

BB4GL Program Descriptions

These programs can be invoked from TCL or from Procs to achieve various ends. Explanations for use and syntax follow the commands. Many commands do not have command-line options but will prompt the user for needed information.

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UTIL..... Description.....

A.RESTORE.B          performs a modern BB4GL account restore to D3 for portability
** Steps:
** CREATE-ACCOUNT which you wish to restore.
** Log to that account.
** place this program in a file in that account, compile it.
** You may catalog it if you desire.
** type RUN filename A.RESTORE.B d:\path\file
** run the program.
** This is intended to be run on a Prime-style platform:
** using OS files, which would be created from tape or other storage
** UniData should use the .T version
** Adding /M as an option at the end of the A.RESTORE.T statement will
** skip restoring the MD.
A.RESTORE.D3        performs a modern BB4GL account restore to D3 for portability
** Steps:
** CREATE-ACCOUNT which you wish to restore.
** Log to that account.
** place this program in a file in that account, compile it.
** You may catalog it if you desire.
** Attach the tape to a C: or H:, etc. drive and file which you saved.
** use a block size of 500
** run the program.
A.RESTORE.T          performs a modern BB4GL account save on mvBase for portability to any
** CREATE-ACCOUNT which you wish to restore.
** Log to that account.
** place this program in a file in that account, compile it.
** You may catalog it if you desire.
** Attach the tape to a C: or H:, etc. drive and file which you saved.
** use a block size of 512
** run the program.
** This is intended to run on a Pick-style platform using tape interfacing
** although the tapes can be virtual tapes.
** (UniVerse should use the .B version)
** (UniData should use this version)
** Adding /M as an option at the end of the A.RESTORE.T statement will
** skip restoring the MD.
A.SAVE.B             performs a modern BB4GL account save on mvBase for portability
** Steps:
** Log to the account you wish to save.
** place this program in a file in that account, compile it.
** You may catalog it if you desire.
** type RUN filename A.SAVE.B d:\path\file (opt
** run the program.
** This is intended to be run on a Prime-style platform where (opt =
** (Q = QM
** (V = uniVerse
** using OS files, which would then be copied to tape or other storage
** UniData should use the .T version
A.SAVE.D3            performs a modern BB4GL account save on D3 for portability
** Steps:
** Log to the account you wish to save.
** place this program in a file in that account, compile it.
** You may catalog it if you desire.
** Attach the tape to a C: or D: or H:, etc. drive and file.
** use a block size of 500
** run the program.
A.SAVE.T             performs a modern BB4GL account save on mvBase for portability to any
** Log to the account you wish to save.
** place this program in a file in that account, compile it.
** You may catalog it if you desire.
** run the program, noting the spooler # created
** Attach the tape to a C: or D: or H:, etc. drive and file.
** use a block size of 512
** type SP-EDIT spooler# (T
** detach the tape
** This is intended to run on a Pick-style platform using tape interfacing
** although the tapes can be virtual tapes.
** (UniVerse should use the .B version)
** (UniData should use this version)
ACC-F                USERACCOUNT-WIDE FIND.
                    ACC-F SearchString
ALIAS                Aliases common verbs for easier use. Internal use.
ALLBRCOPY            COPIES ANY ITEM TO ALL BRANCHES. Internal use.
ASCII                tests ASCII values from TCL.
                    ASCII c
AUTOSIZE             AUTOMATICALLY RESIZES A FILE BY:
BB.GET-LIST          provides GET-LIST function for BB.TCL. For future use.
BB.LIST              BB4GL version of Pick LIST TCL command. For future use.
BB.SAVE-LIST         provides SAVE-LIST function for BB.TCL. For future use.
BB.SORT              BB4GL version of Pick LIST TCL command. For future use.
BCORR.TO.UCORR      creates UCORR synonyms of BCORRS
BOOT                WORKS TO BOOT IF ATTEMPT TO LOGTO FAILS FROM A MENU. Internal use.
BUILDDICT            BUILDS A UPD.DICT ITEM FROM AN ENTIRE DICTIONARY.
                    BUILDDICT FileName
BUILDKEYWORD         REBUILD KEYWORD FILES
BUILDVENPROD         REBUILD VENPROD FILES
CALL                Calls any cataloged subroutine
CHAIN.OFF            chains off at @TCL

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CHANGE.DICTS Changes attributes 14, 15, 16 to 31, 32, 33 in dicts. Internal use..

CHAPIT For internal use.

CHAPIT2 for internal use

CLA Does a COPY-LIST by BB4GL auth name.

CLP CLA ListName Does a COPY-LIST by port.

CLP ListName

COLLATE PROGRAM TO COLLATE ALL INCLUDES IN A PROGRAM INTO A SINGLE ITEM

COLLATE ProgName

COMMONUTILSTART Initializes BB4GL commons. Use in logon Proc in every account using BB4GL

COMP.PROGS PROGRAM TO COMPARE TWO ITEMS FOR DIFFERENCES

COMPARELIST EMULATES PICK SYSTEMS COMPARE-LIST VERB, WHICH DOES THE FOLLOWING:

*** COMPARELIST {FILENAME.1} LISTNAME.1 {OPERATOR} {FILENAME.2} LISTNAME.2 > {FILENAME.3} {LISTNAME.3} {/OPTIONS}

*** WHERE OPERATOR IS ONE OF THE FOLLOWING:

*** & = AND (INTERSECTION) OF TWO LISTS = ONLY THOSE ITEMS THAT ARE IN BOTH LISTS ARE SAVED

*** # = NOT (EXCLUSION) OF TWO LISTS = THOSE ITEMS THAT EXIST IN ONLY ONE LIST ARE SAVED.

*** = OR (UNION) OF TWO LISTS SAVES THOSE ITEMS IN EITHER.

*** + = CONCENTRATION OF LISTNAME.2 BEHIND LISTNAME.1

*** - = REMOVES LISTNAME.2 ITEMS FROM LISTNAME.1

*** WHERE OPTIONS ARE:

*** G = PERFORMS A GET-LIST ON THE RESULTING LIST (LISTNAME.3 IF SPECIFIED OR LISTNAME.1 IF NOT SPECIFIED)

*** D = REMOVE DUPLICATES FROM SAVED LIST

*** S = GENERATES AND DISPLAYS STATISTICS

*** ? = DISPLAYS HELP TEXT ON SCREEN

*** IT DIFFERS IN SYNTAX FROM THE PICK SYSTEMS VERB IN THAT A > IS REQUIRED BETWEEN THE SECOND AND THIRD LIST REFERENCES. THIS

*** ALLOWS THE LIST NAMES THAT ARE THE SAME AS FILE NAMES TO BE USED.

*** ALSO, OPTIONS MUST BE PRECEDED BY /, NOT (.

*** FILENAMES DEFAULT TO FILENAME.1, WHICH DEFAULTS TO LISTFILE

*** IF ON PICK SYSTEMS O/S, FOLLOWS PICK SYSTEMS SYNTAX (CHAINS TO COMPARE-LIST).

COU SAME FUNCTION AS SYSTEM COUNT FUNCTION.

CREATE-RTFILES CREATES RTFILE DATA SECTIONS AT INSTALLATION TIME.

CSELECT.BCK WILL 'QSELECT' VALUES FROM MULTIPLE ATTRIBUTES IN A FILE, NOT JUST ALL OR ONE. OBSOLETE

DELATT WILL DELETE SPECIFIED ATTRIBUTE IN ANY SELECTED GROUP OF ITEMS. (OR FROM ALL ITEMS IN A FILE IF NO SELECT LIST CREATED FIRST.)

DELETE.BCK WILL DELETE THE AMC,VMC,SVMC IN ALL ITEMS SELECTED (OR FROM ALL IF NO SELECT LIST PRESENT.) Obsolete

DELETELIST DELETES LISTS

DELETELIST ListName1 ListName2 ...

DEMO.EDINPUT demonstrates different modes of EDINPUT5

DLA Does a DELETE-LIST by BB4GL auth name.

DLA ListName

DLP Does a DELETE-LIST by port.

DLP ListName

DOCED Edits text using Notepad, Wordpad, Word, Doc-edit, and Editor

DOCED.G.MADE for internal use

DP DECATALOGS AND DELETES SPECIFIED PROGRAMS.

DP ProgramName

DT CONVERTS DATES FROM INTERNAL TO EXTERNAL FORMATS & VICE VERSA. TCL VERB.

DT IDate

DTE A simple external to internal date conversion program. Keep.

DTE ODate

DUMMY used to fool the AccuTerm menu tree program

DUMPS DISPLAYS PROCESS WORKING MEMORY

ELA Does a EDIT-LIST by BB4GL auth name.

ELA ListName

ELP Does a EDIT-LIST by port.

ELP ListName

EXCEL Passes text to MS EXCEL (synonym EC)

EXCEL FileName ItemName1 ItemName2 ...

EXIT Returns a user from tcl to their previous logon.

EXPORT.MVBASE Export, Transform, and Load (ETL) back end for mvBase

EXPORT.MVBASE.F Export, Transform end form, and Load (ETL) for mvBase

EXPORT.UNIX exports to unix

EXTRACT WILL CREATE A SELECT LIST FROM THE VALUES IN THE AMC,VMC,SVMC YOU SPECIFY FROM THE ITEMS YOU SPECIFY

FDELETE FAST DELETE. NO RECOVERY POSSIBLE. RECOMMENDED FOR BATCH DELETIONS WHERE NO RECOVERY IS POSSIBLE ANYWAY.

FDELETE FileName [ItemNames]

FDf DATA FILE SIZING FRONT END.

FILESETUP SETS UP FILES HAVING MULTIPLE DATA SECTIONS.

FIND-DX FINDS DX AND DY POINTERS

FIND-DX.2 a relic. should be changed to find DYS also.

FIND.BCORR makes a map of BCORR and their dictionaries.

FINDIT WILL FIND ALL ITEMS CONTAINING ANY OF THE STRINGS YOU SPECIFY.

*** THIS PROGRAM, IN CONJUNCTION WITH THE PROC CALLED FIND IN THE M/DICT, IS ABLE TO SELECT THOSE ITEMS FROM THE FILE YOU SPECIFY WHICH HAVE THE STRING(S) YOU SPECIFY SOMEWHERE IN THEIR NAME OR BODY. IT MAY BE PRECEDED BY A SELECT LIST IN ORDER TO LIMIT THE SEARCH.

**** THE FORMAT IS AS FOLLOWS ON THE NEXT LINE -

**** FIND filename "string1" "string2" "string3" "string4" "string5" ... "stringN"

**** NOTE: WHEN SPECIFYING MULTIPLE STRINGS SPACES MUST BE PLACED BETWEEN EACH QUOTED STRING ENTRY. ANY NUMBER OF STRINGS MAY BE SPECIFIED.

**** SEVERAL THINGS ARE REQUIRED TO BE DONE BEFORE IT WILL WORK ON A NEW ACCOUNT. THE M/DICT ENTRY "FIND" MUST BE COPIED TO THE M/DICT OF THE NEW ACCOUNT. THEN EITHER THIS PROGRAM MUST BE COPIED TO A FILE ON THE ACCOUNT AND COMPILED OR A Q-POINTER MUST BE MADE TO THIS FILE, UTIL.BP . OBVIOUSLY, IN ORDER TO COPY THESE ITEMS A Q-POINTER MUST BE MADE ANYWAY, SO UNLESS SECURITY REASONS DICTATE OTHERWISE, THE Q-POINTER TO THE UTIL.BP FILE MIGHT AS WELL BE LEFT AND THE NEED FOR THAT COPY TO BE MADE AVOIDED. THE M/DICT COPY WILL STILL HAVE TO BE MADE.

**** FOR A NEW PROCESS (LINE), A DATA FILE MUST BE CREATED FOR IT TO USE. ONLY THE DATA SECTION MUST BE CREATED AS IT WILL SHARE A DICTIONARY WITH OTHER FILES. IT MUST BE CALLED "PROCESSFILE,02" OR 03 OR 04 OR WHATEVER YOUR PROCESS NUMBER IS. THIS FILE STRUCTURE ENSURES THE INTEGRITY OF THE RESULT OF THE SELECTION PROCEDURE.

FIX.DATE run to make sure that all dates and times are right justified.

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FIX.PROCCONV.EXTRAS      Temp program to remove IPs associated with PROCCONVs in Procs
FIX.PROCCONV.EXTRAS.2   Temp program to remove IPs associated with PROCCONVs in Procs
FLATTEN                  Simple Extract, Transform, & Load through LISTFILE
FORMATTER                Formats Pick Basic source code
                        FORMATTER FileName ItemName1 ItemName2 ItemName3 ... (margin,indent -AL
                        (also -AL aligns comments with margin
                        -NOAL puts them all to the left margin
FSIZE                    FILE SIZING FRONT END.
FUNCTION.LOAD.1          LOADS FUNCTION KEYS INTO ADDS EMULATIONS.
FUNCTION.LOAD.2          LOADS FUNCTION KEYS ON ADDS EMULATIONS.
FUNCTION.MAINT           MAINTAINS FUNCTION KEYS IN A FILE.
GENERATE.MAP.BLOB       Builds and writes parameter BLOB for menu and system mapping. For internal use.
GLA                      Does a GET-LIST by BB4GL auth name.
                        GLA ListName
GLP                      Does a GET-LIST by port.
                        GLP ListName
GUI.MENU.PROCESSOR      Launches AccuTerm style menus. Accuterm sample program
HANGMAN.GAME            Hangman game written in response to Sr. Pick Programmer position test
ICONV                   executes an ICONV at TCL
                        ICONV Value Conversion
INIT.MENU.COMMANDS      Initials menu commands. For internal use.
INSERT                  WILL INSERT BEFORE THE AMC,VMC,VMC YOU SPECIFY THE STRING YOU SPECIFY IN ALL ITEMS YOU SPECIFY.
Install.bat             internal use
JOIN.LIST               Joins save lists.
                        JOIN.LIST ListName1 ListName2 ListName3 ...
KINDOFMENU             TELLS PROC WHETHER USING PROC OR BAR MENUS  Obsolete
LAUNCH                 Uses AccuTerm to launch a DOS application
                        LAUNCH PathToApplication PathToDosFile
LAUNCH.WORDPROCESS.PROC Launches Windows word processing from Proc
                        Stack type p=WORDPAD, w=Word, C=excel, N=Notepad
                        Stack DOSFileName
LIST.MANAGE             Helps manage saved lists. For internal use.
LISTCATTC              DISPLAYS CATALOG OF AVAILABLE TC ITEMS.
LISTDATAFILES          Lists files and their sizes
LOAD                   LOAD PROGRAM. Used with UPD
LOAD.IMAGE             Loads binary data from server C: drive. For future use.
LOADIT                 Loads data into fields via prompts and dictionaries
LOGOFF                LOGS OFF ALL USERS.
LOGON.TEST             TESTS WHETHER THIS EXECUTION OF LOGON PROC IS DUE TO A NEW LOGON OR DUE TO A REBOOT OF IT FOR OTHER
                        REASONS. For internal use.
LOGONSETUP            ASSIGNS TERM AND SP-ASSIGN SETTINGS AT LOGON ACCORDING TO WHAT IS SPECIFIED IN THE SP.AS-MENTS FILE.
LOWER.MD               Creates lower case versions of MD items
MAKE.DICTS             Makes right justified master dictionary items
MAKE.SAVE.NAME        Used on SYSPROG to make the save name for R SAVE.ALL. For internal use.
MENUBOOT              BOOTS MENU
                        Stack MenuFile
                        Stack MenuName
MENDU                 Menu version of report writer
MESSAGEBOARD          REGULAR MESSAGEBOARD.
NEW132                CHANGES TERMINAL DISPLAY TO 132 CLOUMNS.
NEW80                 CHANGES YOUR TERMINAL TO 80 COLUMNS.
NFIND                 FINDS ALL ITEMS THAT DO NOT CONTAIN ANY OF THE SPECIFIED STRINGS.
                        NFIND "String"
NOTEPAD               Edits text using NOTEPAD
                        NOTEPAD FileName ItemName
NSELECT.BCK           REMOVES FROM A LIST ALL ITEMS PRESENT IN THE FILE YOU SPECIFY. For internal use.
OCONV                 executes an OCONV at TCL
                        OCONV Value Conversion
OFF                   Determines action on logoff. Use to logoff from TCL on BB4GL-using accounts
OFF2                  Determines action on logoff. For internal use.
ON                    slave printer on
ORIG.COLORS           Restores original Purveyor/4GL color and border settings
PCL                   PROC CUSTOMER LOOKUP
                        Stack ProcBufferPointer
PHANTOM               PHANTOM PROCESS MANAGER.
PHANTOMSTATUS         REPORTS ON STATUS OF ALL PORTS ON SYSTEM.
PHCONTROL             used to help manage the Tandem/phantom processor. Internal use.
PHCONTROL2           Helps control phantoms. for internal use
PR.START              Starts Proc BPs.
                        PR.START [PR.S.]BasicProcName
PRINT.MENU.MAP        prints the map generated by my program which loads the AccuTerm Single menu
PRINTER              Updates TERM settings for printers w/o having to type the whole thing out.
                        PRINTER width, depth
PROC.TO.BP            Translates PROC language programs to Basic language programs. Precede w/ Select List.
PROCCOMP             COMPARES DATE INPUT TO SECOND DATE. IF FIRST IS GREATER THEN VALID.
                        Stack Date1
                        Stack Date2
                        Returns Err 628 if ok, 629 if not (in PROC secondary output buffer)
PROCCONV             VALIDATES ANY VALUE OR DATE VIA THE BASIC ICONV AND OCONV FUNCTIONS PASSED INTO IT, USUALLY THROUGH
                        PROC.
                        Stack BCUFFNO
                        Stack CNV
                        Stack TYPE
                        Stack UPDATE
                        Stack LGT
                        Returns data entered
PROCVLID             PROGRAM TO VALIDATE ITEM ID'S ENTERED THROUGH PROC.
*** FIRST INPUT IS THE FILE NAME OR 'DICT'
*** IF 'DICT' THEN FILE NAME IS INPUT.
*** THEN ITEM ID IS INPUT.
*** THEN THE ATTRIBUTE MARK COUNT OF THE ATTRIBUTE YOU WANT DISPLAYED
*** AND VALIDATED.
*** IF YOU DON'T WISH THE OPERATOR TO BE PROMPTED TO VALIDATE, ENTER
*** 0 . THIS WILL HAVE THE PROGRAM TRY TO READ THE ENTIRE ITEM, NOT
*** JUST ONE ATTRIBUTE.

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*** INVALID PARAMETERS PASSED WILL ALSO INVALIDATE DATA ENTRY.
PUT.IN.PS          for internal use.
PUT.IN.PS.PROC    For internal use.
PW                PASSWORD PROGRAM for internal use.
FW.ALL           Sets all system passwords to the same value
R               Consistency with old code

      R ProcName
RAM.WINCOPY      Performs Windows copies and deletes
* Format: WINCOPY srcfile item1 item2 item3 .....
*           TO:{{(destfile)} {item1 item2 item3 ...}}
*
* srcfile And destfile are parsed as follows:
*
* if file[2,2] = ':' then it is a dosfile
* if file[1,2] = '\\\' then it is a dosfile
REC-FD           RECOVERS ITEMS DELETED BY UTIL ED, UTIL DELETE.
REC-FS           Obsolete. USED FOR RECOVERY FROM EDITOR MISTAKES.
REC-GFE          helps recover lost data from Group Format Errors
REPLACE         WILL REPLACE THE AMC,VMS,SVMC OF ALL ITEMS SELECTED WITH THE REPLACEMENT VALUE SPECIFIED.
RESTORE.IT      SELECT RESTORE PROMPT SEQUENCE.
RRM             Front end for RRR program for menus, to prompt to Begin or not.
      RRM FileName ItemName
RRR             PROGRAM TO EXECUTE TCL STATEMENTS.
      RRR FileName ItemName /x
                Where x=T for terminal, P for printer, E for Excel, A FOR ms Access, W for Word
RVOFF           turns reverse video off from TCL.
SEARCH          WILL FIND ALL ITEMS CONTAINING ANY OF THE STRINGS YOU SPECIFY.
*** File name of ALL will select from files in:
***     PARAM SEARCH.FILE.NAMES
*** File name of ALL.FILES will select from all local files in MD
*** File name of ALL.QS will select from all Q-pointed files in MD
*** if this is not present, it will use a default list within this prgm.
*** Multiple file names may also be specified using:
***     SEARCH FILEA;FILEB;FILEC ...
*** Options are:
*** /E to edit items found
*** /S to create a select list (can only work with one file)
*** /H to highlight in reverse video found strings
*** /U to uppercase everything for case insensitive search
*** /I to list only the item ids, not the found strings.
*** /P to list to the printer
*** specifying no option defaults to displaying found strings on screen
SEARCHER        a good file searcher.
SENDMESSAGE     SENDS MESSAGES
SET             used to update fields using a select list, along the same line as REPLACE
      SET FileName Dict1 = Dict2 + Dict3
      SET FileName Dict1 = Dict2 * Dict3
      Can also / or : or -
      Can use literal strings instead of Dictionaries
      Handles multi-values
SET.MENU.COMMAND.DESC initializes menu command descriptions. For internal use.
SET.OKIDATA     SETS PRINTER CHARACTERISTICS FOR OKIDATA ML294
SETDATE         SET DATE PROMPT SEQUENCE.
SETTIME         SET TIME PROMPT SEQUENCE.
SETUP.ACCUTERM.SUI uses standard SETUP.ACCUTERM.COLOR:S #2
SHOW.SYSTEM.VAR a useful program to show SYSTEM() variables.
SIZEFILES       SIZES FILES
SLA             Does a SAVE-LIST by BB4GL auth name.
      SLA ListName
SLP             Does a SAVE-LIST by port.
      SLP ListName
SP-ASSIGN       used to change spooler assignments, substitutes for the original verb
SP.ASSIGN       Compatibility for QM and UV
SPELLCONV       PROGRAM TO CONVERT SPELLING DICTIONARY OF OPEN ARCHITECTURE TO NON O/A USABILITY.
SPELLCONV2      PROGRAM TO CONVERT NON O/A USABLE SPELLING DICTIONARY TO O/A USABILITY.
STACKER         TCL STACKER FOR STANDARD PICK MACHINES. Can also use S
STST           LIST STACK STATUSES FOR SYSPROG MENU.
SX.BUILD        BUILDS SOUNDEX CROSS REFERENCES
SYS.LOGON.G     GUI System logon
SYS.LOGON.ICONS Shows icons at SYS.LOGON. for internal use,
SYSTEM.MAP      For future use
T-RETEN        Retentions tapes
TCL.PRINT.SCREEN Prints screens and invokes help from TCL.
TERM132         CHANGES TERMINAL DISPLAY TO 132 CLOUMNS.
TERM80          CHANGES YOUR TERMINAL TO 80 COLUMNS.
TM             CONVERTS INTERNAL TIME TO EXTERNAL AND VICE VERSA.
      TM Time
TODAY          PUTS TODAY'S DATE INTO PRIMARY INPUT BUFFER.
TRM            Sets TERM and extended columns and rows
      TRM Width,depth
ULTSTACKER     TCL STACKER FOR THE ULTIMATE BRAND OF MACHINES. (DOES NOT COMPILE ON ANY OTHER!!!!!!)
UPD            UPDATE PROCESSOR. CAN CREATE OR MAINTAIN ITEMS IN ANY FILE YOU PERMIT IT TO.; (synonym UP)
UPD.SETUP      BUILDS UPDATE DICTIONARIES
USERFIELDS     PUTS USER FIELDS ON ALL DICTIONARIES
VIEW.SPOOLER   Displays 60 rows for displaying spooler items.
WED2           Edits text using AccuTerm WED editor
      WED2 FileName ItemName1 Itemname2 ...
WORD           Edits text using MSWord (synonyms WD, WINWORD)
      WORD FileName ItemName1 Itemname2 ...
WORDPAD        Edits text using WORDPAD (synonym WF)
      WORDPAD FileName ItemName1 Itemname2 ...
WRITE.EXIT     WRITES LAST ACCOUNT THAT PORT WAS ON BEFORE LOGGING TO. FOR INTERNAL USE.
off            chains to OFF
Notes:
NP, NOTEPAD, EC, EXCEL, WD, WORD, WP, WORDPAD, WED2, FORMATTER, SEARCH, etc. will run from SELECT lists and * for all, too.

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