

Release notes - filePro Plus 5.7 - 01/20/2015

fp 5.7.00.08

fp 5.7.01.08

fp 5.7.02.08

fp 5.7.03.08

fp 5.7.04.08

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PLEASE NOTE : the support and fax phone numbers listed in this readme file are new. They have changed since the last release.

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

To submit bug reports

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

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@spetra.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.

Contact Information

Surface Mail

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Phones

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Bug Reports

Email - support@fpotech.com including the text
"Bug Report" and Version # in the subject line
FAX - (877) 606-6853 marked as Bug Report and Version #
Phone - (800) 847-4740

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.

=====
New Features in 5.7.01-.04
RELEASE NOTES BELOW THIS SECTION
=====

===== Features new to 5.7.01

Encrypted filePro files.

PFREADONLYWARNING=OFF

If: LOCKED(-) support has been added.

===== Features new to 5.7.02

New socket licensing.

Now releases license on SOCKET CLOSE

===== Features new to 5.7.03

xx = HASH(...)

New splash screen logic. Appears once per user per day and times out.

FPML/PDF output. PDF document creation from within filePro with new printer type fpml.prt

===== Features new to 5.7.04

(All) #1244

Browse lookups are now supported in dreport/rreport.

(All) #1245

New command line option to p.exe/runmenu:

p menuname -Xn -- Execute menu choice 'n' and exit.

(All) #1246

(PDF output only) You now have the option of placing the grand totals at the beginning of the PDF document.

(Windows) #1247

Printer destinations can now include "%ENVNAME%" to specify an environment variable.

(All) #1248

New flag to OPEN() -- "A" for append mode. Anything written to the file will be appended to the end of the file.

(Windows) #1249

USER is now supported on Windows.

(All) #1259

New parameter to CREATE() -

handle = CREATE(filename [,mode])

where "mode" represents the permissions give the file that gets created. For convenience, if the number starts with a zero, the rest of the number is treated as octal. The binary value corresponds to the 9 bits in the Linux directory listing "rwxrwxrwx". Note that Windows systems only use the top two bits of the value. The rest are ignored.

(All) #1270

New "hash-based message authentication code" (HMAC) hash function:

result = HMAC_HASH(method, data, key [,method2[,length]])

where "method", "data", "method2", and "length" correspond to the same parameters in HASH(), and "key" is the HMAC key.

NOTE: Remember that the new features listed after the initial 5.7.00

are only supplied to those who have annual update subscriptions or pay a premium above the published 5.7.00 prices.

5.7.XX.08

(All)

Error in the .bkg license handling would not allow it to run in grace mode on a different machine.

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

5.7.(00,01,02,03,04).07 Release Notes

(Windows) #1226

The Windows version of filepro didn't show the user limit on the Alt-F10 screen.

(Windows) #1271

If you have a large number of large arrays (ie: 96 arrays of 1000 elements each) in processing, filePro may be slow to exit.

(Windows) #1277

Setting PFEof changes the "Press <--> to continue" prompt.

(All) #1278

LOCKED(-) would always test "false".

(SCO OSR5 only) #1279

Running an FPSQL query with a WHERE clause containing a date literal could crash.

(All) #1280

Using the processing debugger, if you use "E" to enter an expression using an invalid field (such as "imp(10)" on a 9-field import), filePro can crash after giving the error message.

(All) #1288

If you have a lookup to the current record in the main file, and MEMO EXPORT a field via the lookup, filePro will complain that you are trying to modify the current record via a lookup.

(All) #1289

When hardcopying a file in ddefine, if the output was not to "PDF:", the heading wasn't printed on the first page.

(*nix) #1290

On some *nix systems, an idle runmenu can wake up every 3 minutes and cause a spike in CPU usage for 1 second. While not usually noticeable, this can be a problem on a system with many users.

(All) #1291

If you execute a DELETE (no lookup name), and then a CALL, the record was not deleted.

(Linux only) #1292

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

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5.7.(00,01,02,03,04).06 Release Notes
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(All) #1272

When printing to a PDF document, if you have an FPML tag with attribute="value" (using quotes around "value") and "value" is longer than 1024 characters, filePro could crash.

Note that this could also happen if you tried to embed a PCL

file which happened to include "just the right sequence" of characters.

(All) #1273

fPSQL would crash on files with MEMO/BLOB fields. Note that such fields are still not yet supported, but fPSQL will no longer crash on such files.

(SCO only) #1274

The HASH() and HMAC_HASH() functions would crash on SCO if passed an invalid hash name.

(SCO only) #1275

There appears to be a bug in the SCO C runtimes library, where the text-to-binary (strtod) function would return "not a number" for valid numbers, in some not-yet-determined scenario. This version of filePro works around it.

This would manifest itself within filePro in the power (^) operator sometimes returning "-NaN".

(*nix only) #1276

License check in 5.7.xx.05 versions of *nix filePro wouldn't work correctly for MAC-based licenses.

=====
5.7.(00,01,02,03,04).05 Release Notes
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(All) #1272

When printing to a PDF document, if you have an FPML tag with attribute="value" (using quotes around "value") and "value" is longer than 1042 characters, filePro could crash.

(Windows) #1250

If PFDSK wasn't set, dexpand could fail to check disk space.

(All) #1251

The "grace period" warning wasn't always shown properly when running in the grace period.

(Linux) #1254

Attempting to resolve fields in dscreen on a screen with @UB and/or @CB could crash on Linux.

(Linux) #1264

PFMONO=ON wasn't respected on Linux.

(*nix) #1265

Two new termcap entries -- PL and PM -- represent a second set of keys which can be used to DELC and INSC, respectively.

(Windows) #1267

When sending output to a PDF file, "H"ardcopy in *clerk might not open/print the PDF until you exited.

(All) #1268

If you execute PRINT @SBRK on the very first record of output, *report might crash.

5.7.(00,01,02,03).04 Release Notes

(All) #1230

Removed starting splash screen and added customer and version to the clerk Index Selection screen.

(All) #1223

DOKEY did not switch screens if passed a digit.

(Windows) #1228

The default location for the PFCHECKLOCK=ON log file is moved from the root directory (which is not writable on current versions of Windows) to the user's HOME directory.

If %HOME% isn't set, filePro uses %HOMEPATH%. If that is not set either, then filePro will use the user's "my documents" directory.

(GI) #1229

When using @GUI.RECVFILE(), if the client gets an error (file not found, permission denied, etc.) or if the file is zero length, filePro would write garbage to the destination file.

(All) #1233

On filePro-MySQL, it was possible to crash filePro with certain combinations of lookup-dash followed by "if: not -" and "if: -".

(All) #1234

Using "if: locked(-)" could crash filePro.

(All) #1235

If you are sitting in an ODBC file, and have a lookup (not lookup dash) to the same file, filePro can crash when the file is closed. (Syntax check in *cabe on such processing could crash as well.)

(All) #1236

If you use one of the PRINTER commands to send the output to a PDF destination, followed by PRINTER RESET, and then come other PRINTER command to set the destination to a non-PDF destination, that output will be "lost", and no output generated.

(All) #1237

If you have a menu command with "@" for wait-on-return, and press Ctrl-C/Del/Break at the "Press enter to continue" prompt, runmenu would exit completely, even if this was a nested menu.

(All) #1241

If you have a memo field which you grow over time, such that the memo becomes fragmented, and then shrink the memo such that the last fragment is no longer needed, the blob file will be in an inconsistent state. If you then grow the memo again, the file will be corrupted such that either (1) filePro will crash when updating that memo, or (2) two memos will be "cross-linked" together.

(ODBC/MySQL) #1242

If you are sitting in an ODBC/MySQL file, and have a (non-dash) indexed lookup into the same file, GETNEXT will always find the record after the one you're sitting on, and not the lookup record.

(ODBC/MySQL) #1243

A browse lookup on an ODBC/MySQL file to itself would not respect the "must match" flag.

5.7.(00,01,02).03 Release Notes

(Quikstart) #1188

If you have a DECLARE GLOBAL variable in input processing, and CHAIN to another prc file, and then CHAIN back to the original input processing, the DECLARE GLOBAL variables would be cleared.

(All) #1204

If you have a processing table created outside of filePro, with a "then" line longer than *cabe's 127-character limit, *cabe may crash on Windows 8 systems with a stack corruption error when you try to save the processing.

(All) #1205

There is now a "-FC" flag to ddir to delete selection sets.

(All) #1206

If you have a CALL from automatic processing, and that called table closes a lookup which is already open in input (or output) processing,

then filePro may crash when that lookup is accessed in input (or output) processing.

(All) #1207

If you have a protected lookup-dash, followed by an unadorned "WRITE", the current record would be unlocked.

(All) #1208

If, in add records mode, you have a lookup to the current file, a DELETE, and a lookup-dash, you can get a "deleted key not found" error on the lookup-dash.

(All) #1209

If you executed an unprotected lookup-dash while in update mode, the resulting record was left unlocked, despite being treated as being in update mode. Such a lookup will now be implicitly locked.

(All) #1211

filePro didn't properly handle deleting an ODBC connection:

ODBC_CONNECTION handle DELETE

if there were open recordsets on that connection. filePro will now implicitly close (but not delete) any recordsets on that connection prior to closing the connection. (The recordset handles will remain valid, but the only operation permitted on such recordsets is to delete them.)

(Windows) #1213

When comparing a date field to a non-date field, it was possible to cause a Windows "debug assertion failed" error in "just the right combination of circumstances".

(All) #1214

If you are adding a new record, and have a lookup-dash to a record which is locked, and press BREAK/DEL while the "waiting for record to be unlocked" message is on the screen, filePro would delete the lookup record, rather than the yet-to-be-created record you were sitting on.

(All) #1215

Attempting to do date arithmetic on a date field containing "/OV" could cause filePro to hang/crash. filePro will now correctly return "/OV" in those cases.

(fileProGI) #1216

Under GI, ddefine didn't move the cursor into another field if you clicked the mouse.

(All) #1217

If the main file is encrypted, and you have a lookup to the main file, and you then close that lookup, further access to the main file may no longer decrypt/encrypt correctly.

(All) #1218

Task item #1181 caused @SF/@SH on output formats to always be blank. (Note that they still worked in output processing. It was only on the output format that failed.)

(*nix) #1220

Fix for #1127 (restore umask for SYSTEM) caused ddefine to not create new directories with the correct permissions.

(Windows) #1221

5.7.01 (and later) fpcopy didn't properly rename files under Windows.

(All) #1223

DOKEY would not properly handle a number to switch screens.

=====
5.7.01.01 Release Notes
=====

(All) #1175

When using dexpand to pre-expand an encrypted file, the new records could contain garbage.

=====
5.7.00.02 Release Notes
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(All) #1013

The @WORDWRAP[] data would include the newline at the end of the last line, even when requesting that newlines be stripped.

(All) #1058

licinfo did not respect PFLICFILE.

(Windows) #1131

Some Windows systems were unable to read the MAC address for licensing.

(All) #1145

Grace period splash screen time can now be dismissed by pressing a key.

(All) #1178

A selection set passed with "-s", which had a "-" in the name, would be truncated at the "-".

(Windows) #1185

Some Windows systems were unable to read the Windows product key for licensing.

(Quikstart) #1186

Datamath on 2-digit-year fields which overflowed the 2-digit-year range would result in erroneous values, rather than "/OV". (Quikstart only.)

(All) #1190

Fixed cosmetic errors when displaying record numbers beyond 99,999,999.

(All) #1191

Selection sets in files larger than 99,999,999 records which referenced @RN, did not properly select records.

(All) #1193

INPUT POPUP had an undocumented limit of 70 characters for the input field. If the field was longer than 70, the remaining characters were filled with spaces. This limit has been removed, and the field will now scroll if too wide for the screen.

(All) #1194

Fields @PM, @PW, @PX, @PY, and @PZ defaulted to the value " ", rather than "".

(*nix) #1195

The USER command could leave defunct processes after CLOSE.

(All) #1196

@TS is now (10,.0) on files larger than 99,999,999 records.

(All) #1197

More information will be recorded in the license log file for license failures.

(All) #1199

If you have an F6-defined browse lookup which requires more than 73 characters to display the data, and then edit the format, the end of the data of the selected record would "bleed" into the format.

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5.7.00.01 Release Notes

(*nix) #1001

filePro didn't properly read free space on some systems with more than 4GB of free space.

(*nix) #1127

When executing SYSTEM() commands in processing, filePro now restores the original umask value.

(All) #1130

If you have a protected lookup to the main file, and end up on the same record you are updating (such as via a GETNEXT loop), and modify that record, and then move off the current record, the lookup (ie: the record you are sitting on) will be written and unlocked. This leaves you in update on an unlocked record, with the old data.

filePro will now prevent you from modifying the current record via a lookup while in update mode. (Just as it prevents you from deleting it.)

(All) #1169

Some edits punctuation that occurred within a literal when that literal was within the same punctuation, could cause filePro to crash. For example:

```
< "<" >  
( "hello(there" )
```

(All) #1170

When restructuring files larger than 4GB, ddefine could hang.

(All) #1171

If you run a report with sort/select processing, but no automatic or output processing, it is possible for *report to crash when it gets to the grand totals.

(All) #1173

When using fuzzy browse mode, if you search on an associated field, it is possible that the field name will be rejected upon returning to the "enter field" screen.

(All) #1179

If you have a protected lookup using an alias, and modify the lookup, and then execute another lookup using the same alias without issuing a WRITE, the previous lookup record will be unlocked before being written. This leaves a small windows of opportunity to have another process read and lock the record before the first process writes the new data.

(All) #1180

A browse lookup-dash did not properly handle record locking, either leaving the previous record locked, nor not locking the new record.

(All) #1181

On files with more than 99,999,999 records, @RN was not properly set to 10 characters, causing erroneous record numbers to be reported for record 100,000,000 onwards.

Note the following issue still remains for now; If you enter *clerk on a file with less than 100 million records, and have @RN on the screen, and then start adding records so that the file then contains more than 100 million records, the value of @RN as displayed on the screen will remain at 8 characters until you switch screens. Other references to @RN will properly adjust to 10 characters.

(All) #1182

If you have a file with no automatic or input processing, and use "F-Form" to print a form that has output processing, then use "7-Change File" to another file with no automatic or input processing, attempting to then update/add a record can crash *clerk.

(All) #1184

A selection set which includes 12 AND/OR items in the sentence can crash filePro.

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5.7.01.00 Release Notes
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(All)

Encrypted filePro key/data/blob.

(All)

"PFREADONLYWARNING=OFF" turns off all read-only warning messages.

(All) #1169

Some edits punctuation that occurred within a literal, when that literal was within that same punctuation, could cause filePro to crash. For example:

```
<"<">  
( "hello(there" )
```

(All) #1170

When restructuring files larger than 4GB, ddefine could hang.

(All) #1171

If you run a report with sort/select processing, but no automatic or output processing, it is possible for *report to crash when it gets to the grand totals.

5.7.00.00 Release Notes

All platforms

All bug fixes from 5.6.11 and prior revisions are included in this product. Refer to the readme_5.6.11.txt file.

SCO OSR5

Note that on SCO's OSR5, "AF_INET6" is unknown, as our OSR5 development system does not support IPv6 as far as we can tell.

All platforms

If you pass an unknown family to SOCKET(), AF_INET ("IPv4") is used.

If you pass an unknown family to BIND2(), AF_UNSPEC ("any") is used.

All platforms

```
xx = @ODBCEXCEPTION.CLEAR
```

This will clear any text currently returned by @ODBCEXCEPTION[]

Windows

Windows GI GIclient -pq local printer support

All platforms

When using ENCRYPT() and not passing a nonce (ie: allow filePro to generate the nonce), it was possible to generate the same nonce on two calls in a row.

All platforms

The HMS edit in filePro 5.7 now supports times up to 1999999999:59:59, rather than the previous limit of 596523:14:07.

Windows

Under Windows, if a filePro program was run from the task scheduler, and an error occurred, filePro would wait forever for the non-existent user to press Enter to continue.

All platforms

If you have a MEMO EDIT command within @WUK processing, and have the "-d" flag on the command line, the memo editor prompts were left on-screen upon saving the memo.

All platforms

In some cases, if you get a syntax error on a "large" processing table in rcabe, the program will crash upon pressing Enter at the error message. Note, this is rcabe only.

All platforms

If you have an index built on a field with a user edit (ie: not a system edit), and you add or delete edits prior to the edit definition, dclerk might not respect the edit in the "enter index search data" dialog after the initial scan. Note that this is typically harmless, but it can interfere with the behavior of right-justified edits.

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