"LR\*5.2\*458" IN BUILD FILE:DESCRIPTION OF ENHANCEMENTS MAR 16,2016 PAGE 1

Associated Patches:(v)LR\*5.2\*446 <<= must be installed BEFORE `LR\*5.2\*458'

Subject: LABORATORY AUTO VERICATION & AUTO RELEASE

Category: ROUTINE

ENHANCEMENT

DATA DICTIONARY

Description:

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The build for this patch is distributed as part of a multi-package build that

contains LR\*5.2\*458 and LA\*5.2\*88 and contains functionality to enable Auto

Verification and Auto Release of normal lab results. Initially developed at

the Kansas City VAMC, this new process involves automatic review and release of

test results based on lab-established set of boundaries, also referred as

rules, rule sets, and algorithms. Lab results that are in a "normal" range, as

pre-determined by the laboratory, will transmit directly from the middleware to

VistA lab files and on to Computerized Patient Record System (CPRS) without the

intermediate step of requiring a lab technologist to manually review and sign

off on these normal lab results. This process will eliminate the need for a

qualified technologist to manually approve all "normal" results before those

results are filed in VistA Lab files and available for clinicians to view in

CPRS.

Each VAMC site will determine which instruments will use this functionality as

it can set up on an instrument by instrument basis. Essentially VistA Lab

instruments are set up as either being available for auto verification or not

available for auto verification. If an instrument is set up for auto

verification, then a lab result passing the rule set will be filed by the

middleware in VistA lab files and available in CPRS and a lab result that

cannot pass the rule set will be held in the middleware system for review by a

lab technologist.

In support of this auto verification and auto release functionality, this patch

will add two new application proxy users. LRLAB AUTO RELEASE is used to

indicate that the results in VistA Lab were released by an automated Lab

process without human interventions. LRLAB, AUTO VERIFY is used to indicate

that the results were "approved" by an automated process using a rules based

system.

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Patch Components

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Files & Fields Associated:

File Name (Number) Field Name (Number) New/Modified/Deleted

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LOAD/WORK LIST (#68.2) PROFILE (#68.23), AUTO RELEASE (#2.4) New

Parameter Definitions Associated:

Parameter Definition Name New/Modified/Deleted

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LR WORKLIST DATA CLEANUP New

Parameter Template New/Modified/Deleted

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LR PKG Modified

Input Templates Associated:

Input Template New/Modified/Deleted

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LRLLDFT New

Options Associated:

Option Name Type New/Modified/Deleted

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Summary List (Patient) [LRLISTPS] Routine New

New Service Requests (NSRs):

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NSR# 20131009: Employ laboratory autoverification in the Veterans Health

Administration.

Test Sites:

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Kansas City VAMC (Alpha) Tucson (Beta) Tampa (Beta) Iowa City (Beta) Fresno

(Beta)

Software and Documentation Retrieval Information

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VistA Laboratory patch LR\*5.2\*458 software is distributed by Host File, along

with LA\*5.2\*88. Software is available on the ANONYMOUS.SOFTWARE directory at

one of the following Office of Information (OI) Field Offices. The preferred

method is to retrieve the file using Secure File Transfer Protocol (SFTP) from:

download.vista.domain.ext, which transmits files from the first available FTP

server. Sites may also select to retrieve documentation directly from a

specific server as follows:

Albany ftp.ftpserver.domain.ext

Hines ftp.ftpserve.domain.ext

Salt Lake City ftp.ftpsrv.domain.ext

File Name Contents Retrieval Format

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LAB\_AUTORELEASE\_1\_0.KID Host File containing ASCII

KIDS software distribution

Lab UI HL V1.6 Upgrade Installation Updated Binary And User Guide

Patch LA\*5.2\*66

Lab UI HL V1.6 Upgrade Interface Updated Binary Specifications

Document Patch LA\*5.2\*66

LR\_52\_458\_LA\_52\_88 Release Notes Patch Release Notes Binary

The VistA Documentation Library (VDL) web site will also contain the updated

'Lab UI HL V1.6 Upgrade Installation and User Guide Patch LA\*5.2\*66', 'Lab UI

HL V1.6 Upgrade Interface Specifications Document Patch LA\*5.2\*66' and

LR\_52\_458\_LA\_52\_88 Release Notes. This web site is usually updated within 1-3

days of the patch release date. The VDL web address for Laboratory Universal

Interface user documentation is:

http://www.domain/vdl/application.asp?appid=120

Installation Instructions

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This patch, LR\*5.2\*458, is part of a combined build for Autoverification

Enhancement patch. This patch may be loaded with users on the system. You may

want to install it during non-peak hours. Installation will take less than 10

minutes.

Refer to the LR\_52\_458\_LA\_52\_88 Release Notes referenced above for complete

instructions on install and post installation configuration.

1. DOWNLOAD HOST KIDS FILE

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Download the KIDS file LAB\_AUTORELEASE\_1\_0.KID from the

ANONYMOUS.SOFTWARE directory of Albany, Hines, or the Salt Lake

OIFO to the appropriate directory on your system.

2. LOAD DISTRIBUTION

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Use the 'LOAD A DISTRIBUTION' option on the KIDS

INSTALLATION menu, and enter: the directory onto which you

have downloaded the host file, followed by

LAB\_AUTORELEASE\_1\_0.KID, the host file name.

3. START UP KIDS

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Start up the Kernel Installation and Distribution System Menu [XPD

MAIN]:

Edits and Distribution ...

Utilities ...

Installation ...

Select Kernel Installation & Distribution System Option:

INStallation

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Load a Distribution

Print Transport Global

Compare Transport Global to Current System

Verify Checksums in Transport Global

Install Package(s)

Restart Install of Package(s)

Unload a Distribution

Backup a Transport Global 4. Select Installation Option:

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a. Use the Load a Distribution and select Host File:

LAB\_AUTORELEASE\_1\_0.KID

NOTE: The following are OPTIONAL - (When prompted for the INSTALL

NAME, enter LA\*5.2\*88):

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 DD's or templates.

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 m (routines,

DD's, 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.

e. Print Transport Global

5. Select Installation Option: Install Package(s) \*\*This is the step

to start the installation of this KIDS patch:

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\*\*This is the step to start the installation of this KIDS patch:

a. Choose the Install Package(s) option to start the patch install.

b. When prompted 'Want KIDS to INHIBIT LOGONs during the install?

YES//' answer NO

c. When prompted 'Want to DISABLE Scheduled Options, Menu Options,

and Protocols? YES//' answer NO.

Routine Information:

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The second line of each of these routines now looks like: ;;5.2;AUTOMATED LAB

INSTRUMENTS;\*\*[Patch List]\*\*;Sep 27, 1994;Build 6

The checksums below are new checksums, and can be checked with CHECK1^XTSUMBLD.

Routine Name: LR458

Before: n/a After: B3643881 \*\*458\*\* DELETED AFTER INSTALL Routine

Name: LRGP2

Before: B20236690 After: B21346835 \*\*153,221,263,290,350,446,458\*\*

Routine Name: LRLISTPS

Before: n/a After: B17691343 \*\*458\*\* Routine Name: LRNIGHT

Before: B6404812 After: B7575682 \*\*291,350,458\*\* Routine Name:

LRVER5

Before: B147369024 After: B153025645 \*\*42,153,283,286,350,458\*\* Routine

Name: LRVR3

Before: B71492279 After: B91573916 \*\*42,121,153,286,291,350,458\*\*

Routine Name: LRVRAR

Before: n/a After: B67819881 \*\*458\*\* Routine Name: LRVRARU

Before: n/a After: B32021539 \*\*458\*\*

Routine list of preceding patches: 446