

FM/2

The Swiss Army Knife of File Managers

Warpstock Europe 2024

Basic File Functions

- Most of these can be performed multiple ways
 - Menus
 - Accelerator keys
 - Drag & Drop
 - Direct editing
- Some allow you to transparently use your own favorite tool.
 - Compare

System Tools

- Kill process
- Undelete (OS2 Del directory must be set)
- Palettes
- Instant CMD
- Command lines
- Objects/Shadows
- Partitioning/Formatting
- Check Disk

Object Creation

- Creates real objects and shadows
- Creates Java executables from jar files
 - Java exe is user selected
 - FM/2 saves the selection
 - User can change it at anytime
 - User selects the icon (desktop restart recommended)
- Change use to create all the objects for an application including a new folder

File Viewing

- A basic viewer and a file editor are included
 - Viewer email and url link identification greatly enhanced
 - Improved layout and format in NewView viewer and View editor
 - Use your own favorite text and binary viewers and editors
 - Set your own url mailto and ftp programs for handling links

File Viewing

- Associations
 - Why we have our own
 - Using OS/2s
- Commands
- Toolboxes

File Viewing Cont

- Archives*
 - Requires the archiver executable (e.g. unzip.exe) be in the path or have the full path in archiver.bb2.
 - Supports 12 different types of archives
 - 33 total versions You can add your own
- INI Files*
- Regular & Extended Attributes
 - Now shows when Eas are flagged as critical
 - *Stand alone version included

File Organizing Tools

- Compare directories
 - Custom directory syncing
 - Compare to a snapshot file
 - See all files*
 - View and manipulate all the files on a drive
 - Seek and scan files*
 - Dup finder
 - Save common searches
 - Search as much or as little of the system as needed
- * Stand alone version included

File Organizing Tools

- File collector*
 - Mass act on individual or multiple file types across directories, drives or the entire system
- INF/HLP Bookshelf Viewers*
 - Show all the hlp/inf books available in your help and bookshelf paths
- Clipboard/List Files
 - Provide a list of files to you with as few or as many details as needed
 - * Stand alone version included

Drive Organizing Tools

- Directory Sizes
 - Will show what is hogging all that space
- See All Files
- Vtree
 - Drive tree to use instead of the drives folder

Configuring for Different Tasks

- States
 - FM2Shutdown
- FM/2 Command line
 - -X:\UNIQUEDIR\MYINI.INI
 - Make a different object for FM/2
 - Set the starting directories
 - Set drive flags
- FM2 Lite
- Vtree/Vdir

Remember the Regular Things

- User directories
- Recently used directories
- Search patterns
- Command lines
 - Environment
- Filters
- Remapped Drives
- Default Target

Utility programs

- BEEP.EXE
 - Makes a beep noise.
- CRC.EXE
 - Calculates and prints the CRC of a file or files.
- CVT4OS2.CMD
 - Converts 4DOS/4OS2 non-standard DESCRIPT.ION files to WPS-standard .SUBJECT EAs (see comments in program).

Utility programs

- CVTFBBS.CMD
 - Converts FILES.BBS file comments to WPS-standard .SUBJECT EAs (see comments in program).
- DELTREE.EXE
 - Deletes a directory and all its subdirectories and files.
- DRVRLIST.EXE
 - Lists all mounted drivers. Use /w switch for a "wide" listing.

Utility programs

- `DRVTYPESEX.EXE`
 - Lists all drives with information on their types.
- `DSTART.EXE`
 - A `START` command that will work from DOS VDMs (penalty box).
- `EA.EXE`
 - An extended attribute manipulation program. Can be used to zap all the EAs from REXX `.CMD` files.

Utility programs

- EJECT.EXE
 - Eject media from a removable drive.
- FATOPT.EXE*
 - An OS/2 FAT optimizer -- defragment, condense freespaces, sort file and directory names, test sectors in system areas, test (and repair some damaged) clusters, report on drive usage.

Utility programs

- **FINDPATH.EXE**
 - List a PATH-style environment variable's directories (or LIBPATH), or find a file or files in those directories. Perhaps useful for tracking down files that appear in more than one directory on the PATH or LIBPATH.
- **FLUSH.EXE**
 - Flush file system caches and buffers (make system quiescent).

Utility programs

- FM2PLAY.EXE
 - Used by FM/2 to play multimedia files with the "Play Multimedia" command (requires MMPM/2).
- HPFSOPT.EXE
 - An HPFS optimizer
- ICONIFY.EXE
 - "Iconifies" image files, which is to say that it sets the icon of image files to be miniature versions of the image files.

Utility programs

- IMAGE.EXE
 - Used by FM/2 to quickly display image files (requires MMPM/2). Request a context menu for several options.
- ITEXT.EXE
 - Returns ERRORLEVEL 1 if a file appears to be a text (ASCII) file, 0 if not or file is inaccessible.
- KILL2.EXE
 - A timed deletion/touch/list utility.

Utility programs

- KILLPID.EXE
 - Kill processes by PID or title, or list PIDs of running processes.
- KEYLOCKS.EXE
 - Control state of num lock, caps lock, scroll lock.
- LA.EXE
 - Lists the contents of archive files, extracts files from archives using one command without you having to know the archive type or archiver commands.

Utility programs

- **LINES.EXE**
 - Counts lines in text files.
- **LOCK.EXE**
 - Lock a removable drive.
- **MAKEOBJ.CMD**
 - Creates WPS objects for filenames -- program objects for programs, shadows for everything else -- on the desk

Utility programs

- MKPATH.EXE
 - Make directories many levels deep with one command.
- MOV.EXE
 - A MOVE command that can move between drives and optionally allows overwriting.
- MSENSIT.EXE
 - Set sensitivity of mouse.

Utility programs

- NO.EXE
 - Hides file system objects, then runs a command (excludes file system objects from a command).
- NOCAD.EXE
 - Disables/reenables (toggles) CTRL-ALT-DEL.
- OPEN.EXE
 - Opens a WPS object or website

Utility programs

- **PRIORITY.EXE**
 - A launch-with-priority program that lets you set the priority of other programs when you start them.
- **PTREE.EXE**
 - Displays the tree of a given path, several options.
- **QFORMAT.EXE**
 - Quick format floppies by zapping the root and FATs.
NOTE: Warp's FORMAT will do this now, too (/Q switch)

Utility programs

- QPLAY.EXE
 - Quiet play plays multimedia files via MMPM/2 without showing itself (perhaps useful from batch files).
- REBOOT.EXE
 - Reboots the system as though you'd pressed CTRL-ALT-DEL.

Utility programs

- REBOOTP.EXE
 - Reboots the system as though you'd pressed CTRL-ALT-DEL after broadcasting a WM_QUIT message to all children of the desktop and waiting 60 seconds for the applications to save their settings and quit (note that VIO and DOS applications will pop up their "Are you sure?" boxes, but you don't have to be there to answer (and shouldn't be -- use Shutdown instead if you're not automating), though such apps won't pick up on the hint to shut down).

Utility programs

- REMTAB.EXE
 - Removes TABs from text files.
- RENCASE.EXE
 - Renames files to the same name but all upper, lower or "mixed" case.
- RESET.EXE
 - Resets a drive

Utility programs

- **SAVEDESK.EXE**
 - Saves the Desktop, optionally restarts WPS by killing it and letting it restart itself.
- **SCOPY.EXE**
 - Copy new files and/or newer versions of existing files. Primarily intended for backup and synchronization.
- **SDIR.CMD**
 - Directory listing that shows .SUBJECT EAs

Utility programs

- SEEHELP.EXE
 - *.HLP viewer
- SMODE.EXE
 - Set screen modes for VIO/full screen sessions or reports on available modes.
- SNAPSHOT.EXE
 - Creates a "snapshot" file compatible with PMDMatch

Utility programs

- SR.EXE
 - Simple search-and-replace command, optional interactive mode. Intended to be used non-interactively for many files in a single pass.
- SRCH.CMD
 - A search command for OS/2 (finds text in files).
- STRIP.EXE
 - Filter that strips specified strings from in all subdirectories of the current directory

Utility programs

- SWITCHTO.EXE
 - Switch current or a specified process (by PID or partial title) to the foreground.
- TEST.EXE
- TEST.CMD
- TESTPM.EXE
 - Repeat all the arguments it receives; useful for debugging command lines and figuring out what arguments one program receives from another.

Utility programs

- TESTDRV.EXE
 - Test a drive. Should be run with a drive other than the one being tested as the default for best results.
- TESTFIND.EXE
 - Tests an IFS's DosFindFirst/Next implementation for troubleshooting.
- TESTHAND.EXE
 - Reports the number and type of inherited file handles.

Utility programs

- TESTRC.EXE
 - Runs a program and reports its return code.
- TYPERATE.EXE
 - Sets the typematic rate.
- UNARJER.CMD
 - Unarjs any arj file dropped onto it into the same directory where the arj file resides, then opens a folder for that directory

Utility programs

- **UNIQUE.EXE**
 - Counts the number of lines, words and unique words in a text file, gives a breakdown of how many times each unique word was used.
- **UNLOCK.EXE**
 - Unlock a removable drive.
- **UNLZHER.CMD**
 - Unlzhs any lzh file dropped onto it into the same directory where the lzh file resides, then opens a folder for that directory

Utility programs

- UNZIPPER.CMD
 - Unzips any zip file dropped onto it into the same directory where the zip file resides, then opens a folder for that directory.
- WHERE.CMD
 - A where command for OS/2; finds files on a specified or the default drive.
- WIPE.EXE
 - Wipes then erases files so that their data cannot be recovered. Meets DOD standards

Newest Changes

- Java object creation
- Fixed 1 of 2 traps that occur on rescan before scanning is complete
- Unlock
 - Fixed redundant error messages
 - Will only try to unlock dlls and exes
- Readonly check
 - Now works as expected
 - May occasionally ask again after don't ask on tree deletions

Newest Changes

- Added information on FM/2 as a WPS replacement to help files; a few additional documentation updates.
- Enhance compare directories to allow inclusion of subdirectories or use of a list file on opening
- Added a warning dialog when a delete, copy or move operation which replaces/deletes a read only file.

Newest Changes

- Cosmetic
 - Menu toggle for drag&drop and delete dialog use
 - Fixed some layout and formatting in Newview and View
 - Improve layout and formatting of dialogues to work with larger fonts
 - Fixed tree container corruption/trap on scan or rescan
 - Limited help open on quick settings page to once per session

Newest Changes

- Fixed trap on rescan while scan is running
- Fixed failure to make multiple real objects in some cases
- Fixed memory leak with direct edit of filenames in directory container.
- Fixed issues with broken linkage in container records on insertion and deletion.

Newest Changes

- Fixed trap on keyboard search of tree container
- Fixed spurious “no drop” on first subdirectories in tree container
- Fixed 0 eas, date and time on non-existent files in compare directories dialog
- Move dialog help buttons to lower right hand corner
- Move scanning to a background thread

Newest Changes

- Moved “expand all” to a background thread
- Should run in high memory
- Fixed some spurious error messages
- Direct edit fixes
- Fixed directory container compare selection issues
- Fixed attempts to “double free” container items

Issues

- CUA standard compliance for key assignments
- ISO unit use
- Get environment changes added to commands to actually work
- Get Archiver/2 to view RPMs
- Enhance the seek and scan command line to allow and file mask and search string to be passed

Thanks

- Development Help Welcome
 - OpenWatcom
- <http://svn.netlabs.org/fm2>
- ygk@qwest.net
- Binaries available on Hobbes & Netlabs