

# FILEMAN 22.2

PART 1 OF THE FLAP PROJECT



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and

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# WHAT ARE THE NEW FEATURES?

- PS: Most features come from MSC Fileman
- Screenman enhancements
- i18n/L10n
- Better Data Analysis Tools
- Enhanced Auditing
- Enhanced FIND and LIST^DIC DBS calls

# MORE NEW FEATURES...

- Data protection enhancements
- Expanded data storage
- Standalone version
- DIFROM enhancement
- Unit Tests



# SCREENMAN ENHANCEMENTS

File Edit View Bookmarks Settings Help

Edit a Build PAGE 1 OF 5

Name: **PSO\*6.0\*102** TYPE: **SINGLE PACKAGE**

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Name: **PSO\*6.0\*102**

Date Distributed: **MAY 29, 1996**

Description: **+** Delete Routine after install

Environment Check Routine: **[REDACTED]** Y/N: **[REDACTED]**

Pre-Install Routine: **PSOCLPOS** Y/N: **[REDACTED]**

Post-Install Routine: **[REDACTED]** Y/N: **[REDACTED]**

Pre-Transportation Routine: **[REDACTED]**

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Exit Save Next Page Previous Page Refresh Quit

Enter a COMMAND, or "^" followed by the CAPTION of a FIELD to jump to.

COMMAND: **[REDACTED]** Press <F1>H for help **Insert**

# I18N/L10N

- Fileman can now have data dictionary elements in any language and will display the correct language depending on the user's DUZ("LANG") value.
- Fileman handles dates consistently based on the value of the ^DD("DD") node.
- Fileman seamlessly handles all forms of non-US Dates using the "I" flag to %DT.
- Expanded Language File (^DMLAINIT)

# IMPROVED DATA ANALYSIS TOOLS

- Dangling pointer reporter (^DIVRPTR)
- Find pointers into files
- Improved Verify Fields option
- DD Comparer across UCIs

# ENHANCED AUDITING CAPABILITIES

- WP fields can now be audited
- DD changes are now automatically audited
- New options to show changes done by a specific user and all changes to DD by date



# ENHANCED FIND AND LIST^DIC

- Returned fields list can now return computed fields, including multiples and relational jumps
- “E” flag will now cause all output to be returned even if the data is erroneous.
- New 8th parameter to LIST^DIC will be invoked if “X” flag is supplied. Lets you use the print module to sort data.

# COMPUTED RETURN FIELDS EXAMPLES

- 5,, "@;.01;1;COUNT(COUNTY)
  - Get me the count of each of the county subfiles in the State File
- 9000010,, "@;.01;V PROVIDER:PROVIDER"
  - Get me all providers for each visit I list.
  - Extra Credit: What kind of jump is this?

## “E” FLAG

- Only works in special circumstances
  - Sex of Patient is “U”
  - Pointer to entry that doesn't exist
- Has no effect if input to Lister or Finder is incorrect.

# PRINT MODULE INTEGRATION WITH LISTER

- "X" flag.
- Can sort on un-indexed field:
  - `D LIST^DIC(200,,.01,"X",,,,202.1)`
- Filter using expression:
  - `D LIST^DIC(50,, ".01;101", "XP",,,, "MESSAGE[""HOME  
MED"" & (#.01[""VITAMIN""])"`

# PRINT MODULE INTEGRATION (CONT)

- By Sort Template:
  - D LIST^DIC(60,,.01,"XP",9,,,"[LR TEST DICTIONARY]")
- Several Parameters (BY variable)
  - D LIST^DIC(2,,.01,"XP",,,,"YEAR(DOB),NAME")
- Down a multiple
  - D LIST^DIC(19,,.01,"XP",,,,"10,.01")

# SILENT CREATION OF SORT TEMPLATES

- Bonus
  - BUILDNEW<sup>^</sup>DIBTED

# DATA PROTECTION ENHANCEMENTS

- WP fields can now be uneditable
- Certain xrefs can now be made non-rerunnable

# EXPANDED DATA STORAGE

- `^DD("STRING_LIMIT")`



# MISC

- Standalone Fileman Installation
- DIFROM Enhancements
- Unit Tests
  - DMUDT000
  - DMUDTC00
  - DMUDIC00

# WHERE CAN I GET IT?

- Git repo:  
<https://github.com/OSEHRA/fileman-22p2>
- RSA: curl this:  
<https://github.com/OSEHRA/fileman-22p2/blob/master/VA-FILEMAN-22P2T1.RSA?raw=true>
- Install Guide:  
<http://www.osehra.org/document/updated-install-guide-second-update-fileman-v222>

# WHERE CAN I GET IT? (CONT)

- New version (Verification #1) coming out Feb 1st.

# REVIVING THE LOST ART OF VERIFICATION

- Verifying Fileman?????
  - XINDEX
  - Stress Testing
  - Unit Tests
  - Spell Checking thousands of words
  - Mumps fields checks
  - Checking documentation on every file/field
  - Checking on-line documentation
  - Testing all new features

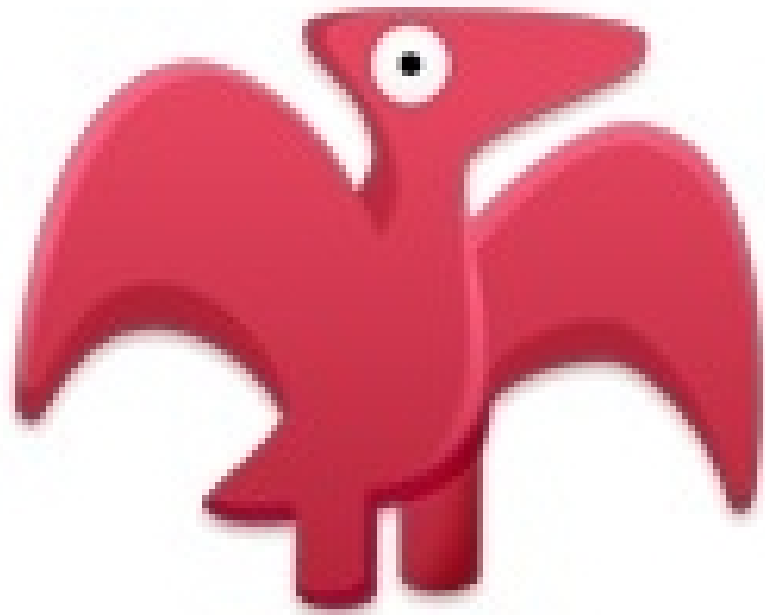
# CERTIFICATION

- In progress
- OSEHRA Journal Article submission
- Unit Tests

# WHITHER THE PTERODACTYL?

- Phase 2: Fileman 22.3 and Lab 5.3
  - Fileman 22.3 Features: Computed Pointers, Segregate MUMPS OS features, Virgin Install
  - Lab 5.3: Lab Code Convergence: Reunify Current Versions, Virgin Install
- Phases 3 & 4: Additional versions of both Fileman and Lab, building incrementally

**THE PROMISE OF EVOLUTION:**



**YESTERDAY A DINOSAUR,  
TOMORROW AN EAGLE!**