Release notes - filePro Plus 6.0 - 04/27/2022
      fP 6.0.XX.15

The filePro Plus software and the documentation provided with it
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

****

To submit bug reports
----
1. Login to your account portal on our website
   http://www.fptech.com/fptech/login.php and then
   go to the Support Incident Menu and submit an
   incident request.
2. EMail them to support@fptech.com including the text
   "Bug Report" with the version # and your filePro
   License # in the subject line
3. FAX them to (813) 354-2722 clearly marking them as bug reports
   and be sure to reference your filPro License #
4. Call the customer support number (800) 847-4740

****

A special thank you to Jim Asman for his contribution
to the functionality of our printer tables.   Jim was
a good friend to filePro and is dearly missed.

****

Contact Information

Surface Mail
    fP Technologies, Inc.
    432 W. Gypsy Lane Road
    Bowling Green, OH 43402

Phones
    Support   (800) 847-4740
    Sales   (800) 847-4740
    Fax   (813) 354-2722

Email
    Support   support@fptech.com
    Sales   sales@fptech.com
    Management filepro@fptech.com

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.

****
filePro and filePro Plus are registered
  trademarks of fP Technologies, Inc.
****
===================================
Version 6.0.XX.15 bug fixes
===================================
Task #1918 PDF print MAP not working

Task #1916 SCO cabe not loading file List properly

Task #1917 Font Size issue with Windows 11 terminal.

Task #1914 Spellcheck crash when using personal list.

Task #1913 Corrected an issue where merge labels (IMPORT/EXPORT)
       were not correctly indicating that the merge was closed.

Task #1891 Enhanced [dr]clerk to honor a passed index flag for browse
       when @ONCE or @MENU is used in processing.
            PFNEWIXS=on (default off)

Task #1871 Updated dxmaint to keep the user in the index list when
       working on automatic indexes, saving the position in the list
       between operations.

Task #1844 Corrected an issue where non-text data could show up
       as NULL in an ODBC mirror. Requires mirror to be resynchronized
       to update missing field information.

Task #1845 Corrected an issue in an ODBC mirror where non-concise
       data types were being used for synchronizing data. This fix
       prevents TIME and DATE fields from resolving to the non-concise

data type of DATETIME.

Task #1849 Checksum error not being reported in outputs

Task #1857 dprodir crashed on non-filePro file when deleting key/data

Task #1865 (rcabe) Corrected an issue where processing tables
        containing user defined functions would fail to tokenize properly.

Task #1866 Limit outfiles.xml to only hidden outputs

Task #1870 Fixed a potential crash when providing an invalid field
        number to a lookup expression in the debugger.

Task #1873 SPLIT function not working with leading spaces

Task #1892 Corrected -D flag handling in [dr]clerk to suppress the
        correct bottom of screen messages.

Task #1901 dmoedef @b4, @c4, @t4, @u4 are now allowed in sort
        selection.

Task #1864 Corrected an issue on Windows where an alternate auto
        table set in cabe could not start with the word "auto"

Task #1869 Moved the auto cursor path options in dscreen to the
        normal cursor path screen under a new F8 option.

Task #1893 Corrected an issue with user defined function argument
        name parsing. Names that begin with the same sequence of
        characters will now correctly be allowed, i.e. "col" and "color".

Task #1908 Corrected an issue where the field position wasn't being
        kept between the header and data sections when editing browse
        formats.

Task #1911 Corrected a missing initializer value related to index
        searching that prevented the index search from being performed.
==================================
Version 6.0.XX.14 bug fixes
==================================
Task #1839 Was not previously documented for 6.0.XX.13

        Corrected an issue from a previous bugfix to prevent oversized
        scrollable fields from being dropped from the end of the screen
        if the field definition was too long to fit on the screen.

Task #1841

        Fixed a crash in dmakemenu when a menu option name started with
        "BLOB" or "MEMO".

Task #1842

        Corrected a bug due to task #1579. Reverted the task to allow
        correct expression parsing in the processing engine. Restores the
        use of cm, cw, cx, cy, and cz in expressions.

==================================

```
Version 6.0.XX.13 bug fixes
==================================
Task #1763

      Fixed an issue where switching between menus in dmakemenu on a bad password
      could cause a crash.

Task #1764

      Fixed an issue where switching between menus in dmakemenu on a bad password
      could cause a crash.

Task #1765

      Changed [dr]cabe to not exit if an edit used in automatic processing and used
in
      input processing was not found.

Task #1768

          Corrected an issue with the lookup wizard in [dr]cabe when defining a
fuzzy lookup.
          The browse line would not be generated correctly when leaving the
wizard.

Task #1769

          Fixed an issue where using '[' instead of '(' in parameter lists could
cause an
          invalid syntax error.
              e.g. x=listbox[array] vs x=listbox(array)

Task #1785

          Increased ACTION length in debugger from 60 characters to full 128.
Should now be
          the same as *cabe.

Task #1786

       Changes caused by a duplicate task #1691 broke the pathed version
       of the FORM command added by #1722. Reverted changes.

Task #1779

       CLEARB now correctly ignored in drop processing

Task #1781

       Fixed an issue with SIGPIPE and user commands. SIGPIPE is now
       handled like in 5.8 unless PFCATCHSIGPIPE is set to ON in the
       environment.

Task #1784

       Increased ACTION length in debugger from 60 characters to full 128. Should
now be the
       same as *cabe.
```

Task #1790

     Corrected an issue where 'killing' a file using dprodir wouldn't remove the
diretory
     and its children on Windows.

Task #1791

     Corrected an issue with fpcopy that would prevent the prc_backups folder from
     being properly handled.

Task #1793

     fpcopy will now correctly handle all extents on a file and will now mirror
     them correctly.

Task #1794

     Fixed an issue where @GUI.xxx commands could run multiple times (once per
break level)
     in reports.

Task #1795

     Updated mirroring to correctly handle multiple extents on a file.

Task #1796

     Corrected an issue where upon turning on mirroring for a file and re-
executing the
     dialog option could cause ddefine to crash.

Task #1797

     Fixed an issue in GIserver where connecting with an unsupported client
(version
     7.12.1.6 or earlier) could cause the server to deadlock and stop accepting
     connections (SCO).

Task #1798

     Corrected an issue where all files, when first mirrored, would be created as
empty
     blob files (blob binary data and structures in the file). All files are now
correctly
     created of the right type.

Task #1799

     Corrected and issue in ddefine where a broken mirror would not be displayed
as such
     (missing splash screen and 'B' flag in options).

Task #1800

     Fixed an issue where when switching a mirror from a broken state 'B' flag in
options
     in ddefine to a 'Y' would not re-create and update missing files.

Task #1801

        Corrected an issue in ddefine when trying to create qualifiers. The list
would not
        display unless also creating an index, it now correctly displays without
having
        other options flagged.

Task #1802

        Fixed a file handle leak in GIserver that could result in a Too Many Open
files
        error, hanging or crashing the server.

Task #1803

        Mirroring disabled warning will now correctly keep its own state between
files.
        Previously, switching between two "broken" mirrors would cause the splash
screen
        to show again.

Task #1804

        Corrected an issue in dprodir where filePro could crash if there were a large
number
        of files in the directory to be deleted.

Task #1805

        Corrected index scanning in *clerk when both a selection set and index are
specified
        on the command line. The scan will now also accept system variables in the
selection
        set, such as @PM, to be used in conjuntion with the index from the command
line.

        Note: Using both flags implies PFIXS.

Task #1806

        Fixed an issue in cabe when the screen was redrawn by scrolling the page. If
the
        previoius field allowed for a lookup to be created and the destination field
did
        not, the prompt would still be displayed.

Task #1807

        Corrected the "Remove Script" feature when redefining a menu. Previously, if
the
        option had a flag such as '@', it would be included in the path of the file
to be
        removed.
        Note: Raw output is still not displayed.

Task #1808 (Web only)

        Corrected the wait flag on a menu option in web to display a message rather

than
      a blank screen.

Task #1809

      fpcopy will now copy all files under a filePro file's directory structure.

Task #1816

      Corrected and added a syntax error to commands that parse screen names as
literals,
      i.e. SCREEN, SWITCHTO, etc. The command would not throw an error on screen
names
      over 1 character if it was not quoted and would parse them incorrectly.

Task #1817

            Corrected an issue with field switching in GUI under report. Fields
will now
            correctly switch when clicked on.

Task #1818

      Corrected an issue where a duplicate field warning could display while
defining a
      lookup. Warning is now suppressed until saving the processing table.

Task #1820

            Corrected an issue with ddefine where having PFQUAL set could cause
issues if
            the qualifer does not yet exist in the file while defining indexes.

Task #1824

            Corrected a crash in rclerk when using a POPUP due to a stack
underflow. Issue
            introduced in 6.0.01.06.

Task #1828

      Corrected an issue where screens created with ddefine sometimes would have
incorrect
      colors added to the bottom of the screen.

      Also updated the screens generated by ddefine from 3.0 to 4.0+.

      Added environmental variable:
            PFDDEFCOLOR=ON|OFF (default ON)

      When on, ddefine will create color screens, when off, monochrome.

Task #1830

      Corrected the free space checks on all operating systems for ddefine and
dexpand.
      Drive free space is now correctly accounted for. Some space is still reserved
in
      the check for the operating system.

Task #1831

      Corrected an issue where drives set in PFDSK in the format of PFDSK=C;D;E;F
on
      Windows would not correctly be parsed, leading to some programs failing to
find
      other drives.

Task #1835 Added flag -RH to report to disable the automatic record number
      reporting in the middle of the screen. This enables placing text on the
      center of the screen without it being overwritten when the display updates.

Task #1836
      x=@GUI.PAUSE()
   Pauses automatic screen updating while in GI/Web.

      x=@GUI.RESUME()
   Resumes automatic screen updating while in GI/Web.

Task #1838

      Corrected an issue when entering an invalid printer type in pmaint. Break key
      will now correctly be honored when answering 'N' or breaking out of the
question
      asking if you want to pick a valid print code table from a list.

Task #1838

      Corrected an issue when entering an invalid printer type in pmaint. Break key
      will now correctly be honored when answering 'N' or breaking out of the
question
      asking if you want to pick a valid print code table from a list.

Task #1840

      Corrected an issue where reports and forms generated in [dr]report were
      initialized twice, causing two init print codes to be inserted into the
output.

===================================
Version 6.0.XX.12 bug fixes
===================================

Task #1008 (All) **NEW**

      New xcabe program to allow Run-time quick start compiles. There is
      no user interface except to press ENTER if an error is encountered.

Task # 1699 (All)

      Fixed MEMO text to ignore spaces after an ENTER

Task #1712 (Nix)

      Updated "finish" script to honor PFLICFILE.

Task #1723 (All)

Added an alias to PDFPOSTPRINT (PFNEWPOSTPRINT), default OFF. Added
PFPPFULLPATH to augment the filename passed to the post print handler,
default ON, this causes the filename passed to the postprint script to
contain the full path to the file, not just the file name. Set to OFF
to revert to old behaviour. PFPOSTPRINTnnn will now work with normal
file destinations. Same rules as the old global PFPOSTPRINT but also
supports PDF files.

Task #1728 (GI)

Reworded "Server Serial Number" prompt when adding a new server entry
to GIadmin to "filePro Serial Number" to avoid confusion.

Task #1750 (All)

XFER was not properly copying 'backup' prc files.

Task #1758 (All)

NEW command OPENDIR2 to handle long-named files and paths.
e.x.
      N = OPENDIR2(mask, path, fmt_sz, ext_sz, nam_sz)
All arguments are optional.

Task #1776 (All)

If you had an environment or config variable named XXSOMEVAR
it would still qualify as PFSOMEVAR.

Task #1764

Fixed an issue where CO in a selection set would not properly check if the
value
was contained in a field.
===================================
Version 6.0.XX.11 bug fixes
===================================

Task #1738 (All)

Reversed task 1737 and added new @DV for the distribution release
number.

Task #1740 (All)

PFCHECKLOCK was causing an improper error on read-only MEMO Show

Task #1741 (All)

MEMO CLEAR was not working with a lookup memo when reference by the
lookup handle

Task #1742 (All)

MEMO functions were causing sporadic memory leaks.

Task #1743 (All)

Modifying a lookup that has an Auto-Index selection set would cause

a DKNF error in certain cases.

Task #1748 (Windows)

        Uppercase FP in menu command causes comspec error

Task #1611 (All)
        Change in behavior for COntains in Long and Short Selection.
        Any COntains no longer worries about length or edit in its search.
        IMPORTANT: Any indexes previous built with selection criteria in
        prior version MUST BE REBUILT!!!

Task #1647 (All)
        *clerk index selection was missing the correct record in some
        cases when the index had a selection set.

Task #1739 (Windows)

        GIadmin shortcut was not always created during install.

Task #1752 (All)

        Fixed a bug in ODBC Mirroring.

Task #1753 (All)

        Added PFCALLDBG, default ON, that can be used to have the debugger
        ignore calls when turned OFF.
        Note: DEBUG ON will still enable the debugger in a call.

==================================
Version 6.0.XX.10 bug fixes
==================================

Task #1721 (All)

        Improved Spooler timiout handling in order to avoid
        spooler shutdown during large printing operations.

Task #1722 (All)

        Fixed the ability to use path and filename on FORM

Task #1729 (Web)

        Fixed the sequence in which @VR was being cleared.

Task #1730 (All)

        Fixed a bug in pkeep by reverting Task #888 which will
        be readdressed in a future update

Task #1731 (All)

        Enhanced transfer speed of fPTransfer

Task #1734 (All)

        Fixed a bug where assigning to a real field from a mid statement

could blank the field if the field passed to mid was the same.

Task #1735 (All)

A truncated field on a screen was not allowed in cursor pathing
in some situations.

Task #1736 (All)

Fixed and enhanced the @VR system variable

Task #1737 (All)

Added PFZEROLENWARN=OFF (default ON) to disable cannot assign to
zero length field message when saving a processing table.

Task #1778 (All)

ddefine was not creating qualified indexes

```
==================================
Version 6.0.XX.09 bug fixes
==================================
```

Task #1706 (All)

Setting PFQUAL in *cabe broke the lookup wizard

Task #1710 (All)

drumenu could crash loading some older menus

Task #1711 (NIX)

Some OS errors were bypassing the signal hander

Task #1713 (All)

*cabe was ignoring the new -Cxx flags

Task #1715 (SCO)

'BREAK' in dscreen was crashing

Task #1718 (All)

POPUP was not display the full screen

Task #1719 (All)

POPUP UPDATE was crashing when r,c was used

Task #1720 (All)

Added Error Message if browse lookup closed in
DROP processing

Task #1726 (All)

Some commands were seGving on long or invalid
        filenames

Task #1727 (NIX)

        Removed the need for libfpodbc.so by statically
        linking it the executables.

==================================
Version 6.0.XX.08 bug fixes
==================================

Task #908 (All)

        A repeat fix of a previous bug in prc=
        checking of a browse lookup

Task #1058 (Nix)

        Adjusted finish script for a bug in handling
        PFLICFILE value

Task #1693 (All)

        String parsing on chmod, mkdir, etc. caused syntax
        errors/warnings. This was caused do a preprocessor running the
        same syntax routines as the actual syntax checker/tokenizer.

Task #1694 (All)

        Corrected a case where some bitwise operators (~^ ~| ~& ~> ~<)
        would cause a buffer overrun or return a signed value incorrectly.

Task #1695 (All)

        PUSHKEY is now correctly ignored when running processing in
        debugging mode.

Task #1696 (All)

        FLUSHKEY does not clear keystrokes added by PUSHKEY.

Task #1375 (All)

        Updated errmsg file with latest error codes

Task #1675 (All)

        F5 would not properly fill a truncated field

Task #1705 (All)

        WORDWRAP broke when correcting another MEMO issue. It
        now properly breaks.

Task #1704 (All)

        Cursor path editing would not properly ignore protected fields.

```
==================================
Version 6.0.XX.06 bug fixes
==================================


Task #1673 (OpenSuSE)

       GIserver install was failing to create service

Task #1674 (All)

       Added AUTO to clarify description in dmoedef

Task #1681 (All)

       Syntax check pointed to wrong line on a
       duplicate long variable declarartion

Task #1682 (All)

       ftp message show/hide flags were reversed

Task #1667 (All)

       Modified Extended Selection so that edit does not allows
       apply.  i.e.   Using COtains for a part of a phone number.

Task #1679 (All)

       Modified record selection to accept only numbers.
       Allowing other input selected incorrect records.

Task #1672 (All)

       The changes were to IXSEL (new optional 3rd parameter)
       and IXSORT (new optional 4th parameter). The parameter must be
       a path representing an alternate PFDIR to use temporarily for
       the function.
       IXSORT and IXSEL were failing on qualified indexes

Task #1117 (All)

       Improved license related shared memory error reporting.

Task #1687 (All)

       Fixed a bug where having a field defined at the end of a row
       would not resolve properly if the following line started with
       text instead of a space.

Task #1631 (All)

       Memo text edit window was not scrolling in certain circumstances

==================================
Version 6.0.00.05 bug fixes
==================================


Task #1624 (Windows)
```

Added Desktop Shortcut for GIadmin 6.0

Task #1656 (All)

        Archive did not handle lookup to lookup

Task #1657 (All)

        Creating a new scree required two Saves to
        save and exit

Task #1658 (All)

        Cursor positionin was wrong after using
        search in the config editor

Task #1659 (All)

        Search & Replace in cabe caused a line
        truncation when answering NOT

Task #1661 (All)

        Index in *clerk is going to the incorrect record
        when built off of multiple fields. Related to a
        bad fix from #1503

Task #1663 (All)

        Improper key buffer management when using
        certain combinations of PUSHKY

Task #1664 (All)

        Memo memory fault when using certain sequences
        of Page Up and Page Down in memo editor

==================================
Version 6.0.00.04 bug fixes
==================================

Task #1652 (All)
        When editing a defined lookup in processing, the highlight
        was on the wrong index.

Task #1653 (All)
        Define processing was not reporting a correct line number
        on a syntax error.

Task #1654 (All)
        Define processing was crashing on Search & Replace on a new
        table that had not yet been saved.

Task #1655 (All)
        JSFILE was passing syntax when a function had not been
        sepcified

Task #1656 (All)
        Enhanced ARCHIVE command to work with 2 lookups

ARCHIVE lu1 TO lu2

==================================
Version 6.0.00.03 bug fixes
==================================

Task #1651 (All)
      Corrected a change introduced into ddefine that caused the map
      file to be truncated on the last section of the header. This
      caused ddefine and other developer programs to treat the file as
      if it had a creation password.

==================================
Version 6.0.00.02 bug fixes
==================================

Task #1626 (All)
      Using a merge field from import fails on condition line would fail.

Task #1628 (All)
      Bug occurred in an index when a record was added or deleted from an
      automatic index using a selection set through a lookup.

Task #1629 (All)
      In certain situations the screen text would scroll a screens
      content and message to wrap in F6 Browse function.

Task #1633 (All)
      Added an error message to cabe if code assigns a value to an invalid field.

Task #1636 (GI)
      A previous fix for CRON functions broke MSGBOX in GI.

Task #1625 (All)
      SORTARRAY now puts any blank fields at the end of the sort.

Task #1634 (All)
      Corrected text on setting selection set passwords

Task #1635 (SCO)
      Help display was improperly wrapping.

Task #1638 (All)
      Field length for description was extended from 80 to 255

Task #1640 (All)
      Under certain conditions clearing the BUSYBOX display
      would not properly redisplay the screen contents.

Task #1641 (All)
      Enhanced fPTransfer to properly xfer the auto index
      selection criteria

Task #1642 (All)
      ddefine create screen 0 caused a *clerk invalid screen
      error

Task #1643 (All)
      Removed debug display of field numbers from IUA index

selection

Task #1644 (All)
        dmoedef was not displaying all print codes

Task #1632 (All)
        32bit Installs had the wrong 'rename' program.

Task #1645 (All)
        fPCopy was not properly copying the Auto Index Selection Sets

Task #1646 (Linux)
        Certain colors and highlights were not being shown properly.

Task #1648 (Linux)
        Under some situations a *clerk screen would shift improperly

Task #1649 (All)
        ddefine did not properly make an index with a selecton set

Task #1650 (All)
        fPCopy would crash or give an error message when copying a
        mirrored file.

=================================
Version 6.0.00.01 bug fixes
=================================

Task #1607 (All)
        Removed double F7 label

Task #1608 (All)
        dosetforms - replace toggle with select all / select none

Task #1386 (All)
        Display when index is built on selection set.

Task #1619 (All)
        Fixed changing Broken mirror status to Yes mirrored status
        in define files.

Task #1620 (NIX)
        Correct error to redirected stdin

=================================
Version 6.0.00.00 bug fixes
=================================

Task #1128 (GI)
        F6 was not working from pmaint to select Windows printers.

Task #1165 (All)
        Better error handling when indexes are in a known need to
        rebuild state.

Task #1239 (All)
        MySQL/ODBC was returning a -1 error on longblobs. The problem was caused
        by the precision being reported as -1.

Task #1255 (GI)
      GI now traps no password in user.cfg file

Task #1310 (GI)
      GIserver now handles HD Serial Number with or without dashes

Task #1407 (All)
      xx = @odbcexception.clear crashes filePro

Task #1571 (GI)
      Occasional broken lines were drawn

Task #1569 (GI)
      GIserver was missing some shutdown messages

==================================
End End End End End End End End End
==================================