

**National Patch Module**

**MAG\*3.0\*182**

## **Two-Factor Authentication for TeleReader and TeleReader Configurator**

### **Patch Description**



## **Department of Veterans Affairs**

Sustainment of VistA Imaging (SVI)

June 2017

**Version 1.9**

## Revision History

Date	Version	Description	Author
2/17/17	1.0	Initial draft	Stacey Marner
2/28/17	1.1	Edits	Stacey Marner
3/1/17	1.2	Edits	Garrett Kirin
3/6/17	1.3	Edits, added supported version section	Garrett Kirin, Stacey Marner
3/8/17	1.4	Edits and checklist	Stacey Marner
3/15/17	1.5	Adding Garrett's comments and RC comments	Stacey Marner, Garrett Kirin, Christine Haas
3/16/17	1.6	Additional Clin 3 edits added.	Christine Haas, Jeannie Jernigan, Stacey Marner
5/26/17	1.7	Update to checksums	Stacey Marner
6/2/17	1.8	Update document date to June	Stacey Marner
6/19/17	1.9	Update to document per RC.	Stacey Marner, Christine Haas

## Two-Factor Authentication for TeleReader and TeleReader Configurator

Run Date: MAR 08, 2017

Designation: MAG\*3\*182

Package: Imaging

Priority: MANDATORY

Version: 3

Associated Patches: This patch must be installed after MAG\*3.0\*127 and MAG\*3.0\*110.

Subject: TWO-FACTOR AUTHENTICATION FOR TELEREADER AND TELEREADER CONFIGURATOR

Category: OTHER

### **Description:**

MAG\*3.0\*182 provides two-factor authentication (2FA) for the TeleReader and TeleReader Configurator applications. When the user starts either application, they will be prompted for their Personal Identity Verification (PIV)/Personal Identification Number (PIN) to log into Veterans Health Information Systems and Technology Architecture (VistA). In order to implement 2FA for these applications, the development environment was upgraded to Delphi XE8. There are no other changes to functionality of either application.

### **Patch Components:**

This patch includes software and documentation files. This document, MAG3\_0P182\_Patch\_Description.pdf, provides an overview, explains the changes, and outlines the installation for this patch. MAG3\_0P182\_README.txt, if present, is an informative file associated with the patch.

### **Software:**

File Name	Description
MAG3_0P182.KID	Kernel Installation and Distribution System (KIDS) build for Patch 182
MAG3_0P182_TeleReader_Setup.exe	Installation file for the TeleReader.
MAG3_0P182_TeleReader_Install.msi	Installation file for the TeleReader.
MAG3_0P182_TeleReaderConfigurator_Setup.exe	Installation file for the TeleReader Configurator

File Name	Description
MAG3_0P182_TeleReaderConfigurator_Install.msi	Installation file for the TeleReader Configurator

### **Documentation:**

This document, MAG3\_0P182\_Patch\_Description.pdf, provides an overview, explains the changes, and outlines the installation for this patch.

### **Files & Fields Associated:**

There are no files or fields associated with this patch.

### **Forms Associated:**

There are no forms associated with this patch.

### **Mail Groups Associated:**

There are no mail groups associated with this patch.

### **Options Associated:**

There are no options associated with this patch.

### **Protocols Associated:**

There are no protocols associated with this patch.

### **Security Keys Associated:**

There are no security keys associated with this patch.

### **Templates Associated:**

There are no templates associated with this patch.

### **Additional Information:**

#### **New Service Requests (NSRs):**

There are no new service requests addressed in this patch.

**Patient Safety Issues (PSIs):**

There are no patient safety issues associated with this patch.

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## **Defect Tracking System Ticket(s) & Overview:**

### **1. Update TeleReader with 2FA**

**Problem:** Per the U.S. Department of Veterans Affairs (VA) mandate to meet PIV requirements (VAIQ #7712300), all existing systems must be upgraded to use PIV credentials for authentication.

**Resolution:** The Remote Procedure Call (RPC) Broker establishes a common and consistent connection for VistA client/server applications. The kernel development team has updated the RPC Broker to accept a PIV for authentication in XWB\*1.1\*64 and RPC Broker Development Tool Kit XWB\*1.1\*65. The RPC Broker client component uses the Identity and Access Management (IAM) SSOi Secure Token Service (STS) for Authentication. The client authenticates to IAM with PIV/PIN and obtains a Security Assertion Markup Language (SAML) token; this token is associated with a VistA access/verify code and is used to authenticate to VistA.

## **Test Sites:**

The following site is a test site for this patch:

- VA Salt Lake City Health Care System

*\*A test waiver has been approved to allow for testing to proceed with one site.*

## **Software and Documentation Retrieval Instructions:**

Software being released and/or documentation describing the new functionality introduced by this patch are available.

The preferred method is to retrieve files from [anonymous@download.vista.med.va.gov](https://anonymous@download.vista.med.va.gov) from the COMMAND prompt (example: sftp [anonymous@download.vista.med.va.gov](https://anonymous@download.vista.med.va.gov)). This transmits the files from the first available server.

Sites may also elect to retrieve software and/or documentation files directly from a specific server or by using Secure File Transfer Protocol (SFTP) from the ANONYMOUS.SOFTWARE directory at the following OI Field Offices:

When using Attachmate Reflection (Secure Shell):

Albany:	fo-albany.med.va.gov
Hines:	fo-hines.med.va.gov
Salt Lake City:	fo-slc.med.va.gov

When using the COMMAND prompt (example: sftp [anonymous@fo-albany.med.va.gov](https://anonymous@fo-albany.med.va.gov)):

Albany: [anonymous@fo-albany.med.va.gov](https://anonymous@fo-albany.med.va.gov)

Hines: [anonymous@fo-hines.med.va.gov](mailto:anonymous@fo-hines.med.va.gov)  
Salt Lake City: [anonymous@fo-slc.med.va.gov](mailto:anonymous@fo-slc.med.va.gov)

Documentation can also be found on the VA Software Documentation Library at:  
<http://www4.va.gov/vdl/>.

## Patch Installation:

### **Supported Client Versions**

When MAG\*3.0\*182 is released, the list of supported versions of TeleReader and TeleReader Configurator will change:

#### TeleReader

Supported Versions	No Longer Supported
3.0.182	3.0.122
3.0.127	3.0.117
	3.0.106
	3.0.94

#### TeleReader Configurator

Supported Versions	No Longer Supported
3.0.182	3.0.114
3.0.110	3.0.46
3.0.127	

### **Pre/Post Installation Overview:**

The TeleReaderConfiguratorSetup.exe portion of this patch is to be installed only on the administrator's workstation. The TeleReaderSetup.exe portion is to be installed on the clinical workstations.

All sites running VistA Imaging 3.0 must install the KIDS portion of this patch. This patch can be loaded while the VistA Imaging System is active and users are on the system. Installing the MAG\*3.0\*182 KIDS only takes 2-3 minutes.

MAG\*3.0\*182 must be installed on the VistA System. This patch must be installed by the compliance date.

### **Pre-Installation Instructions:**

Before installing this patch, you will need to download the MAG\*3.0\*182 files from the VistA Imaging SFTP site to a local storage location.

Verify that the patches listed in the Associated Patches section of this document have been previously installed.

**Note:** All released VistA Imaging patches must be installed on the VistA system before installing MAG\*3.0\*182.

## **VistA System (KIDS) Installation Instructions**

### **Installation Steps**

KIDS installation will take two to three minutes.

- 1** On the VistA system, 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\_0P182.KID) of the MAG\*3.0\*182 KIDS file.
  - 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.
  - a. Verify Checksums in Transport Global [XPD PRINT CHECKSUM] – Run this option if you want to ensure the integrity of the routines in the patch.
  - b. 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.
  - c. 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\*182”.
  - c. Answer “NO” to the following prompts, if they appear:

```
Want KIDS to Rebuild Menu Trees Upon Completion of Install? NO//  
Want KIDS to INHIBIT LOGONs during the install? NO//  
Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//
```

- 6** When installation is finished, an Install Complete message will be displayed.

## KIDS Installation Example

This example shows the output when the KIDS file is installed for the first time. If you have already installed the patch and are installing the KIDS file in a namespace on which it has previously been installed, your output may be different.

```
Select Installation <TEST ACCOUNT> Option: INstall Package(s)
Select INSTALL NAME:  MAG*3.0*182  3/1/17@17:07:59
    => VistA Imaging V3 - Patch 182 - 2 Factor Authentication ;Created on

This Distribution was loaded on Mar 01, 2017@17:07:59 with header of
    VistA Imaging V3 - Patch 182 - 2 Factor Authentication ;Created on Feb 24
, 2017@17:57:34
It consisted of the following Install(s):
    MAG*3.0*182
Checking Install for Package MAG*3.0*182

Install Questions for MAG*3.0*182

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

Running Pre-Install Routine: PRE^MAGIP182

Running Post-Install Routine: POS^MAGIP182

Post Install Mail Message: Mar 01, 2017@17:08:13

Updating Routine file...

Updating KIDS files...

MAG*3.0*182 Installed.
    Mar 01, 2017@17:08:13

Not a production UCI

NO Install Message sent

100%
Complete

Install Completed
```

# Installation of TeleReader and TeleReader Configurator Applications

For instructions on how to install the TeleReader and TeleReader Configurator applications please refer to the *VistA Imaging Installation Guide*.

## **Uninstalling the TeleReader Application MAG\*3.0\*182**

If it is necessary to uninstall the MAG\*3.0\*182 TeleReader application, uninstall “VistA Imaging Telereader” from the Windows control panel.

Reinstall the TeleReader application from MAG\*3.0\*127 (to return to the Patch 127 TeleReader application).

## **Uninstalling the TeleReader Configurator Application MAG\*3.0\*182**

If it is necessary to uninstall the MAG\*3.0\*182 TeleReader Configurator application, uninstall “VistA Imaging Telereader Configurator” from the Windows control panel.

Reinstall the TeleReader Configurator application from MAG\*3.0\*110 (to return to the Patch 110 TeleReader Configurator application).

## **Routine Information:**

### **VistA KIDS Checksums:**

This section lists modified routines for the VistA KIDS build. For each routine, the second line will contain the following information:

::3.0;IMAGING;\*\*[Patch List]\*\*; Mar 19, 2002;Build 1;Feb 15, 2017

CHECK1^XTSUMBLD is used to generate the checksums.

<b>Routine</b>	<b>Checksum Before</b>	<b>Checksum After</b>	<b>Patch List</b>
MAGGTU4T	5296933	4714251	**93, 94, 106, 117, 122, 127, 182**
MAGIP182	NA	4214994	**182**

Routine MAGIP182 is an installation routine that is automatically deleted after the KIDS installation.