# DI\*22.2\*10 REGRESSION TESTS

## Description:

This patch corrects seven issues with VA FileMan 22.2. The Regression Tests can only be performed on the issues that affected current use. The following issues will not be tested because no current application utilizing them:

1. Change to DINIT4 routine
2. New api EN^DITP
3. Deleting of options
4. New api CHKPT^DIUTL

### I. The DIWP api only support strings up to 999 characters

The DIWP api is used to format multiple strings of text. The input variable X is a string of text and DIWP only reads the first 999 characters. This patch extends that restriction to 9999 characters. To verify this fix has not adversely affected other FileMan text utilities, ScreenMan and scroll mode Word Processing fields were tested with text greater than 999 characters.

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| Date Tested: 12/7/2017 |
| Tester: Ron DiMiceli |
| Build: DI\*22.2\*10 TEST v3 |
| VA FileMan 22.2  Select OPTION: ENTER OR EDIT FILE ENTRIES  Input to what File: ZZRON1// (0 entries)  EDIT WHICH FIELD: ALL// TESTWORD (word-processing)  THEN EDIT FIELD:  Select ZZRON1 NAME: ONE  Are you adding 'ONE' as a new ZZRON1 (the 1ST)? No// Y (Yes)  TESTWORD:  1>"Molecular Pathology Procedure, Level 1 (Eg, Identification Of Single Germli  ne Variant [Eg, Snp] By Techniques Such As Restriction Enzyme Digestion Or Melt  Curve Analysis) Acadm (Acyl-Coa Dehydrogenase, C-4 To C-12 Straight Chain, Mcad)  (Eg, Med  2>ium Chain Acyl Dehydrogenase Deficiency), K304e Variant Ace (Angiotensin Con  verting Enzyme) (Eg, Hereditary Blood Pressure Regulation), Insertion/Deletion V  ariant Agtr1 (Angiotensin Ii Receptor, Type 1) (Eg, Essential Hypertension), 116  6a>C Vari  3>ant Bckdha (Branched Chain Keto Acid Dehydrogenase E1, Alpha Polypeptide) (E  g, Maple Syrup Urine Disease, Type 1a), Y438n Variant Ccr5 (Chemokine C-C Motif  Receptor 5) (Eg, Hiv Resistance), 32-Bp Deletion Mutation/794 825del32 Deletion  Clrn1 (Cl  4>arin 1) (Eg, Usher Syndrome, Type 3), N48k Variant Dpyd (Dihydropyrimidine D  ehydrogenase) (Eg, 5-Fluorouracil/5-Fu And Capecitabine Drug Metabolism), Ivs14+  1g>A Variant F2 (Coagulation Factor 2) (Eg, Hereditary Hypercoagulability), 1199  g>A Varia  5>nt F5 (Coagulation Factor V) (Eg, Hereditary Hypercoagulability), Hr2 Varian  t F7 (Coagulation Factor Vii [Serum Prothrombin Conversion Accelerator]) (Eg, He  reditary Hypercoagulability), R353q Variant F13b (Coagulation Factor Xiii, B Pol  ypeptide)  6> (Eg, Hereditary Hypercoagulability), V34l Variant Fgb (Fibrinogen Beta Chai  n) (Eg, Hereditary Ischemic Heart Disease), -455g>A Variant Fgfr1 (Fibroblast Gr  owth Factor Receptor 1) (Eg, Pfeiffer Syndrome Type 1, Craniosynostosis), P252r  Variant F  7>gfr3 (Fibroblast Growth Factor Receptor 3) (Eg, Muenke Syndrome), P250r Vari  ant Fktn (Fukutin) (Eg, Fukuyama Congenital Muscular Dystrophy), Retrotransposon  Insertion Variant Gne (Glucosamine [Udp-N-Acetyl]-2-Epimerase/N-Acetylmannosami  ne Kinase  8>) (Eg, Inclusion Body Myopathy 2 [Ibm2], Nonaka Myopathy), M712t Variant Hum  an Platelet Antigen 1 Genotyping (Hpa-1), Itgb3 (Integrin, Beta 3 [Platelet Glyc  oprotein Iiia], Antigen Cd61 [Gpiiia]) (Eg, Neonatal Alloimmune Thrombocytopenia  [Nait],  9>Post-Transfusion Purpura), Hpa-1a/B (L33p) Human Platelet Antigen 2 Genotypi  ng (Hpa-2), Gp1ba (Glycoprotein Ib [Platelet], Alpha Polypeptide [Gpiba]) (Eg, N  eonatal Alloimmune Thrombocytopenia [Nait], Post-Transfusion Purpura), Hpa-2a/B  (T145m) H  10>uman Platelet Antigen 3 Genotyping (Hpa-3), Itga2b (Integrin, Alpha 2b [Plat  elet Glycoprotein Iib Of Iib/Iiia Complex], Antigen Cd41 [Gpiib]) (Eg, Neonatal  Alloimmune Thrombocytopenia [Nait], Post-Transfusion Purpura), Hpa-3a/B (I843s)  Human Pla  11>telet Antigen 4 Genotyping (Hpa-4), Itgb3 (Integrin, Beta 3 [Platelet Glycop  rotein Iiia], Antigen Cd61 [Gpiiia]) (Eg, Neonatal Alloimmune Thrombocytopenia [  Nait], Post-Transfusion Purpura), Hpa-4a/B (R143q) Human Platelet Antigen 5 Geno  typing (H  12>pa-5), Itga2 (Integrin, Alpha 2 [Cd49b, Alpha 2 Subunit Of Vla-2 Receptor] [  Gpia]) (Eg, Neonatal Alloimmune Thrombocytopenia [Nait], Post-Transfusion Purpur  a), Hpa-5a/B (K505e) Human Platelet Antigen 6 Genotyping (Hpa-6w), Itgb3 (Integr  in, Beta  13>3 [Platelet Glycoprotein Iiia, Antigen Cd61] [Gpiiia]) (Eg, Neonatal Alloimm  une Thrombocytopenia [Nait], Post-Transfusion Purpura), Hpa-6a/B (R489q) Human P  latelet Antigen 9 Genotyping (Hpa-9w), Itga2b (Integrin, Alpha 2b [Platelet Glyc  oprotein  14>Iib Of Iib/Iiia Complex, Antigen Cd41] [Gpiib]) (Eg, Neonatal Alloimmune Thr  ombocytopenia [Nait], Post-Transfusion Purpura), Hpa-9a/B (V837m) Human Platelet  Antigen 15 Genotyping (Hpa-15), Cd109 (Cd109 Molecule) (Eg, Neonatal Alloimmune  Thromboc  15>ytopenia [Nait], Post-Transfusion Purpura), Hpa-15a/B (S682y) Il28b (Interle  ukin 28b [Interferon, Lambda 3]) (Eg, Drug Response), Rs12979860 Variant Ivd (Is  ovaleryl-Coa Dehydrogenase) (Eg, Isovaleric Acidemia), A282v Variant Lct (Lactas  e-Phloriz  16>in Hydrolase) (Eg, Lactose Intolerance), 13910 C>T Variant Neb (Nebulin) (Eg  , Nemaline Myopathy 2), Exon 55 Deletion Variant Pcdh15 (Protocadherin-Related 1  5) (Eg, Usher Syndrome Type 1f), R245x Variant Serpine1 (Serpine Peptidase Inhib  itor Clad  17>e E, Member 1, Plasminogen Activator Inhibitor -1, Pai-1) (Eg, Thrombophilia  ), 4g Variant SHOC2 (Soc-2 Suppressor of Clear Homolog) (eg, Noonan-like Syndrom  e with Loose Anagn Hair), s2g Variant SLCO1B1 (Solute Carrier Organic Anion Tran  sporter F  18>amily, Member 1B1) (eg, Adverse Drug Reaction), v174a Variant SMN1 (Survival  of Motor Neuron 1, Telomeric) (eg, Spinal Muscular Atrophy), Exon 7 Deletion SR  Y (Sex Determining Region Y) (eg, 46,XX Testicular Disorder of Sex Development,  Gonadal D  19>ysgenesis), Gene Analysis tor1a (Torsin Family 1, Member A [Torsin A]) (eg,  Early-Onset Primary Dystonia [DYT1]), 907\_909DELGAG (904\_906DELGAG) Variant"  20>  EDIT Option:  Select ZZRON1 NAME: |
| Result: Passed |

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| Date Tested: 12/7/2017 |
| Tester: Ron DiMiceli |
| Build: DI\*22.2\*10 TEST v3 |
| VA FileMan 22.2  Select OPTION: OTHER OPTIONS  Select OTHER OPTION: SCREENMAN  Select SCREENMAN OPTION: RUN A FORM  Run Form from what File: ZZRON1// (1 entry)  Select FORM: RON1 RON1 (NOV 28, 2017@13:23)User #1114 File #500005  Select ZZRON1 NAME: TWO  Are you adding 'TWO' as a new ZZRON1 (the 2ND)? No// Y (Yes)  TESTWORD:  ==[ WRAP ]==[INSERT ]===============< TESTWORD >=====[Press <PF1>H for help]====  (Eg, Neonatal Alloimmune Thrombocytopenia [Nait], Post-Transfusion  Purpura), Hpa-15a/B (S682y) Il28b (Interleukin 28b [Interferon, Lambda  3]) (Eg, Drug Response), Rs12979860 Variant Ivd (Isovaleryl-Coa  Dehydrogenase) (Eg, Isovaleric Acidemia), A282v Variant Lct  (Lactase-Phlorizin Hydrolase) (Eg, Lactose Intolerance), 13910 C>T  Variant Neb (Nebulin) (Eg, Nemaline Myopathy 2), Exon 55 Deletion Variant  Pcdh15 (Protocadherin-Related 15) (Eg, Usher Syndrome Type 1f), R245x  Variant Serpine1 (Serpine Peptidase Inhibitor Clade E, Member 1,  Plasminogen Activator Inhibitor -1, Pai-1) (Eg, Thrombophilia), 4g  Variant SHOC2 (Soc-2 Suppressor of Clear Homolog) (eg, Noonan-like  Syndrome with Loose Anagn Hair), s2g Variant SLCO1B1 (Solute Carrier  Organic Anion Transporter Family, Member 1B1) (eg, Adverse Drug  Reaction), v174a Variant SMN1 (Survival of Motor Neuron 1, Telomeric)  (eg, Spinal Muscular Atrophy), Exon 7 Deletion SRY (Sex Determining  Region Y) (eg, 46,XX Testicular Disorder of Sex Development, Gonadal  Dysgenesis), Gene Analysis tor1a (Torsin Family 1, Member A [Torsin A])  (eg, Early-Onset Primary Dystonia [DYT1]), 907\_909DELGAG (904\_906DELGAG)  Variant"  <=======T=======T=======T=======T=======T=======T=======T=======T=======T>======  Select ZZRON1 NAME:  Select OPTION: |
| Result: Passed |

### II. The %DT api doesn’t return an error for incorrect time when time is required

The %DT api is used in all fields that are defined as type DATE/TIME. To verify this fix hasn’t affected FileMan fields, four DATE/TIME type fields were tested from the FileMan Enter or Edit File Entries option. Each Date field allows time and will be tested first with an incorrect time and then a correct time.

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| Date Tested: 12/7/2017 |
| Tester: Ron DiMiceli |
| Build: DI\*22.2\*10 TEST v3 |
| Data Dictionary List File Attributes for the four fields:  16000046,2 DATE1 0;2 DATE  INPUT TRANSFORM: S %DT="ETX" D ^%DT S X=Y K:Y<1 X  LAST EDITED: NOV 30, 2017  16000046,3 DATE2 0;3 DATE  INPUT TRANSFORM: S %DT="ET" D ^%DT S X=Y K:Y<1 X  LAST EDITED: NOV 30, 2017  16000046,4 DATE3 0;4 DATE  INPUT TRANSFORM: S %DT="ESTXR" D ^%DT S X=Y K:Y<1 X  LAST EDITED: NOV 30, 2017  16000046,5 DATE4 0;5 DATE  INPUT TRANSFORM: S %DT="ESTX" D ^%DT S X=Y K:Y<1 X  LAST EDITED: NOV 30, 2017  VA FileMan 22.2  Select OPTION:  Select OPTION: enter OR EDIT FILE ENTRIES  Input to what File: RON TEST5// (3 entries)  EDIT WHICH FIELD: ALL// 2 DATE1  THEN EDIT FIELD: 3 DATE2  THEN EDIT FIELD: 4 DATE3  THEN EDIT FIELD: 5 DATE4  THEN EDIT FIELD:  Select RON TEST5 NAME: DIMICELI,RONALD  DATE1: T@2601??  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.    If the date is omitted, the current date is assumed.  Follow the date with a time, such as JAN 20@10, T@10AM, 10:30, etc.  You may enter NOON, MIDNIGHT, or NOW to indicate the time.  DATE1: T@2315 (DEC 07, 2017@23:15)  DATE2: T@2601??  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    If the date is omitted, the current date is assumed.  Follow the date with a time, such as JAN 20@10, T@10AM, 10:30, etc.  You may enter NOON, MIDNIGHT, or NOW to indicate the time.  DATE2: T@2315 (DEC 07, 2017@23:15)  DATE3: T@2601??  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.    If the date is omitted, the current date is assumed.  Follow the date with a time, such as JAN 20@10, T@10AM, 10:30, etc.  You may enter NOON, MIDNIGHT, or NOW to indicate the time.  Seconds may be entered, as e.g.: 10:30:30 or 103030AM  Time is REQUIRED to be entered.  DATE3: T@2315 (DEC 07, 2017@23:15:00)  DATE4: T@2601??  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.    If the date is omitted, the current date is assumed.  Follow the date with a time, such as JAN 20@10, T@10AM, 10:30, etc.  You may enter NOON, MIDNIGHT, or NOW to indicate the time.  Seconds may be entered, as e.g.: 10:30:30 or 103030AM  DATE4: T@2315 (DEC 07, 2017@23:15:00)  Select RON TEST5 NAME: |
| Result: Passed |

### III. The variable DO is not killed after a call to DIE

The DIE api is used to edit fields in any file. To verify this fix hasn’t affected editing capabilities, the DO variable will be set before editing fields in a file.

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| Date Tested: 12/7/2017 |
| Tester: Ron DiMiceli |
| Build: DI\*22.2\*10 TEST v3 |
| KRN>S DO=1  KRN>D ^DII  VA FileMan 22.2  Select OPTION: ENTER OR EDIT FILE ENTRIES  Input to what File: RON TEST5// (3 entries)  EDIT WHICH FIELD: ALL//  Select RON TEST5 NAME: CLARKE,KYLE E  NAME: CLARKE,KYLE E//  Select MULNUM: 2// 1  Are you adding '1' as a new MULNUM (the 2ND for this RON TEST5)? No// Y (Yes)  Select MULNUM: ?  Answer with MULNUM  Choose from:  1  2    You may enter a new MULNUM, if you wish  Type a number between 1 and 9999, 0 decimal digits.    Select MULNUM:  DATE1: NOW (DEC 07, 2017@11:58)  DATE2: NOW (DEC 07, 2017@11:58)  DATE3: NOW (DEC 07, 2017@11:58:36)  DATE4: NOW (DEC 07, 2017@11:58:37)  Select RON TEST5 NAME:  Select OPTION:  KRN>W DO  W DO  ^  <UNDEFINED> \*DO  KRN> |
| Result: Passed |