Description:

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Patch DI\*22.2\*10 repairs the following defects:

1. DIWP only supports strings up to 999 characters

2. NUMDATE fix in patch 7 was not added to DINIT

3. The variable DO is not killed after call to DIE

4. New api EN^DITP for repointing deleted records

5. New options for editing Data Types in patch 2 have no parent

6. New API CHKPT^DIUTL(file, ien, message)

Patch Components:

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Files & Fields Associated:

New/Modified/

File Name (#) Field Name (#) Deleted

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N/A

Forms Associated:

Form Name File # New/Modified/Deleted

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N/A

Mail Groups Associated:

Mail Group Name New/Modified/Deleted

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N/A

Options Associated:

Option Name Type New/Modified/Deleted

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DI DATA TYPE OPTIONS Menu Deleted

DI DATA TYPE FILE Run Routine Deleted

DI DATA TYPE METHOD FILE Run Routine Deleted

DI DATA TYPE PROPERTY FILE Run Routine Deleted

Protocols Associated:

Protocol Name New/Modified/Deleted

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N/A

Security Keys Associated:

Security Key Name

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N/A

Templates Associated:

Template Name Type File Name (Number) New/Modified/Deleted

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N/A

Additional Information:

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N/A

New Service Requests (NSRs):

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N/A

Patient Safety Issues (PSIs):

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N/A

Defect Tracking System Ticket(s) & Overview:

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1. Ticket I13413576FY17

Problem:

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Word Processing cannot parse a string greater than 999 and the FM 22.2 allows strings up to 4K characters.

Resolution:

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Modified DIWP and changed 999 to 9999

2. Ticket I15917948FY17

Problem:

--------

Patch DI\*22.2\*7 fixed the NUMDATE function in the FUNCTION file #.5, but DINIT restored the old function.

Resolution:

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Modified DINIT4 and added fix to NUMDATE

3. Ticket I16009474FY17

Problem:

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The variable DO is not killed after a call to DIE if a user asked for help in a multiple Date field.

Resolution:

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Modified DIEQ and added DO to kill statement at line Q

4. Ticket R13102022FY17

Problem:

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Need API to repoint a deleted value in a record, similar to what happens when a pointer field value is deleted.

Resolution:

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Modified DITP and added tag EN(file, list) where file=file number, list= array containing list of entries to be repointed (Passed by Reference).

5. Ticket R14175506FY17

Problem:

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New options that were for adding new data types and released as part of patch DI\*22.2\*2 had no parent menu. These option were not meant for general distribution. The options are: DI DATA TYPE OPTIONS, DI DATA TYPE FILE, DI DATA TYPE METHOD FILE, and DI DATA TYPE PROPERTY FILE.

Resolution:

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All four options will be deleted from the OPTION file and added to the hard coded options in the DII routine. Modified DII1 and DIFMEDT1 routines.

6. No ticket

Problem:

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Developer needs API to check what entries points to a particular record in a file.

Resolution:

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CHKPT^DIUTL(file, ien, message).

;INPUT: DIFILE=file number, DA=ien of record, DIMSG=closed global root or local array  
 ;OUTPUT: DIMSG(0)=line count, DISMG(#)="Entry ien in FILE (file #) refers to record DA"

Blood Bank Clearance:

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EFFECT ON BLOOD BANK FUNCTIONAL REQUIREMENTS: Patch DI\*22.2\*10 contains changes to a package referenced in ProPath standard titled: BBM Team Review of VistA Patches. This patch does not alter or modify any VistA Blood Bank software design safeguards or safety critical elements functions.

RISK ANALYSIS: Changes made by patch DI\*22.2\*10 have no effect on Blood Bank software functionality, therefore RISK is none.

Test Sites:

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Software and Documentation Retrieval Instructions:

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Documentation describing the new api, EN^DITP, can be found in the

FM 22.2 Developer’s Guide

Current documentation is on the VA Software Documentation Library

at: http://www.DOMAIN/vdl/

Title File Name SFTP Mode

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FM 22.2 Developer's Guide fm22\_2dg.PDF Binary

FM 22.2 User Manual fm22\_2um1.PDF Binary

FM 22.2 Advanced User Manual fm22\_2um2.PDF Binary

FM 22.2 Technical Manual fm22\_2tm.PDF Binary

Backout and Rollback Procedure:

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This patch only consists of routines. During the VistA Installation

Procedure of the KIDS build, the installer should back up the modified routines by the use of the 'Backup a Transport Global' action

(step 3b in the Installations Instructions below).

If rollback/backout is required, the installer can restore the routines

using the MailMan message that were saved prior to installing the

patch.

Patch Installation:

Pre-Installation Instructions:

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This patch can be queued for installation. TaskMan does not have to be

stopped, HL7 filers do not need to be stopped, and users may be on the

system. The patch should be installed during non-peak hours to minimize

potential for disruption to users. This patch should take less than 1

minute to install.

Installation Instructions:

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1. Choose the MailMan message containing this patch.

2. Choose the INSTALL/CHECK MESSAGE PackMan option.

3. From the Kernel Installation and Distribution System Menu, select

the Installation Menu. From this menu, you may elect to use the

following options. When prompted for the INSTALL NAME enter DI\*22.2\*10.

a. Print Transport Global - This option lets you print the contents

of a Transport Global that is currently loaded in the ^XTMP

global.

b. Backup a Transport Global - This option will create a backup

message of any routines exported with this patch. It will not

backup any other changes such as functions.

c. Compare Transport Global to Current System - This option will

allow you to view all changes that will be made when this patch

is installed. It compares all components of this patch

(routines, DDs, templates, etc.).

d. Verify Checksums in Transport Global - This option will allow

you to ensure the integrity of the routines that are in the

transport global.

4. From the Installation Menu, select the Install Package(s) option and

When prompted for the INSTALL NAME, enter DI\*22.2\*10.

5. If prompted 'Want KIDS to Rebuild Menu Trees Upon Completion of

Install? NO//' respond NO.

7. When prompted "Want KIDS to INHIBIT LOGONs during the install?

NO//" respond NO.

8. If prompted "Want to DISABLE Scheduled Options, Menu Options,

and Protocols? NO//" respond NO.

9. If prompted "Delay Install (Minutes): (0 - 60): 0//" respond 0.

Post-Installation Instructions:

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none

Routine Information:

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The second line of each of these routines now looks like:

;;22.2;VA FileMan;\*\*[Patch List]\*\*;Jan 05, 2016;Build 1

The checksums below are new checksums, and

can be checked with CHECK1^XTSUMBLD.

Routine Name: DIEQ

Before: B16904404 After: B16948298 \*\*2,7,5,10\*\*

Routine Name: DIFMEDT1

Before: B1665680 After: B3205089 \*\*2,10\*\*

Routine Name: DII1

Before: B2105841 After: B2240976 \*\*8,10\*\*

Routine Name: DINIT4

Before: B12812168 After: B12872917 \*\*10\*\*

Routine Name: DITP

Before: B11755027 After: B18223422 \*\*10\*\*

Routine Name: DIUTL

Before: B7082619 After: B13688793 \*\*10\*\*

Routine Name: DIWP

Before: B14057388 After: B14095198 \*\*10\*\*

Routine list of preceding patches: 5, 8

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User Information:

Entered By : DIMICELI,RON Date Entered : MAR 06, 2017

Completed By: Date Completed:

Released By : Date Released :

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## Table of IOC Evaluation Success Criteria

| ID Number | Defect Summary | Remediation Description |
| --- | --- | --- |
| SDM  I13413576FY17 | Word Processing cannot parse a string greater than 999 characters even though FM 22.2 allows strings up to 4K characters. | A change to DIWP routine corrects this problem and allows strings up to 9999. |
| SDM  I15917948FY17 | Patch DI\*22.2\*7 fixed the NUMDATE function in the FUNCTION file #.5, but DINIT restored the old function. | Changes to DINIT4 routine added fix for NUMDATE from patch 7. |
| SDM  I16009474FY17 | The variable DO is not killed after a call to DIE if a user asked for help in a multiple Date field. | A change to DIEQ corrects this problem so that DO is killed. |
| SDM  R13102022FY17 | Need API to repoint a deleted value in a record, similar to what happens when a pointer field value is deleted. | Change to DITP to add tag EN(file, list). |
| SDM  R14175506FY17 | Patch DI\*22.2\*2 added 4 new DATA TYPE options. These were not meant for general distribution. | The 4 options will be deleted from the OPTION file, #19, and added to the DI programmer menu. |
|  | New API to find files and records that point to a particular record | CHKPT^DIUTL(file, ien, message) |