



Patch 108
Import API Enhancements
Patch Description

VistA Imaging
MAG*3.0*108
Jul 2010

Department of Veterans Affairs
Office of Enterprise Development
Health Provider Systems

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Jul 2010

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VistA Imaging Office of Enterprise Development
Department of Veterans Affairs

Internet: <http://www.va.gov/imaging>

VA intranet: <http://vaww.va.gov/imaging>

Revision History

Date	Rev	Notes
4/20/2010	.1	Initial Version
5/21/2010	.2	Updated checksums and sample installation for Patch 108 T4; Null, Kaji
7/1/2010	.3	Added test sites.

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Patch 108 Overview

The Import API (Application Programming Interface) Active X control was built in VistA Imaging patches 15 and 38 and is used to allow non-imaging VA and commercial applications to import images into the VistA database and connect them to the patient record.

The Import API is used by the VA Veteran's ID Card (VIC) and Clinical Procedures applications, as well as commercial applications such as iMed consent and DocManager. The VIC software is used to acquire photographic images of patients. These images are sent to the National Card Management Directory (NCMD). A copy of these photo images are also automatically sent to VistA Imaging through the VistA Imaging Import API.

The VIC Program Office has requested enhancements to the VistA Imaging API to make sure that VistA Imaging has the most recent copy of the patient photo on file. If no photo exists in VistA Imaging the VIC will send the latest photo on file for the patient. The VIC application will be responsible for submitting new import requests for these patients through the VistA Imaging API.

Additionally Patch 108 modifies the Active X control to offer new capabilities to applications using the Import API.

Patch 108 adds the following functions to the existing Import API:

- Ability to check VistA Imaging and verify if a patient has a photo ID on file in VistA Imaging.
- Ability to retrieve a current list of indexing terms.
- Ability to send index terms in the Import API when importing images.
- Ability to create a new TIU Note.

NOTE All sites running VistA Imaging 3.0 must install the KIDS portion of this patch.

NOTE The Active X control is distributed to the application developers who build and maintain the applications that use the Import API.

Distribution of Software

This patch can be downloaded from:

ftp.imaging.med.va.gov/Software/Released_Software/Mag3_OP108

NOTE There is no client application being distributed with this patch.

NOTE Any late-breaking news about this patch will be found in a readme file. If present, this file will also be located in the MAG3_OP108 directory.

Patch Contents

This patch includes the following files:

- MAG3_0P108.KID
KIDS (Kernel Installation & Distribution System) package to be installed on the VistA System.
- MAG3_0P108_PatchDescription.pdf
Which is this document.
- MAG3_0P108_Imaging_Systems_Technical_Manual_changes.pdf
Contains changes made to the Imaging Systems Technical Manual to match functionality changes implemented in this patch.
- VistA_Imaging_System_Import_API_Programmer_Guide.pdf
Programmer's guide for using VistA Imaging's Import API.

Associated Patches

Before Patch 108 is installed, the following patches must be installed:

MAG*3.0*93
MAG*3.0*59

For a list of all released Imaging (MAG) patches, refer to the patch_list.txt file available on the Imaging FTP server (go to <ftp://ftp.imaging.med.va.gov>, and then navigate to the \Docs\Imaging_Docs_Latest folder). If the FTP link does not connect you to the site then cut and paste the link in to your web browser or Explorer window.

Test Sites

The following sites are test sites for this patch:

Baltimore, MD (Integrated)
El Paso, TX (Medium)
Washington, DC (Large)
West Palm Beach, FL (Large)
Wilmington, DE (Medium)

Remedy Calls

There are no Remedy calls addressed in this patch.

NSR Entries

There are no NSRs addressed in this patch.

Patch 108 Changes

Patch 108 contains changes to the Import API.

VistA Imaging Import API Changes

- Patient Photo ID

An API user can use the Import API to send a query to see if a patient has a photo ID on file in VistA Imaging.

- The API will return a (0) if a photo does not exist.
- The API will return a Procedure Date/Time Timestamp of the most recent photo.

- Index Terms

Provide Index Term capabilities

- Provide a list of index terms for Types, Specialty/Sub Specialty, Procedures, and Origin.
- Provide the ability to send index terms in the Import API while importing images to VistA Imaging.

- Creating a New TIU Note

Users of the Import API can create new TIU notes and link images to the notes. TIU notes can be unsigned or electronically filed through the Import API.

- Origin Index

The default value of the origin index is set to VA.

VistA System KIDS Summary

Patch 108 includes a KIDS package to be installed on the VistA System.

Routines

New and modified Imaging routines for the VistA System are listed below. For each routine, the second line will contain the following information. Please note that the Checksum Before may differ if test software has been installed.

Checksums are calculated using the Kernel utility program CHECK1^XTSUMBLD.

<tab>;;3.0; IMAGING;**108**; Mar 19, 2002; Build 1738; May 20, 2010

Checksum details:

Routine	Before	After	Patch List
MAGGNTI	37753394	68648040	10,8,59,93,108
MAGGSIU1	13472953	13865691	7,8,108
MAGGSIU2	19991293	45076678	7,8,85,59,108
MAGGSIUI	44173317	54395865	7,8,48,20,85,59,108
MAGGSIV	39311019	56346793	7,8,20,59,108
MAGIP108	NEW	17758911	108
MAGNVIC	NEW	5635645	108
MAGSIXGT	67629374	73290631	8,48,61,59,108

MAGIP108 is a post install routine and is deleted after the KIDS install. The MAGIP108 is a routine that performs the following functions after a successful installation:

- Links new remote procedures to the Broker context options
- Restarts the Imaging Utilization Report task
- Sends the notification e-mail that the patch has been installed

Data Dictionaries

There are no new or modified data dictionaries included in this patch.

Security Keys

There is no new or modified security keys included in this patch.

Remote Procedures

The following new remote procedures are included in this patch:

MAG4 INDEX GET EVENT
MAG4 INDEX GET ORIGIN
MAG4 INDEX GET SPECIALTY
MAG4 INDEX GET TYPE
MAGN PATIENT HAS PHOTO

Menu Options

There are no new or modified menu options included in this patch.

Templates

There are no new or modified templates included in this patch.

Client Software Changes

There are no client software changes in this patch.

Installation

This patch is to be installed on the VistA System. There are no client routines or executables in this patch. Patch 108 is a KIDS package installation only. This patch may be loaded while users are on the system. Installation will take approximately one minute.

Installation Prerequisites

Before installing this patch, you will need to download the Patch 108 files from the Imaging FTP site to a local storage location.

Verify that the patches listed in the Associated Patches section on page [6](#) have been installed.

VistA System (KIDS) Installation

Installing the KIDS Package:

- 1 Access the Kernel Installation and Distribution System Menu [XPD MAIN].
- 2 Run the Installation option [XPD INSTALLATION MENU].
- 3 Load the KIDS file by performing the following steps.
 - a Run the Load a Distribution option [XPD LOAD DISTRIBUTION] to load the KIDS distribution.
 - b When prompted, enter the path and file name (MAG3_0P108.KID) of the Patch 108 KIDS file that you downloaded from the Imaging FTP server.
 - c When prompted to continue with the load, enter YES. A Distribution OK! message will be displayed when the load is complete.
- 4 After loading the KIDS file, use the following options to verify the contents of the patch and to back up any affected routines.

Verify Checksums in Transport Global [XPD PRINT CHECKSUM] – run this option if you want to ensure the integrity of the routines in the patch.

Compare Transport Global to Current System [XPD COMPARE TO SYSTEM] – run this option if you want to view all changes that will be made when the patch is installed. All components (routines, options, and so on) in the patch will be compared.

Backup a Transport Global [XPD BACKUP] – run this option if you want to create a backup message of any routines exported with the patch. It will NOT back up any of the other changes.

- 5 After performing the load and any optional verification steps, install the KIDS file by performing the following steps:
 - a Run the Install Package(s) [XPD INSTALL BUILD] option.
 - b When prompted for the install name, enter MAG*3.0*108.
 - c Answer NO to the following prompts:

```
Want KIDS to INHIBIT LOGONS during the install? No//NO
Want to DISABLE Scheduled Options, Menu Options, and Protocols? No//NO
```

- 6 When installation is finished, an Installed message will be displayed.

```
Select INSTALL NAME: MAG*3.0*108      Loaded From Distribution 5/21/10@07:37:55
⇒  VISTa Imaging V3.0 -Patch 108      05/20/2010 14:22PM; Created o
This Distribution was loaded on May 21, 2010@07:37:55 with header of
y  VistA Imaging V3.0 - Patch 108 -05/20/2010 12:24PM ;Created on May 20,
2010@15:22:13
  It consisted of the following Install(s):
    MAG*3.0*108
Checking Install for Package MAG*3.0*108
Install Questions for MAG*3.0*108

Want KIDS to INHIBIT LOGONS during the install? NO//
Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//

Enter the Device you want to print the Install messages.
You can queue the install by enter a 'Q' at the device prompt.
Enter a '^' to abort the install.

DEVICE: HOME//  HERE

Install Started for MAG*3.0*108 :
          May 21, 2010@07:38:41
Build Distribution Date: May 20, 2010

  Installing Routines:.....
          May 21, 2010@07:38:41

Running Pre-Install Routine: PRE^MAGIP108.

Installing PACKAGE COMPONENTS:

Installing REMOTE PROCEDURE.....
          May 21, 2010@07:38:41

Running Post-Install Routine: POS^MAGIP108.
Updating Routine file.....

Updating KIDS files.....

MAG*3.0*108 Installed.
          May 21, 2010@07:38:41
```