

VistA Imaging Exchange (VIX) STS Token Support

MAG*3.0*329

Deployment, Installation, Back-Out, and Rollback Guide



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Revision History

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08/17/2022	6.0	Initial Draft for MAG*3.0*303.	VA IT VistA Imaging Technical team
06/08/2022	5.4	Updates for MAG*3.0*269 installation section.	VA IT VistA Imaging Technical team
06/07/2022	5.3	Updates for MAG*3.0*269 release date.	VA IT VistA Imaging Technical team
02/18/2022	5.2	Updates for MAG*3.0*269 name.	VA IT VistA Imaging Technical team
11/22/2021	5.1	Added MAG*3.0*185 as a patch dependency.	VA IT VistA Imaging Technical team
10/06/2021	5.0	Initial Draft for MAG*3.0*269.	VA IT VistA Imaging Technical team
08/31/2021	4.0	Updates for Patch MAG*3.0*284 (1.0).	REDACTED
04/06/2021	3.0	Updates for Patch MAG*3.0*254.	VA IT VistA Imaging Technical team
05/20/2020	2.0	Technical Review.	VA IT VistA Imaging Technical team
03/10/2020	1.0	Initial Version.	VA IT VistA Imaging Technical team

Artifact Rationale

This document describes the Deployment, Installation, Back-out, and Rollback Plan for new products going into the VA Enterprise. The plan includes information about system support, issue tracking, escalation processes, and roles and responsibilities involved in all those activities. Its purpose is to provide clients, stakeholders, and support personnel with a smooth transition to the new product or software, and should be structured appropriately, to reflect particulars of these procedures at a single or at multiple locations.

Per the Veteran-focused Integrated Process (VIP) Guide, the Deployment, Installation, Back-out, and Rollback Plan is required to be completed prior to Critical Decision Point #2 (CD #2), with the expectation that it will be updated throughout the lifecycle of the project for each build, as needed.

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1 Introduction

This document describes how to deploy and install the VistA Imaging Exchange (VIX) MAG*3.0*329, and how to back-out the product and rollback to a previous version or data set. This document is a companion to the project charter and management plan for this effort. In cases where a non-developed commercial-off-the-shelf (COTS) product is being installed, the vendor-provided User and Installation Guide may be used. However, the Back-Out Recovery strategy still needs to be included in this document. This patch adds VIX Viewer improvements, installation enchantments, and also includes enhanced encryption support.

1.1 Purpose

The purpose of this plan is to provide a single, common document that describes how, when, where, and to whom the VistA Imaging Exchange (VIX) MAG*3.0*329 will be deployed and installed, as well as how it is to be backed out and rolled back, if necessary. The plan also identifies resources, communications plan, and rollout schedule. Additional instructions for installation, back-out, and rollback can be found in the [MAG3_0P329_VIX_INSTALLATION_GUIDE.PDF](#).

1.2 Dependencies

This patch must be installed after MAG*3.0*303.

1.3 Constraints

MAG*3.0*329 utilizes existing nationally released security controls to control access.

2 Roles and Responsibilities

Multiple entities oversee decision-making for deployment, installation, back-out, and rollback of MAG*3.0*329. The Account Coordinators can approve deployment and installation from an OI&T perspective. If an issue with the software arises, the facility Chief Information Officer (CIO) and other site leadership will meet along with input from the Clinical Services Diagnostics Sub-Product Line team, and regional leadership to initiate a back-out and rollback decision for the software. Table 1 provides MAG*3.0*329 information.

Table 1: Deployment, Installation, Back-out, and Rollback Roles and Responsibilities

ID	Team	Phase/Role	Tasks	Project Phase (See Schedule)
1	Site personnel in conjunction with information technology (IT) support – which may be local or regional.	Deployment	Plan and schedule deployment (including orchestration with vendors.)	N/A
2	Site personnel in conjunction with IT support – which may be local or regional.	Deployment	Determine and document the roles and responsibilities of those involved in the deployment.	N/A
3	Site personnel.	Deployment	Test for operational readiness.	N/A
4	Site personnel in conjunction with IT support – which may be local or regional. The IT support must include a person(s) to install the patch and the personnel to deploy the graphical user interface (GUI).	Deployment	Execute deployment.	N/A
5	Site personnel in conjunction with IT support – which may be local or regional. The IT support must include a person(s) to install the patch and the personnel to deploy the GUI.	Installation	Plan and schedule installation.	N/A
6	N/A – will work under the VistA authority to operate (ATO) and security protocols.	Installation	Ensure ATO and certificate authority security documentation is in place.	N/A
7	N/A – no equipment is being added.	Installation	Validate through facility point of contact (POC) to ensure that IT equipment has been accepted using asset inventory processes.	N/A
8	Site personnel in conjunction with IT support – which may be local or regional.	Installation	N/A An external system is not using VIX MAG*3.0*303 functionality at this time.	N/A

ID	Team	Phase/Role	Tasks	Project Phase (See Schedule)
9	Facility CIO and IT support – which may be local or regional.	Back-out	Confirm availability of back-out instructions and back-out strategy (what the criteria are that trigger a back-out.)	N/A
10	Hardware and System support – no changes. Software support will be the Clinical Services Diagnostics Sub-Product Line team and VistA Imaging Development team.	Post-Deployment	Hardware, Software, and System Support.	N/A

3 Deployment

Once approval has been given to nationally release MAG*3.0*329, the patch will be released from the National Patch Module. At this point, the patch will be available for installation and deployment at all sites from OI Field Offices using a web browser to download from the following URL: REDACTED.

This section provides the schedule and milestones for the deployment. Scheduling of test/mirror installs, testing, and deployment to production will be at the site’s discretion. It is anticipated that there will be a 30-day compliance period.

3.1 Timeline

There is no timeline specifically for deployment. This is considered a maintenance release and installation will be at the site’s discretion, within the constraints of the compliance period for the release.

3.2 Site Readiness Assessment

This section discusses the locations that will receive the MAG*3.0*329 deployment.

3.2.1 Deployment Topology (Targeted Architecture)

MAG*3.0*329 will be deployed to local sites on the VIX servers.

3.2.2 Site Information (Locations, Deployment Recipients)

The first deployment will be to initial operating capability (IOC) sites for verification of functionality. Once that testing is completed and approval is given for national release, MAG*3.0*329 will be deployed to:

- REDACTED
- REDACTED
- REDACTED
- REDACTED

3.2.3 Site Preparation

Please refer to [MAG3_0P329_VIX_INSTALLATION_GUIDE.PDF](#) sections “Preparing for a New VIX Installation” or “Preparing for a VIX Update” for site preparation.

3.3 Resources

N/A

3.3.1 Facility Specifics

N/A

3.3.2 Hardware

N/A

3.3.3 Software

N/A

3.3.4 Communications

MAG*3.0*329 will be deployed using the standard method of patch release from the National Patch Module. When patch MAG*3.0*329 is released, the National Patch Module will send a notification to all the personnel who have subscribed to those notifications.

3.3.4.1 Deployment/Installation/Back-Out Checklist

The deployment and installation will be performed by site support personnel once it is nationally released.

4 Installation

4.1 Pre-installation and System Requirements

All previously released VistA Imaging patches must be installed on the VistA system before installing MAG*3.0*329.

4.2 Platform Installation and Preparation

MAG*3.0*329 must be installed on the on-site VIX servers. This patch must be installed on site VIX servers by the compliance date.

This patch may be installed during non-peak hours to minimize potential disruption to users. Refer to [MAG3_0P329_VIX_INSTALLATION_GUIDE.PDF](#) for additional installation preparation steps.

4.3 Download and Extract Files

Sites may retrieve the software and documentation directly using a web browser to download from the following URL: REDACTED (Table 2).

Documentation can be found on the VA Software Documentation Library at: <https://www.va.gov/vdl/application.asp?appid=105>

Table 2: Files to be Downloaded

File Name	Description
MAG3_0P329_VIX_SETUP.MSI	MAG*3.0*329 VIX Setup
MAG3_0P329_PATCH_DESCRIPTION.PDF	MAG*3.0*329 Patch Description
MAG3_0P329_VIX_INSTALLATION_GUIDE.PDF	MAG*3.0*329 VIX Installation Guide
MAG3_0P329_DIBORG.PDF	MAG*3.0*329 Deployment, Installation, Back-Out, and Rollback Guide
MAG3_0P329_VIX_ADMIN_GUIDE.PDF	MAG*3.0*329 VIX Administration Guide
MAG3_0P329_CERTIFICATE.ZIP	MAG*3.0*329 VIX Certificate

NOTE: Only the VIX client for MAG*3.0*329 should be installed at medical centers. As a result, the Central VistA Imaging Exchange (CVIX) Installation Guide (MAG3_0P329_CVIX_INSTALLATION_GUIDE.PDF) and CVIX installation file (MAG3_0P329_CVIX_SETUP.MSI) are not provided to sites on the network file shares.

4.4 Database Creation

N/A

4.5 Installation Scripts

N/A

4.6 Cron Scripts

N/A

4.7 Access Requirements and Skills Needed for the Installation

Installation of VistA Imaging MAG*3.0*329 requires the following to install:

- VIX installs – Administrator access to the VIX servers.

4.8 Installation Procedure

For installing or updating the VIX, refer to [MAG3_0P329_VIX_INSTALLATION_GUIDE.PDF](#).

4.9 Installation Verification Procedure

For installation validation, refer to [MAG3_0P329_VIX_INSTALLATION_GUIDE.PDF](#).

4.10 System Configuration

N/A

4.11 Database Tuning

N/A

5 Back-Out Procedure

5.1 Back-Out Strategy

The only reason to consider a back-out for MAG*3.0*329 is in the event of a catastrophic failure. Some VIX Clients are dependent on VistA changes and each other. In the case of a backout of the VIX Client, the VistA Patch might also need to rollback.

Submit a Service Now ticket (**REDACTED**) to request back-out assistance. Contact the Health, Clinical Services Diagnostics Team (previously known as Clin 3, the group name is SPM.Health.ClinSvs.Diag) team to notify them there has been a catastrophic failure with MAG*3.0*329.

5.2 Back-Out Considerations

5.2.1 Load Testing

N/A

5.2.2 User Acceptance Testing

User acceptance testing (UAT) was conducted by the test sites listed in section 3.2. The sites followed the provided test plan/concurrence form and executed the test cases according to the plan for the first build of MAG*3.0*329. The sites either passed or failed all items based on testing. The tests were performed by IT analysts at each site who are familiar with using the application. Any items that failed were then re-developed, sent back to the sites, and tested for the next build following the same process. No subsequent builds were created as the test cases passed and sites signed off on concurrence for release.

5.3 Back-Out Criteria

Back-out would only be considered if there was a catastrophic failure that causes loss of function for the application and a significant patient impact issue.

5.4 Back-Out Risks

Backing out MAG*3.0*329 would result in the reinstatement of the issues addressed and enhancements added in MAG*3.0*329. In addition, there is a risk that the process, which would be performed only in an emergency, would significantly impact patient care due to the interruption.

5.5 Authority for Back-Out

The facility CIO has the final authority to require the rollback and accept the associated risks.

5.6 Back-Out Procedure

5.6.1 MAG*3.0*329 Client Uninstall

For uninstalling the VIX and instructions on reinstalling the previous patch, please see [MAG3_0P329_VIX_INSTALLATION_GUIDE.PDF](#).

5.7 Back-out Verification Procedure

Refer to [MAG3_0P329_VIX_INSTALLATION_GUIDE.PDF](#) for verification of the successful VIX client backout procedure.

6 Rollback Procedure

6.1 Rollback Considerations

N/A

6.2 Rollback Criteria

N/A

6.3 Rollback Risks

N/A

6.4 Authority for Rollback

N/A

6.5 Rollback Procedure

If it is necessary to uninstall the MAG*3.0*329 VIX, go to the Control Panel, choose Add/Remove Programs, and remove the MAG*3.0*329 VIX Service Installation Wizard. To backout the VIX and replace it with the prior version which was included in MAG*3.0*303, please see the [MAG3_0P329_VIX_INSTALLATION_GUIDE.PDF](#) for more detail.

6.6 Rollback Verification Procedure

To verify the rollback to MAG*3.0*303, please see the [MAG3_0P329_VIX_INSTALLATION_GUIDE.PDF](#) for more detail.

7 Definitions, Acronyms, and Abbreviations

Table 3: Definitions, Acronyms, and Abbreviations

Term	Definition
ATO	Authority To Operate
CIO	Chief Information Officer
COTS	Commercial-Off-The-Shelf
CVIX	Centralized VistA Imaging Exchange
GUI	Graphic User Interface
HPS	Health Product Support
IOC	Initial Operating Capability
IT	Information Technology
POC	Point of Contact
UAT	User Acceptance Testing
VIP	Veteran-Focused Integration Process
VIX	VistA Imaging Exchange