`)`

PL/1 Picture String (Floating Point Numerical)

Not Supported in SELCOPY/i 1.70.

A PL/1 style PICTURE string representing a FLOAT numerical character data item of length determined by the specified picture string. The picture string may contain any valid PL/1 picture character for numeric character.

Fields of this data type may be defined using CREATE STRUCTURE Direct Definition syntax:

`PFLOAT(`*`pl1_picture_string`*`)`

Support for declared structures which contain an ALIGNED field that follows a variable length field or array (i.e fields or arrays defined using REFER), is not included in SELCOPY/i 1.70. If this condition is encountered when executing CREATE STRUCTURE, then error SDE298E is returned and processing is stopped.

All: Favourite Datasets/Commands

Backed by customer demand for an easy interface to commonly accessed data sets and in order to assist migratation from other productivity software that offer similar features, SELCOPY/i 1.70 introduces the Favourite Datasets/Commands window.

FAV - Favourites Datasets/Commands Window

The FAV - Favourite Datasets/Commands window may be opened via the following:

- Select 'Favourites' from the Utilities menu in the **CBLi Main Menu**.
- Enter the CBLi command **FAV** on the command line of any window.

This panel enables users to specify a default project hierarchy and also assign file names and command streams to items of a numbered list. The desired file name or command may then be referenced directly by list item number.

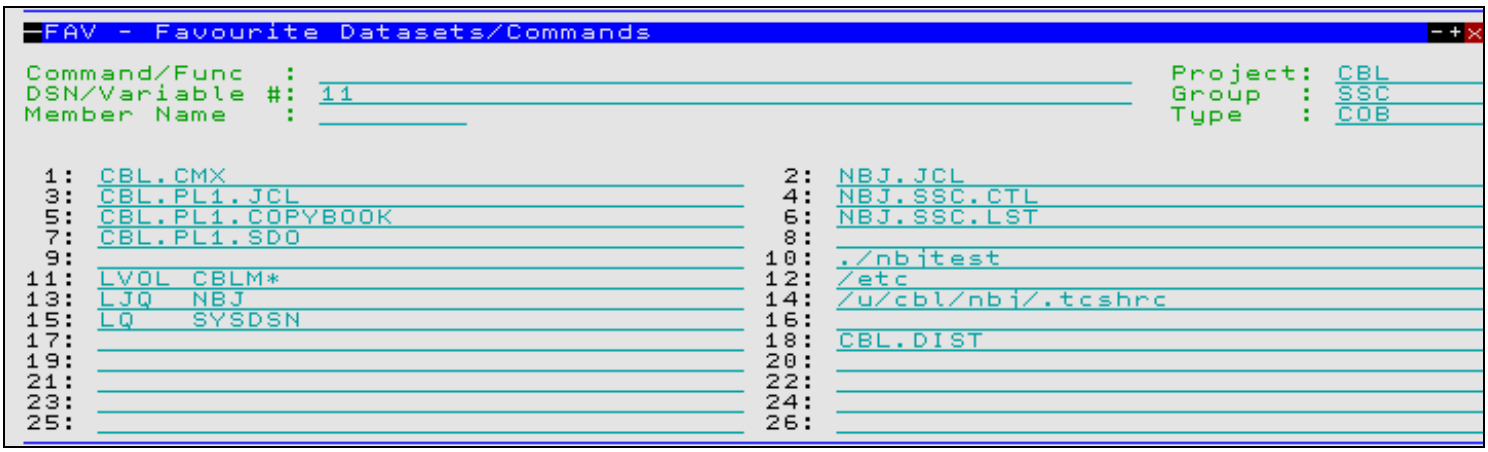


Figure 4. FAV - Favourite Datasets/Commands window.

When <Enter> is hit, the required fileid is determined based primarily on the contents of the **DSN/Variable #** field.

Field Content	Fileid Determination
null	Use the contents of the Project, Group, Type and Member Name fields.
non-numeric	Use the contents of the DSN/Variable # and Member Name field.
numeric	Use the contents of the specified number list item and the Member Name field.

Command/Func
Enter the CBLi CLI command to be executed.

Default CLI command is determined as follows:

null	A CLI command is already included as part of the specified list item number.
LA	The fileid is a single token (qualifier) containing no "." (dot/period) and no leading "/" (slash).
EDIT	The fileid has a member name or is an absolute HFS path name.
LL	The fileid is an MVS PDS(E) DSN with no member name.
LD	The fileid is an MVS non-PDS(E) DSN.

DSN/Variable #
Enter a complete fileid, a DSN of a PDS(E) library or reference the number of a list item.

Member Name
A member name to be included as part of the fileid.

For MVS systems only, where the Member Name field is not empty, the use of its contents in the resultant fileid is based on whether a member name has already been specified via the other fields used to resolve the fileid. i.e. If no member name is identified within in the fileid, the contents of the Member Name field are enclosed in "( )" (parentheses) and appended to the fileid.

For VSE and CMS, this member name is used only if the **DSN/Variable #** field is null, in which case the fileid is built from the Project, Group, Type and Member Name fields.

Project/Group/Type
The default fileid tokens (qualifiers) to be used if the **DSN/Variable #** field is null.

For MVS, the Project, Group and Type fields represent the first three qualifiers of the DSN.

For CMS, the Project and Type fields represent the FileMode and FileType tokens respectively. The Group field is ignored.

For VSE, the Project, Group and Type fields represent a LIBR library name, sub-library name and member type respectively.

`n. (1-99)`
99 available numbered list item slots in which to store commonly accessed fileids and CLI command streams.

Scroll up and down through the pages of list item slots using <PF7> and <PF8> respectively.

CBLi CLI FAV

Syntax:

```
>>---- FAV ------------------------------------------------------------------><
```

Description:

The FAV command may be used to open a **Favourites Datasets/Commands** window to easily access commonly used files and commands.

The dialog window will be opened with fields populated with parameters entered by the user during the last invocation of the window.

Parameters:

FAV has no parameters.

MVS: IEBCOPY Dialog Window

The IEBCOPY dialog window is usually invoked via the List window prefix command "C" to copy PDS(E) libraries or individual members to a target library.

SELCOPY/i 1.70 introduces two additional methods of invoking the IEBCOPY Dialog window:

- Select "Execute IEBCOPY..." from the "File" menu in the CBLe Main Window Menu Bar.
- Enter the CBLi command **`IEBCOPYDIALOG`** on the command line of any window.

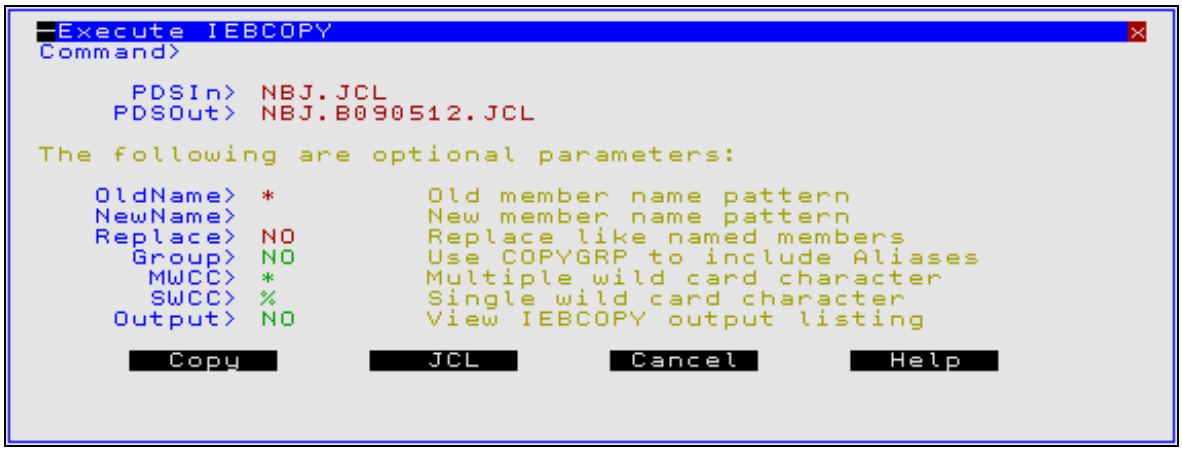


Figure 5. IEBCOPY Dialog window.

The IEBCOPY window has also been updated to include the **Group>** field.

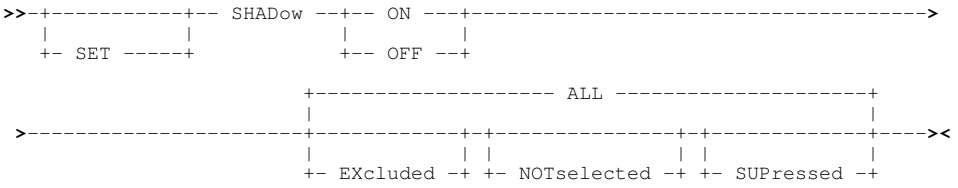
If this field contains "YES", then all selected library members and any ALIAS entries that exist for these members will be copied. Note that this also applies to Load Library members.

MVS: SDE View Shadow Lines

Three types of shadow lines exist for an SDE window view represent record groups that are either Excluded, Suppressed or Not Selected. Display of each type of shadow line is controlled using the `SET SHADOW` option.

The SDE SET SHADOW syntax has been altered so that ALL, representing all three shadow line types, is the default if no shadow line type is selected. i.e.

Syntax:



Also, in order to match operation of ISPF Edit and CBLe text edit ISPF Interface, support for SDE CLI command, `HIDE` and `RESET HIDE` has been included to perform the same function as `SET SHADOW OFF ALL` and `SET SHADOW ON ALL` respectively.

Section 03: Other Changes

All: List Window Commands for ISPF Compatibility

In order to match operation in ISPF, CBLi List windows have been enhanced to support the following CLI commands:

`Find` *`string`* / `RFIND`
: `FIND` *`string`* may be used to scroll the display to the **next** list entry to contain the specified search string **anywhere** within the first displayed field. If no match is found for **string** then no scrolling occurs.

  Following a successful FIND operation, `RFIND` (assigned to PF5 by default) may be used to repeat the search for the remaining list entries.

  `FIND` *`string`* is only valid if the first column in the display is defined as being a key field.

  Note that key fields area highlighted and remain at a fixed position within the display when scrolling left and right. If multiple key field columns exist within the list, then changing the order of the key fields using `SELECT`, will allow the user to execute FIND/RFIND on the contents of an alternate key field column.

`Locate` *`string`*
: Starting at the first entry and proceding downwards, `LOCATE` *`string`* will compare *string* against data at the **start** of the first field of each list entry until either a match is found or the field data is greater than *string*.

  If the strings are equal, then the display is scrolled so that this list entry becomes the first in the display. Otherwise, if the list entry string is greater than the search string, then the display is scrolled so that the list entry immediately preceding this list entry becomes the first in the display.

  `LOCATE` *`string`* is appropriate only if the first list column is in ascending sort order and is only valid if the first column in the display is defined as being a key field.

`S` *`member`*
: Supported as a CLI line command for Library Lists only, `S` *`member`* will perform the default operation (i.e. Edit) on the specified library member.

  S is also supported as a List window prefix command which applies to all types of List window. In this case, S will execute the default operation for the particular list entry type (the same as placing the cursor on the list entry and hitting <enter>.)

All: List Window Prefix Commands Added

The following CBLi List windows prefix commands have been added in SELCOPY/i 1.70:

`/` (slash)
: Displays a drop down menu illustrating valid prefix command functions for the list window entry. Position the cursor on the required function and hit <Enter> to action the command.
  In a list window, "/" prefix command is assigned to PF4 by default.

`>` (greater than)
: Open a new window containing a zoomed vertical display of the entry's fields. This is particularly useful for list windows that have a large number of displayed columns.
  In a list window, ">" prefix command is assigned to PF2 by default.

`UT`
: Supported for file lists only, `UT` opens the general file utilities menu to ultimately generate specific line commands in a temporary CMX file.

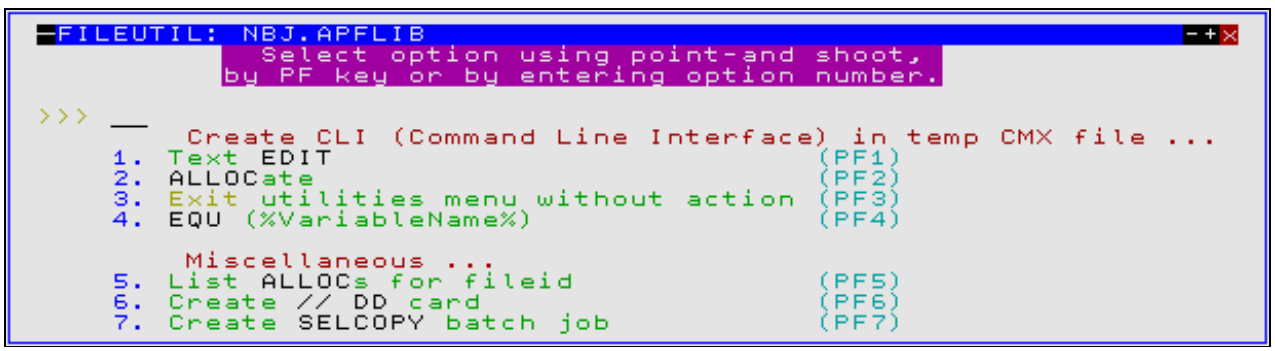


Figure 6. File Utilities Menu.

Options are selected by entering the required option number at the command prompt or executing the equivalent PFKey.

Executable CLI line commands are generated using the selected entry *fileid* as follows:

1. Text Edit	`<edit 'fileid'`
2. ALLOCate	`<alloc f(MYDDNAME) reuse shr dsn('fileid')`
4. EQU (%VariableName%)	`<equ MyFile 'fileid'`
5. List ALLOCs for fileid	`LA; where DsN=fileid`
6. Create // DD card	`//MYDDNAME DD DISP=SHR,DSN=fileid`

7. Create SELCOPY batch job	`//FILEUTIL EXEC PGM=SELCOPY`
	`//MYDDNAME DD DISP=SHR,DSN=NBJ.APFLIB`
	`//SYSPRINT DD SYSOUT=*`
	`//SYSIN DD *`
	`option worklen=65536 NoRdw`
	`read MYDDNAME`
	`print len=100 type=b stopaft=22`
	`/*`

All: List Window Column Display

Subsetting on displayed columns within a list window is achieved using the SELECT CLI command.

SELCOPY/i 1.70 has been enhanced to store the last successfully executed SELECT command for a particular list window type, and then apply it to any list window of the same type that is opened thereafter. This includes list windows opened across invocations of the SELCOPY/i application.

In order to reset the column selection for a list window (and so for subsequently opened list windows of the same type), `SELECT *` should be executed.

All: Display Area Scrolling Enhancements

Where applicable, all windows now display the "Scroll>" field on the right of the command prompt and the default action for PF7 and PF8 in the window display area is UP and DOWN respectively. (Previously set to UP CURSOR and DOWN CURSOR respectively).

UP, DOWN, LEFT and RIGHT CBLi CLI commands have also been updated to support parameters HALF, PAGE, CURSOR, DATA and MAX in addition to *n_lines* or *n_cols* for scrolling an integer number of lines or columns. Each of these parameters define the extent by which the data within the display will be scrolled.

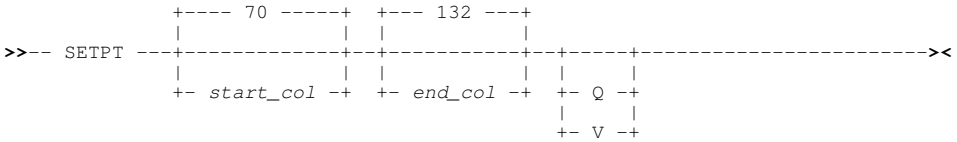
The extent by which data is scrolled may be specified using any one of three methods determined in the following order of precedence:

1. The scrolling command verb and its parameter is explicitly specified on the command line.
2. The scrolling parameter is specified on the command line and a PFKey assigned to a scroll command is actioned. Note that the contents of a command line are appended to the command stream assigned to a PFKey when that PFKey is actioned.
3. The scrolling parameter is the current value of the "Scroll>" field.

This ISPF style scrolling is already supported for CBLe text edit views using the ISPF interface (default for MVS systems) and also SDE edit views.

MVS: CBLe CLI SETPT

Syntax:



Description:

In previous releases, SETPT was distributed as a CBLe macro. It has now been introduced as a CBLe CLI command in order to dramatically improve performance for execution against large data sets.

A single execution of SETPT assigns a label name to multiple lines within a file based on the line data found between the specified column boundary limits. Compare with SET POINT, which unconditionally sets an individual label name on the focus line, or setting a label by simply typing the label name in a line's prefix area.

If a blank delimited word of no more than 9 characters beginning with "." (dot/period) **starts** within the column limits defined by *start_col* and *end_col*, then a label name equal to the word string is assigned to that line. Multiple labels will be assigned to the same line if more than one word matching this criteria is found within the column limits.

Note that a word within the data that extends beyond the *end_col* column limit may still be eligible as a label name so long as the preceding "." is within the column limits.

If a single label is set, then the assigned label name is displayed in the line's prefix area. Multiple labels assigned to the same line are not displayed in the line's prefix area.

The same label name may not be assigned to more than one line in the current file. Therefore, the last occurrence of a label name within the file will be assigned by SETPT. All previous occurrences of the same label name will be unassigned.

Like SET POINT, SETPT takes effect at the File level.

Parameters:

start_col
: Defines the left column limit in a range of columns in which to search for blank delimited, "." prefixed words. Default is column 70.

end_col
: Defines the right column limit in a range of columns in which to search for blank delimited, "." prefixed words. Default is column 132.

Q
: Suppress the default report message, "n points have been set by SETPT."

V
: List the label names that have been set by SETPT before reporting the total number of points set by SETPT.

Examples:

`SETPT 56 63 V`
: For the following lines of data will set the label ".SMS" on line 238 and label names ".RACF" and ".SEC" on line 239. These label names will be included in the list of label names that have been set on completion of the SETPT command.

```
       |...+....1....+....2....+....3....+....4....+....5....+....6....+...
000238 <edit NBJ.CONFIG.CMX(SMS)   | ** SMS  Configuration ** .SMS
000239 <edit NBJ.CONFIG.CMX(RACF)  | ** RACF Configuration ** .RACF .SEC .X
```

All: Help Window Display

In order to allow the user to easily switch between the Help windows and MDI child windows of the frame windows, Help windows may also be opened as an MDI child window.

In previous releases, Help windows were opened as application windows of the CBLi main window and so users would have to remove focus from the CBLe frame window in order to redisplay already opened Help windows. In most cases, since the CBLe frame window is maximised by default, the help windows would very often be lost behind the CBLe window and left open until the entire CBLi application was closed.

Starting a help window when the focus is on a CBLe or SELCOPY Debug frame window will automatically open it as an MDI child of that frame. Hitting PF9, which is assigned to MDINext by default, allows the user to easily navigate between the MDI child windows.

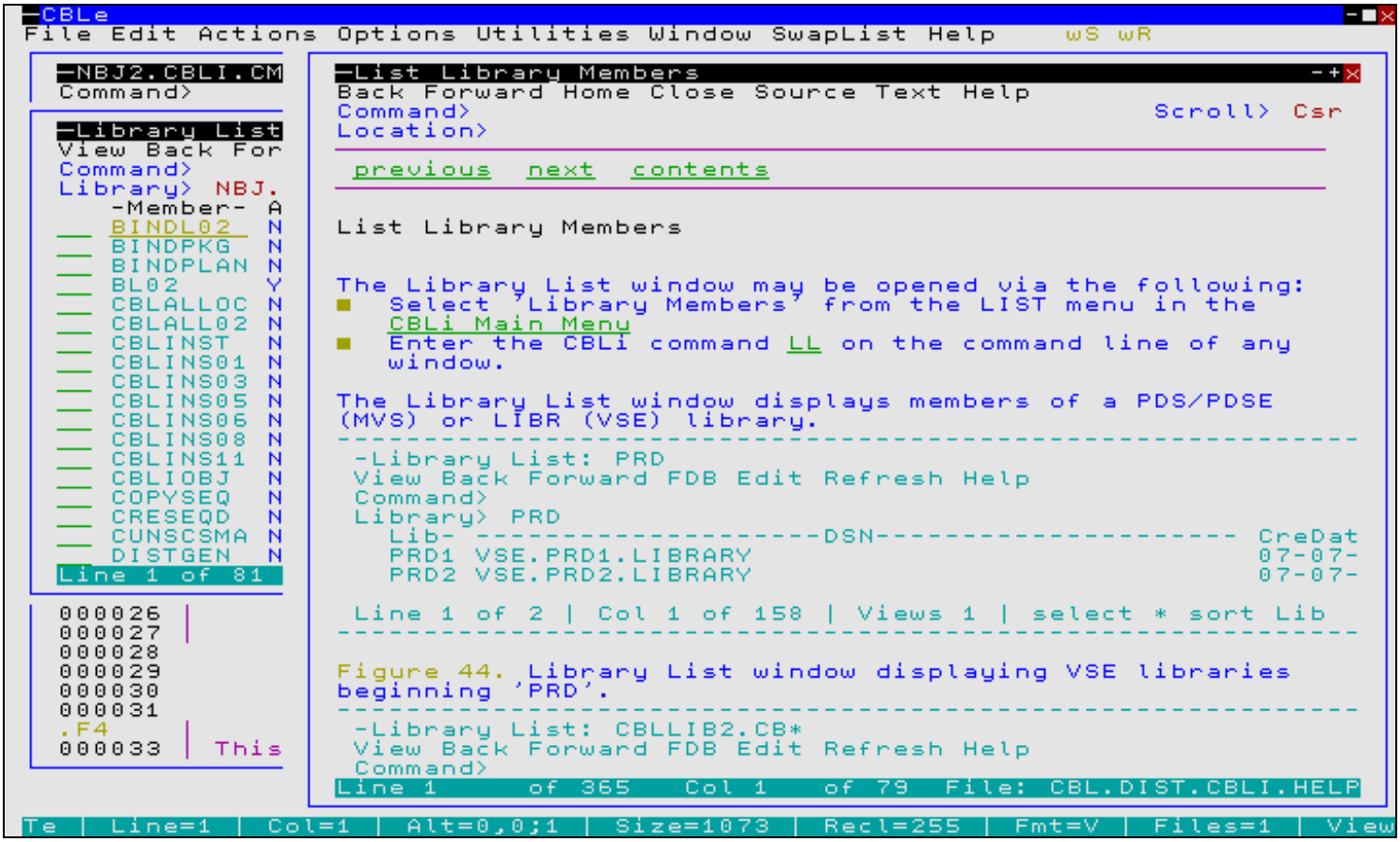
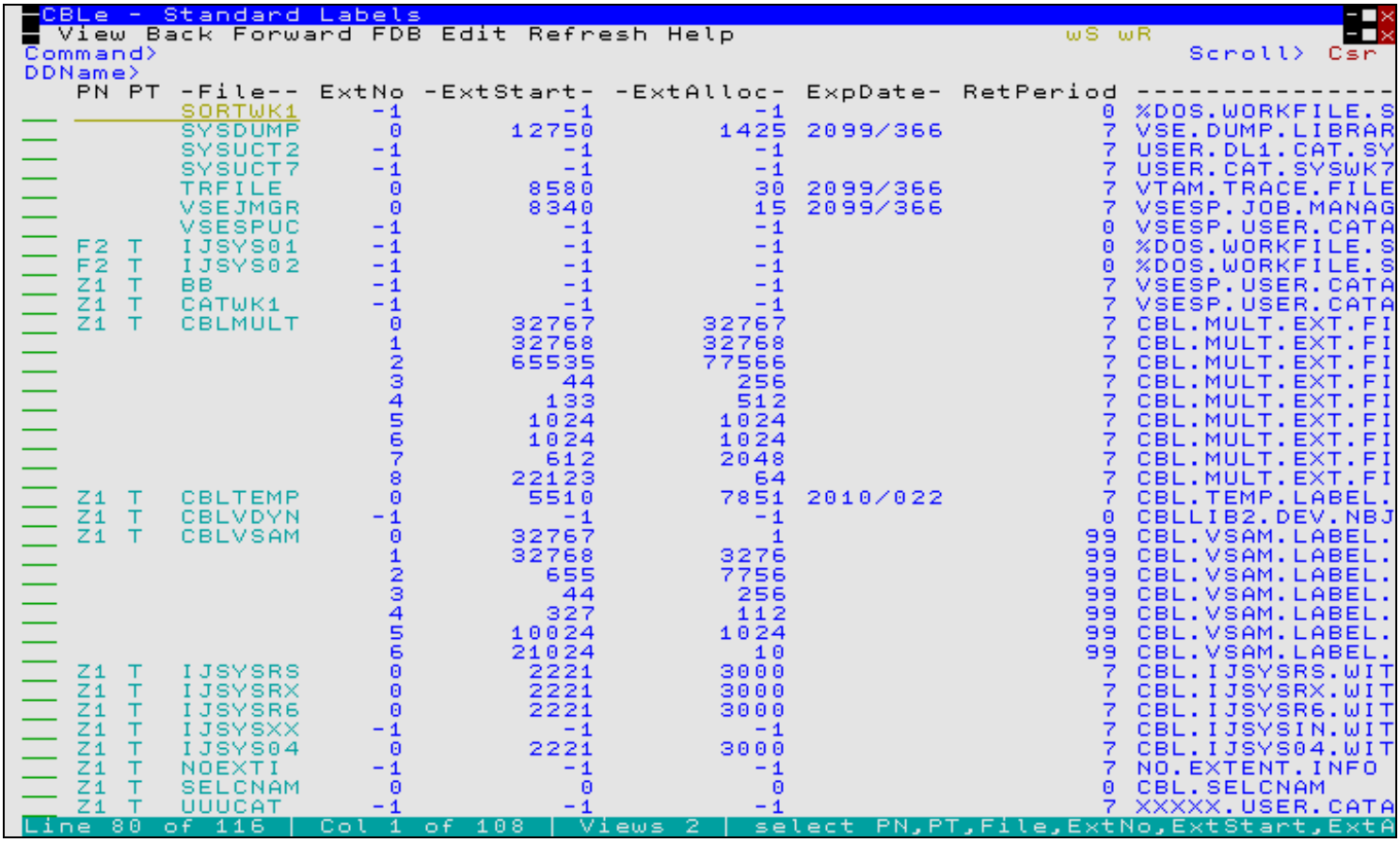


Figure 7. HELP MDI Child Window.

VSE: List Standard Labels

Contents of the VSE Standard Labels List window have been improved to include individual extent information, expiry date, retention period, buffer space, an FBA indicator and CISIZE.

Where information for individual fields are uninitialised, then the null indicator (-1) is displayed. e.g. If EXTNO field is null, then no extents have been associated with the label.



CBLe - Standard Labels

View Back Forward FDB Edit Refresh Help wS wR

Command>

DDName>

Scroll> Csr

	PN	PT	-File--	ExtNo	-ExtStart-	-ExtAlloc-	ExpDate-	RetPeriod	----------
___			SORTWK1	-1	-1	-1		0	%DOS.WORKFILE.S
___			SYSDUMP	0	12750	1425	2099/366	7	VSE.DUMP.LIBRAR
___			SYSUCT2	-1	-1	-1		7	USER.DL1.CAT.SY
___			SYSUCT7	-1	-1	-1		7	USER.CAT.SYSWK7
___			TRFILE	0	8580	30	2099/366	7	VTAM.TRACE.FILE
___			VSEJMGR	0	8340	15	2099/366	7	VSESP.JOB.MANAG
___			VSESPUC	-1	-1	-1		0	VSESP.USER.CATA
___	F2	T	IJSYS01	-1	-1	-1		0	%DOS.WORKFILE.S
___	F2	T	IJSYS02	-1	-1	-1		0	%DOS.WORKFILE.S
___	Z1	T	BB	-1	-1	-1		7	VSESP.USER.CATA
___	Z1	T	CATWK1	-1	-1	-1		7	VSESP.USER.CATA
___	Z1	T	CBLMULT	0	32767	32767		7	CBL.MULT.EXT.FI
___				1	32768	32768		7	CBL.MULT.EXT.FI
___				2	65535	77566		7	CBL.MULT.EXT.FI
___				3	44	256		7	CBL.MULT.EXT.FI
___				4	133	512		7	CBL.MULT.EXT.FI
___				5	1024	1024		7	CBL.MULT.EXT.FI
___				6	1024	1024		7	CBL.MULT.EXT.FI
___				7	612	2048		7	CBL.MULT.EXT.FI
___				8	22123	64		7	CBL.MULT.EXT.FI
___	Z1	T	CBLTEMP	0	5510	7851	2010/022	7	CBL.TEMP.LABEL.
___	Z1	T	CBLVDYN	-1	-1	-1		0	CBLLIB2.DEV.NBJ
___	Z1	T	CBLVSAM	0	32767	1		99	CBL.VSAM.LABEL.
___				1	32768	3276		99	CBL.VSAM.LABEL.
___				2	655	7756		99	CBL.VSAM.LABEL.
___				3	44	256		99	CBL.VSAM.LABEL.
___				4	327	112		99	CBL.VSAM.LABEL.
___				5	10024	1024		99	CBL.VSAM.LABEL.
___				6	21024	10		99	CBL.VSAM.LABEL.
___	Z1	T	IJSYSRS	0	2221	3000		7	CBL.IJSYSRS.WIT
___	Z1	T	IJSYSRX	0	2221	3000		7	CBL.IJSYSRX.WIT
___	Z1	T	IJSYSR6	0	2221	3000		7	CBL.IJSYSR6.WIT
___	Z1	T	IJSYSXX	-1	-1	-1		7	CBL.IJSYSIN.WIT
___	Z1	T	IJSYS04	0	2221	3000		7	CBL.IJSYS04.WIT
___	Z1	T	NOEXTI	-1	-1	-1		7	NO.EXTENT.INFO
___	Z1	T	SELCNAM	0	0	0		0	CBL.SELCNAM
___	Z1	T	UUUCAT	-1	-1	-1		7	XXXXX.USER.CATA

Line 80 of 116 | Col 1 of 108 | Views 2 | select PN,PT,File,ExtNo,ExtStart,ExtA

Figure 8. VSE Standard Labels List Window.

All: SELCOPY Debug SYSIN/SYSIPT Input

On entry to the SELCOPY Debug application, the user is prompted to supply the source data set (DSN or DDname) for the SELCOPY control statement input.

Previous releases gave a file load error message if this data set did not already exist on DASD. This meant that users could not start developing new SELCOPY code from within the Debug environment.

SELCOPY/i 1.70, however, tolerates this situation and so allows the user to proceed with the execution of SELCOPY Debug. On entry to SELCOPY Debug, an empty SYSIN/SYSIPT CBLe text edit view is opened for the specified data set and message SDB002E "SELCOPY has ended with control card errors" is returned.

Having selected OK to continue, the user then has the opportunity to insert SELCOPY control statements in the SYSIN/SYSIPT window, save the changes (and so allocate a new data set) before finally executing RERUN to begin debugging the new SELCOPY code.

All: CBLi 1.60 Zaps applied

Zap ID	Op. Sys.	Query Ref.	Description
I160z01	MVS	(IQ01833 - 2009/03/25)	0C4 at SDEFWIN2+0784 intermittently when using FIND/CHANGE in SDE.
I160z02	MVS	(IQ01835 - 2009/03/25)	SDE of a VRRDS with no structure defined causes a loop.
I160z03	MVS	(IQ01834 - 2009/03/25)	0C4 at SDEFSEO4+0220 may be experienced with FIND/CHANGE/LOCATE following display of an I/O Progress window.
I160z04	MVS	(IQ01840 - 2009/03/31)	Scrolling backward through records in a single-record (ZOOMed) SDE view with SHADOW OFF where multiple record-types are defined, but only one record type is in-VIEW, may result in skipped records.
I160z05	All	(IQ01841 - 2009/03/31)	Help windows were not added to the Multiple Document Interface (MDI) ring.
I160z06	All	(IQ01846 - 2009/03/31)	LOCATE n in SDE, and text-edit with INTERFACE=ISPF and minimum abbreviation 'L', uses the XEDIT form of the operation which scrolls to relative line n, instead of to absolute line n as intended.
I160z07	All	(IQ01845 - 2009/04/02)	Colour yellow the 1st entry displayed on screen of any list-type window e.g. dataset, library member list etc. This is to highlight that this field is enterable to allow scrolling of the list to the entered value.