Release notes - filePro Plus 5.8 - 01/30/2018
      fP 5.8.XX.12

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are protected under United States Copyright Laws and is provided
subject to the terms and conditions of the filePro License Agreement.

PLEASE NOTE the support and fax phone numbers listed in this
readme file. Open new support incidents on our website.

****

WWW   http://www.fptech.com
Support   support@fptech.com
Sales   sales@fptech.com
Management filepro@fptech.com

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To submit bug reports
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1. EMail them to support@fptech.com including the text
   "Bug Report" with the version # and your filePro
   License # in the subject line
2. FAX them to (877) 606-6853 clearly marking them as bug reports
   and be sure to reference your filPro License #
3. Call the customer support number (800) 847-4740

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We wish to thank Jim Asman for sending us an entire set of HP
printer tables for inclusion in this release. You might wish to
send him a note of appreciation to root@spctra.wimsey.com Please
view Jim's readme file which has been placed in your fp\lib
directory for any special notes about these printer tables.

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It's important that you clearly describe a suspected bug and
include the filePro version number. If the programmer has trouble
figuring out what you meant, you might as well not have reported
the bug. Be very specific. For example, if you are reporting a

bug concerning a Browse, identify if it is a lookup browse or browse created by using the [F6] key. A screen shot is very helpful and sometimes better than more than 1000 words.

Describe exactly how to duplicate the bug. Although it's sometimes difficult to create a working sample to demonstrate the problem, make every effort to trim down your code and provide a working sample application with test data. You may even discover that what you thought to be a bug is due to a coding error or the bug may only occur with lots of data or large processing tables.

Take good notes as to any error messages and under what circumstances the error message is presented. It never hurts to provide more information rather than not enough. This is particularly true when the programmer asks for additional information. Rather than responding with a single sentence, be verbose since this may shed some light on the bug or what you may be doing wrong in your code.

Read what you wrote. Closely read your bug report before submitting to make sure it's clear and complete. If you have listed steps for duplicating the bug in a sample, exercise the sample with the listed steps to make sure you haven't missed a step.

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New in 5.8.03.XX Update Subscription Program only
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Two new commands in *cabe processing, mode(path) and group(path).
      Mode() will return the octal permission mask on a file.
      Group() returns a string containing "owner:group" on the file

debug now will accept long variables as break points.

New interface that now allows managing up to 99 printers.

New for Define processing:
      Search and Replace
      Show all @labels
      Go to @labels

ddefine will now use the version 4.5+ dxmaint interface when making indexes for new files

Password protection of .sel and .brw formats

C - Change cusor path you can now press F5 to view the screen in define screens

Line & Box drawing in PDF

replace() command will return a search and replace string of data from either a
      field or variable

Browsing printers in Options for output formats, filePro now shows only valid
      printers

New Env Setting PFNEWEXACT=ON will make a lookup fail on getnext and getprev
      if the index is no longer an exact match. default=OFF

New Env Setting PFSEMTIMEOUT. Watchdog code added to the session
     count code in filePro to prevent semaphore lockups. The value defaults to 3
     seconds before it will unlock a broken semaphore. A value of 0 disables the
     new timeout.

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New in 5.8.02.XX Update Subscription Program only
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New SELECTBOX() function.

New Form Filtering for IUA(clerk) Form command.

Ability to define screens for *clerk with "truncated/scrolling" fields.

Added timeout option to user, and related TIMEOUT() test.

PDF Enhancement to <PAGE> for MARGINT|MARGINB|MARGINL|MARGINR="margin"

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New in 5.8.01.XX Update Subscription Program only
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New #1312

    Automatic indexes can now be built using a selection set. As
    records are created or modified, they will be placed in the
    index only if they pass the selection criteria.

New

    Dual Write or Mirroring. Extended options in define files (ddefine)
    now has an option to mirror a file. Use of PFDIR2 and PFDATA2 settings
    determine the path of the mirror directory.

New #1324

    PFPQ=ON   Acts as if the "-PQ" flag was passed to *clerk/*report.

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5.8.XX.12
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Task #82 (All)

     rcabe now properly locks a prc when in edit mode

Task #1477 (All)

     A dubious printer name in processing would cause a segV

Task #1476 (All)

     dcabe was failing on a CLOSE or WRITE command in processing

Task #1478 (All)

     dreport could result in a zero length PDF file

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Task #1358 (All)

     Run-time programs should now give a message when the limits
     of 205 combined EDITS is reached instead of aborting

Task #1427 (All)

     dscreen and ddefine should now format properly when the default
     printer is PDF

Task #1482 (NIX)

     Minor display modifications to dscreen for when used on old Wyse 60
     terminals

Task #1485 (All)

     BLOB/MEMO fields were crashing when used with tok processing that
     had not    been recompiled.  NOTE -
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5.8.XX.11
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Task #1472 (All)

     Define Output - F6 for Printers was offset one line.

Task #1473 (NIX)

     pmaint screen did not work properly with wy60 emulation

Task #1474 (All)

     pmaint F9 (go to line #) only had 2 characters


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5.8.XX.10
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Task #1469 (All)

     CREATE / WRITELINE was failing or throwing garbage to the screen

Tasl #1470 (All)

     SHOW POPUP not working

Task #1471 (All)

     Encryption Error (Encrypted file / Grace Period Mismatch) when trying to
     access an encrypted file.


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5.8.XX.09
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Task #1308 (All)
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Some Development programs were responding to PFMBTO

Task #1334 (All)

Invalid lookups to a mirrored file would give an
incorrect 'not licensed' error

Task #1363 (NIX)

The new fpconfig utility program was not included in
the NIX compiles

Task #1431 (Windows)

dclerk debug F9 Search for \{ displays graphics
instead or previous search criteria

Task #1439 (All)

Development programs were not working properly when
PDF was the default printer

Task #1442 (Windows 64 bit)

USER command was not executing correctly on 64 WIN

Task #1449 (All)

ddefine - when changing 16,memo to 100,allup in map of
mirrored file filePro would crash

Task #1450 (All)

cabe - was missing the O - Options to the F8 options

Task #1451 (Windows 64 bit)

fpdaemon_win.exe on 64 bit never displayed a fileProGI
menu

Task #1454 (All)

clerk - FORM in 5.8.02.08K3 crashed in clerk on
repeated executions

Task #1461 (All)

clerk/report - PDF with overlay was not working
properly

Task #1460 (All)

clerk - Selectbox was not respecting width and height
parameters

Task #1464 (All)

clerk/report - EXPORT WORD -A was not appending to an
existing file

Task #1043 (All)

    When a BLOB field was removed in ddefine, the blob
    file was not properly removed.

Task #1356 (All)

    debug now will accept long variables as break points.
    The scope of a longvar is different from a normal
    dummy field. Technically, longvar is not at a true
    global scope, and isn't available in the automatic
    processing table. Declaring it 'g' only will work
    across records, but not tables, declaring it GLOBAL
    will fix that, but it has to be matched with an EXTERN
    in the other prc table.

Task #1409 (All)

    The index license ownership display has been
    reformatted so it does run into the version display.

Task #1423 (All)

    popup("7","-1") was not centering properly

Task #1425 (All)

    In certain case, there was a stray character at the
    end of @ID when running under fileProGI

Task #1441 (All)

    The ability to cancel when adding a new screen did not
    work.

Task #1444 (All)

    The check free diskspace routine was updated to handle
    hard drives over the old 32 bit limits.

Task #1118 (All)

    Page Up and Page Down was not working in memo edit windows.

Task #1468 (All)

    xfer was causing errors in restoring key files.

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5.8.XX.08
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(All) #1269

    fPCopy was not properly handling encrypted files.

(All) #1308

F8 - Options in dmodef and dscreen were honoring PFMBTO
    and now ignore it

(All) #1331

    ddefine could crash on save of missing a blob file when
    turning on mirroring.

(NIX) #1363

    utility fpconfig was not compiled in some previous
    releases for NIX platforms.

(All) #1370

    Added the prc table name to error messages in most places
    to help with filepro error indentification

(All) #1403 & 1418

    F9 was not allowing a search of a prc table in *rcabe and
    configuration editor

(All) #1411

    cosmetic adjustments to the F8 Options screens and popups
    in dmoedef

(All) #1412

    Under certain circumstances the cursor would move outside
    of the memo edit area

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5.8.XX.07
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(All) #1174

    After saving a screen in Define Screens, it was possible for a
    session to update the same screen at the same time.

(All) #1377

    If you execute a lookup-dash to an existing record in automatic
    processing while in add records mode, and then cancel out of
    update, the record would be deleted.

(All) #1384

    INPUTPW did not respect the edit type of the input field, and
    treated everything as "*".

(All) #1385

    If you have an automatic index with a selection set, and
    update the record such that the true/false value of that
    selection set changes, but none of the key fields for that
    index change, the index was not updated.

(All) #1388

    Pressing F5 (create script file) in Define Menus when there was
    no menu item keystroke defined yet would create a script named
    "menuname-.X". Now, you cannot create a script until the
    keystroke is defined.

(5.8.02 and later) #1392

    If the "filecount" value in a file's "outfiles.xml" file was
    higher than the actual number of files listed, Define Output
    would crash upon selecting that file name.

(5.8.02 and later) #1393

    fpcopy did not copy the "outputfiles.xml" file if it exists.

(Windows only) #1394

    If an error occurred in xfer while receiving a file, the error
    display might show a black area of text, rather than the file
    name.

(All) #1395

    When transferring a filePro file with a "map.new" file that does
    not match the "map", it was possible for xfer to not properly
    receive the filePro file.

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5.8.XX.06
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(All) #1061

    If you have two lookups to a file with different aliases, with
    the second lookup being a browse lookup, if that browse lookup
    has processing, and within that processing you refer to a field
    in the first lookup alias, non-",g" dummy fields are cleared.

(All) #1262

    If you have a protected lookup to the main file in a CALLed
    procesing table, and CLOSE that lookup, without having ever
    modified the record, or using WRITE, the looked-up record will
    remain locked. (If you use GETNEXT/GETPREV on that lookup, then
    it would be the last record read by the lookup which remains
    locked.)

(All) #1319

    If you are running filePro with standard input either redirected
    (such as from a file, or via a pipe), or with no standard input
    at all (such as from cron), and filePro needs input from the user
    (such as asking for a filename, due to a typo on the command
    line), filePro would wait in an infinite loop, using 100% of
    available CPU. filePro will now give a fatal error, and exit.

(All) #1355

    If you have an IMPORT/EXPORT statement with the alias "alias",
and somewhere in processing you had a reference to "alias()" in a
comment, you could get a syntax error on that comment.

(All) #1377

    If you execute a lookup-dash to an existing record in automatic
processing while in add records mode, and then cancel out of
update mode, the record would be deleted.

(5.8.01 &.02) #1385

    If you have an automatic index with a selection set, and update
the record such that the true/false value of that selection set
changes, but none of the key fields for that index change, the
index was not updated.

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5.8.XX.05
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(5.8.XX.04) #1374

    Non-Lite versions of filePro failed to allow qualifiers in ddefine

(All) #1373

    Non-Lite versions of filePro failed with "syntax error" on
ENCRYPT() and DECRYPT().

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5.8.XX.04
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(All) #1054

    Erroneous "feature not licensed" errors correct.

(All) #1313

    filePro user menus can now use a pseudo-environment variable
"@VR" to place the filePro version on the screen. You can use
either Windows ("%@VR%") or Unix/Linux ("$@VR") syntax.

(fileProGI) #1317

    filePro GI client displayed "garbage" for the "Enter" prompt.

(All) #1344

    A spurious "requested feature not licensed" message would
sometimes be included in filePro error messages.

(Quikstart) #1345

    If you have a "locked(-)" test without a lookup-dash, rcabe

did not give a syntax error.

(Windows 64-bit) #1347

    Pressing F8/Options in printer maintenance would cash the
    64-bit Windows version of filePro.

(All) #1350

    dxmaint -m "" would not override a PFQUAL setting.

(Linux) #1352

    filePro now turs off stty "iexten" mode on systems which
    support it.

(All) #1353

    FPML now supports user-defined margins to the <PAGE> tag.

(All) #1357

    New PFPDFCOMPRESSMODE config variable to control PDF compression.

(Windows) #1360

    The Windows version of dexpand didn't properly handle key files
    larger than 4G in size.

(Windows 64-bit) #1361

    When concatenating a string with a memo field from a lookup
    file, 64-bit Windows filePro could crash.

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5.8.XX.03
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(All) #402

    If you select a record via *clerk's "6 - fuzzy search" menu
    choice, and then press Break/Del/Ctrl-C, *clerk exits, rather
    than returning to the menu.

(fPSQL) #1053

    fPSQL did not properly display user edits in the F5 field list.

(fileProGI) #1336

    When running filePro on a Windows server, the "Enter" prompt
    displayed "garbage" characters.

(5.8.01.01 only) #1337

    It was possible that the first lookup to a file would corrupt
    indexes built on field you modified.

(All) #1338

The CREATE() function did not respect the umask, always using a
umask of 0177 instead. Now it will respect PFUMASK if set.

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5.8.XX.02
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(All) #402

    If you select a record via *clerk's "6 - fuzzy search" menu
    choice, an then press Break/Del/Ctrl-C, *clerk exits, rather
    than returning to the *clerk menu.

(64-bit only) #1332

    Spellcheck didn't work properly on 64-bit implementations.

(GIclient only) #1336

    When running fileProGI against a Windows version of filePro,
    then "Enter" prompt displayed as garbage.

(5.8.01.01 only) #1337

    It was possible that the first lookup to a file could
    corrupt indexes built on field you modified.

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(All) # 1332

    Aspell ws replaced with hunspell for the 64 bit version of
    filePro

(Linux) #1330

    The 64-bit Linux version of xfer didn't copy screens correctly.

(Linux) #1327

    On 64-bit Linux. closing a lookup file could crash with a corrupt heap.
    ("*** glibc detected ***" error message.)

(Linux) #1316

    Fuzzy browse lookups could crash on 64 bit Linux

(All) #1286

    Setting PFIDLEN=32 will cause @ID, @CB, and @UB to have a length of
    32 rather than 8. (The only legal values are currently "8" and "32".
    Any other value is undefined.)

(All) #1295

    Alien and ODBC files can't be encrypted by filePro. ddefine will

now prevent you from marking such files as encrypted.

(All) #1302

    filePro now defaults to PFMAXALLOC=128 and PFMAXASIZE=128000, for
    up to 16MB of RAM for sorting.

(All) #1304

    If you have a fatal error (such as "file not found" on import) in
    a CALLed table, filePro might crash upon exit.

(All) #1305

    If you print a form from *clerk via "F"orn (not from FORM within
    processing), and that form's output processing does a lookup to
    the same file as an open lookup in input/auto processing, and
    then CLOSEs that lookup, filePro can crash if the input/auto
    processing re-executes that lookup.

(All) #1314

    The FPML documentation was incorrect. The "<PAGE>" tag is
    documented as taking an "ORIENTATION" attribute, but it should
    have said "ORIENT". filePro will now allow either spelling.

(Windows 10) #1318

    On Windows 10, if you set filePro's TextNormal attribute to a
    value from 0x80-0xff, there could be "ghost" characters left
    on the screen.

(Windows, 64-bit) #1321

    The 64-bit Windows version of rclerk/rreport could crash when
    using OPENDIR().

(All) #1322

    If you have a very long filename that "looks like" a qualified
    filename (such as "key [conflict at 2014-12-09_23-28-27]"),
    filePro could crash.

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(Linux) #1292

        On some Linux systems, filePro would see a different MAC
        address than reported by "ifconfig" or "ip addr".

(All) #1294

        If you edit a prc file outside of filePro, and there is
        no newline character at the end of the last line, filePro
        may crash on exit or "switch files" in *clerk.

(All) #1295

Alien files can't be encrypted. Ddefine now prevents you
from marking such files as encrypted.

(OSR5) #1297

On SCO OSR5, if you have a fuzzy browse lookup, and pass
it a zero-length key, filePro can crash.

(OSR5) #1299

Fuzzy search on SCO OSR5 returned incorrect results.

(Windows) #1301

When using PFIXS=ON or the "-jy" flag, it was possible
for Windows to throw an "uninitialized variable" error
when scanning for records using an indexed field.

(All) #1304

If you have a fatal error (such as "file not found" on
import) in a CALLed table, filePro might crash upon exit.

(All) #1305

If you print a form from *clerk via "F"orm (not from FORM
within processing), and that form's output processing does
a lookup to the same file as an open lookup in input/auto
processing, and CLOSEs that lookup, filePro can crash if
the input/auto processing re-executes that lookup.

(All) Version 5.8

New function to get error code for ENCRYPT()/DECRYPT()
failure.

        status = CRYPTERROR([format])

If "format" is omitted, or zero, then the value is
returned as a numeric error number, or zero for "no
error". If "format" is "1", then the value is returned
as a string. Other values for "format" are undefined.

(If ENCRYPT/DEcrypt fails, a null string -- "" -- is
returned.)

(All) Version 5.8

New function to set the ODBC query timeout:

   old = @ODBC.handle.TIMEOUT(timeout)

where "timeout" is the desired timeout in seconds. The
function returns the old timeout value, if available, or ""
if not.

The default timeout is 15 seconds. Not all ODBC sources
allow the timeout to be set. Setting the timeout to zero

disables any timeout fuctionality, and can cause filePro to
simply wait forever.

This only affects future queries. Also, some ODBC sources
share the timeout between all handles attached to the same
ODBC_CONNECTION handle.

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