**DI\*22.2\*10**

**TEST PLAN**

**Description:**

This patch corrects six issues with VA FileMan 22.2. All of these issue where discovered at sites that have installed VA FileMan 22.2, DI\*22.2\*5, and DI\*22.2\*8.

1. DIWP only supports string up to 999 characters. This patch changes DIWP to support strings up to 9999 characters.
2. Patch DI\*22.2\*7 fixed the NUMDATE function in the FUNCTION file #5, but not the DINIT suite of routines. This patch added the fix to the DINIT4 routine.
3. The variable DO is not killed after a called to DIE if user asked for help in a Date field. This patch kills DO in the DIEQ routine.
4. A new api, EN^DITP, will allow developers to repoint values for a deleted field.
5. New options that were added in patch DI\*22.2\*2 were added with no parent. This patch will delete those options and add them to the programmer utility, DII.
6. New API CHKPT^DIUTL(file, ien, message), finds all records that point to record ien in file.

**Pre Testing (Before installing patch DI\*22.2\*10)**

1. Verify DIWP can handle lines over 4k bytes:
   1. Open this file using Notepad and highlight all of the text and copy into a buffer:



* 1. You now need to be in programmer mode. At the programmer prompt type ‘S X=’ and paste the text from the buffer.
  2. Type ‘S DIWL=1,DIWF=”C+60” K ^UTILITY($J,”W”) D ^DIWP’
  3. Use the Global Utility to examine the UTILITY($J,”W”) global and write down the last index.

TST>S X= "Molecular Pathology Procedure, Level 1 (Eg, Identification Of…”

TST>S DIWL=1,DIWF=”C+60” K ^UTILITY($J,”W”) D ^DIWP

TST>D ^%G

For help on global specifications DO HELP^%G

Global ^UTILITY($J,"W" -- NOTE: translation in effect

^UTILITY(28980,"W",1)=18

^UTILITY(28980,"W",1,1,0)="Molecular Pathology Procedure, Level 1 (Eg,Identific

ation"

^UTILITY(28980,"W",1,2,0)="Of Single Germline Variant [Eg, Snp] By Techniques Such As"

^UTILITY(28980,"W",1,3,0)="Restriction Enzyme Digestion Or Melt Curve Analysis)

Acadm"

…

^UTILITY(28980,"W",1,18,0)="(Coagulation F "

Global ^

Write down 18. DIWP was only able to format 18 lines. With this patch it will process the whole text and format 83 lines.

1. Verify that NUMDATE is changed in DINIT suite of routines:
   1. In programmer mode you need to load the routine DINIT4 and print the line DD+22. Note the code used to define NUMDATE.

TST>ZL DINIT4

TST>ZP DD+22

;;NUMDATE;S:X X=$$OUT^DIALOGU(X,"FMTE",2);^D;;DATE IN 'NN/NN/NN' FORMAT

1. The variable DO is not killed after a call to DIE if a user asked for help in a multiple Date field.
   1. Use VA FileMan to create a test file, ‘ZZPATCH DI 10’, and add a multiple field that is a date, ‘DATEM’.
   2. In programmer mode check that the variable DO is undefined.
   3. Edit the file and add a new record, ‘ONE’, and at the DATEM prompt, enter ‘??’.
   4. Exit FileMan and check the variable DO.

TST>D Q^DI

VA FileMan 22.2

Select OPTION: 4 MODIFY FILE ATTRIBUTES

Do you want to use the screen-mode version? YES// NO

Modify what File: ZZRON TEST// ZZPATCH DI 10

Are you adding 'ZZPATCH DI 10' as a new FILE? No// Y (Yes)

FILE NUMBER: 16000043//

INTERNAL GLOBAL REFERENCE: ^DIZ(16000043,//

...EXCUSE ME, I'M WORKING AS FAST AS I CAN...

A FreeText NAME Field (#.01) has been created.

Select FIELD: DATEM

Are you adding 'DATEM' as a new FIELD (the 2ND)? No// Y (Yes)

FIELD NUMBER: 1//

DATA TYPE OF DATEM: DATE/TIME

EARLIEST DATE (OPTIONAL):

CAN DATE BE IMPRECISE (Y/N): YES//

CAN TIME OF DAY BE ENTERED (Y/N): NO//

WILL DATEM FIELD BE MULTIPLE? No// Y (Yes)

SUBSCRIPT: 1//

IS DATEM ENTRY MANDATORY (Y/N): NO// NO

SHOULD USER SEE AN "ADDING A NEW DATEM?" MESSAGE FOR NEW ENTRIES (Y/N): Y YES

HAVING ENTERED OR EDITED ONE DATEM, SHOULD USER BE ASKED ANOTHER (Y/N): N NO

SUB-DICTIONARY NUMBER: 16000043.01//

....

....

'HELP'-PROMPT:

XECUTABLE 'HELP':

DESCRIPTION:

1>

Select FIELD:

Select OPTION:

TST>ZR

TST>W DO

W DO

^

<UNDEFINED> \*DO

TST>D Q^DI

VA FileMan 22.2

Select OPTION: ENTER OR EDIT FILE ENTRIES

Input to what File: ZZPATCH DI 10// (0 entries)

EDIT WHICH FIELD: ALL//

Select ZZPATCH DI 10 NAME: ONE

Are you adding 'ONE' as a new ZZPATCH DI 10 (the 1ST)? No// Y (Yes)

Select DATEM: ??

You may enter a new DATEM, if you wish

Examples of Valid Dates:

JAN 20 1957 or 20 JAN 57 or 1/20/57 or 012057 (omitting punctuation)

T (for TODAY), T+1 (for TOMORROW), T+2, T+7, etc.

T-1 (for YESTERDAY), T-3W (for 3 WEEKS AGO), etc.

If the year is omitted, the computer uses CURRENT YEAR.

A 2-digit year means no more than 20 years in the future, or 80 years in

the past.

You may omit the precise day of the month, e.g.: Jan, 1957

Select DATEM:

Select ZZPATCH DI 10 NAME:

Select OPTION:

TST>ZR

TST>W DO

DATEM^16000043.01D

TST>ZW DO

DO="DATEM^16000043.01D"

DO(2)="16000043.01D"

TST>

1. New API EN^DITP(file, list).
   1. In programmer mode, load the routine DITP and check for tag EN. Note that the tag doesn’t exists.

TST>ZL DITP

TST>ZP EN

TST>

1. Check for options that will be deleted.
   1. Use VA FileMan to verify that options exists.
   2. In programmer mode, check that options don’t exist in DI menu.

VA FileMan 22.2

Select OPTION: 5 INQUIRE TO FILE ENTRIES

Output from what File: OPTION// 19 OPTION (1632 entries)

Select OPTION NAME: DI DATA TYPE OPTIONS DATA TYPE OPTIONS

Another one: DI DATA TYPE FILE ENTER OR EDIT DATA TYPE FILE

Another one: DI DATA TYPE METHOD FILE ENTER OR EDIT DATA TYPE METHOD FILE

Another one: DI DATA TYPE PROPERTY FILE ENTER OR EDIT DATA TYPE PROPERTY FILE

Another one:

STORE THESE ENTRY ID'S IN TEMPLATE:

Standard Captioned Output? Yes// ^

Select OPTION:

TST>D Q^DI

VA FileMan 22.2

Select OPTION: ?

Answer with OPTION NUMBER, or NAME

Choose from:

1 ENTER OR EDIT FILE ENTRIES

2 PRINT FILE ENTRIES

3 SEARCH FILE ENTRIES

4 MODIFY FILE ATTRIBUTES

5 INQUIRE TO FILE ENTRIES

6 UTILITY FUNCTIONS

7 OTHER OPTIONS

8 DATA DICTIONARY UTILITIES

9 TRANSFER ENTRIES

Select OPTION: 7 OTHER OPTIONS

Select OTHER OPTION: ?

Answer with OTHER OPTION NUMBER, or NAME

Choose from:

1 FILEGRAMS

2 ARCHIVING

3 AUDITING

4 SCREENMAN

5 STATISTICS

6 EXTRACT DATA TO FILEMAN FILE

7 DATA EXPORT TO FOREIGN FORMAT

8 IMPORT DATA

9 BROWSER

10 DATA ACCESS CONTROL

Select OTHER OPTION:

Note that there is no option 11 DATA TYPE OPTIONS

**Testing**

After installing patch DI\*22.2\*10 you need to rerun the test scripts.

1. Do the same test with DIWP and verify that now ^UTILITY($J,”W”) will contain 83 nodes.
2. Verify that NUMDATE has changed in the DINIT4 routine.

TST>ZL DINIT4

TST>ZP DD+22

;;NUMDATE; S:X X=$E(X,4,5)\_"/"\_$E(X,6,7)\_"/"\_$E(X,2,3);^D;;DATE IN 'NN/N

N/NN' FORMAT

1. Verify that the variable DO is undefined after a call to DIE if a user asked for help in a multiple Date field.

TST>ZR

TST>W DO

W DO

^

<UNDEFINED> \*DO

TST>D Q^DI

VA FileMan 22.2

Select OPTION: ENTER OR EDIT FILE ENTRIES

Input to what File: OPTION// ZZPATCH DI 10 (1 entry)

EDIT WHICH FIELD: ALL//

Select ZZPATCH DI 10 NAME: ONE

NAME: ONE//

Select DATEM: ??

You may enter a new DATEM, if you wish

Examples of Valid Dates:

JAN 20 1957 or 20 JAN 57 or 1/20/57 or 012057 (omitting punctuation)

T (for TODAY), T+1 (for TOMORROW), T+2, T+7, etc.

T-1 (for YESTERDAY), T-3W (for 3 WEEKS AGO), etc.

If the year is omitted, the computer uses CURRENT YEAR.

A 2-digit year means no more than 20 years in the future, or 80 years in

the past.

You may omit the precise day of the month, e.g.: Jan, 1957

Select DATEM:

Select ZZPATCH DI 10 NAME:

Select OPTION:

TST>ZR

TST>W DO

W DO

^

<UNDEFINED> \*DO

TST>ZW DO

1. Verify that the API EN^DITP exists

TST>ZL DITP

TST>ZP EN

EN(DIFILE,DILIST) ;IF THERE ARE POINTERS TO FILE 'DIFILE', GO THRU THE DILIST AND CHANGE THE POINTERS

TST>

1. Verify that the DI DATA TYPE options don’t exist in the OPTION file and does exist in the DI menu.

VA FileMan 22.2

Select OPTION: 5 INQUIRE TO FILE ENTRIES

Output from what File: OPTION// (11329 entries)

Select OPTION NAME: DI DATA TYPE OPTIONS ??

Select OPTION NAME: DI DATA TYPE FILE ??

Select OPTION NAME: DI DATA TYPE METHOD FILE ??

Select OPTION NAME: DI DATA TYPE PROPERTY FILE ??

Select OPTION:

TST>D Q^DI

VA FileMan 22.2

Select OPTION: ?

Answer with OPTION NUMBER, or NAME

Choose from:

1 ENTER OR EDIT FILE ENTRIES

2 PRINT FILE ENTRIES

3 SEARCH FILE ENTRIES

4 MODIFY FILE ATTRIBUTES

5 INQUIRE TO FILE ENTRIES

6 UTILITY FUNCTIONS

7 OTHER OPTIONS

8 DATA DICTIONARY UTILITIES

9 TRANSFER ENTRIES

Select OPTION: 7 OTHER OPTIONS

Select OTHER OPTION: ?

Answer with OTHER OPTION NUMBER, or NAME

Do you want the entire 11-Entry OTHER OPTION List? Y (Yes)

Choose from:

1 FILEGRAMS

2 ARCHIVING

3 AUDITING

4 SCREENMAN

5 STATISTICS

6 EXTRACT DATA TO FILEMAN FILE

7 DATA EXPORT TO FOREIGN FORMAT

8 IMPORT DATA

9 BROWSER

10 DATA ACCESS CONTROL

11 DATA TYPE OPTIONS

Select OTHER OPTION: 11 DATA TYPE OPTIONS

Select EXTENSIBLE DATA TYPE OPTIONS: ?

Answer with EXTENSIBLE DATA TYPE OPTIONS NUMBER, or NAME

Choose from:

1 ENTER OR EDIT DATA TYPE FILE

2 ENTER OR EDIT DATA TYPE METHOD FILE

3 ENTER OR EDIT DATA TYPE PROPERTY FILE

Select EXTENSIBLE DATA TYPE OPTIONS:

Select OTHER OPTION:

Select OPTION:

1. Verify that the API CHKPT^DIUTL exists

TST>ZL DIUTL

TST>ZP CHKPT

CHKPT(DIFILE,DA,DIMSG) ;check if any entries points to this entry(DA) in file (DIFILE)

TST>

**Post Testing**

1. Delete test file: ZZPATCH DI 10

VA FileMan 22.2

Select OPTION: 6 UTILITY FUNCTIONS

Select UTILITY OPTION: EDIT FILE

Modify what File: ZZPATCH DI 10// (1 entry)

Do you want to use the screen-mode version? YES// NO

NAME: ZZPATCH DI 10// @

DO YOU WANT JUST TO DELETE THE FILE CONTENTS,

& KEEP THE FILE DEFINITION? No// (No)

IS IT OK TO DELETE THE '^DIZ(16000043)' GLOBAL? Yes// (Yes)

SURE YOU WANT TO DELETE THE ENTIRE 'ZZPATCH DI 10' FILE? Y (Yes)

Deleting the DATA DICTIONARY...

Deleting the INPUT TEMPLATES...

Deleting the PRINT TEMPLATES...

Deleting the SORT TEMPLATES...

Deleting the FORMS...

Deleting the BLOCKS...

Select UTILITY OPTION:

Select OPTION: