

Mental Health YS*5.01*223

Deployment, Installation, Back-Out, and Rollback Guide



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Revision History

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1 Introduction

This document describes how to deploy and install the patch YS*5.01*223 of the Mental Health package, as well as 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.

1.1 Purpose

The purpose of this plan is to provide a single, common document that describes how, when, where, and to whom Mental Health patch YS*5.01*223 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. Specific instructions for installation, back-out, and rollback are included in this document.

1.2 Dependencies

It is assumed that this patch is being installed into a fully patched Veterans Health Information System and Technology Architecture (VistA) system. Patch YS*5.01*233 must be installed prior to this patch.

1.3 Constraints

For all other VistA sites, there are no constraints beyond the installation into an up-to-date VistA system.

2 Roles and Responsibilities

The following describes the roles and responsibilities associated with the testing and release of YS*5.01*223. This application requires both a VistA installation and an update to the web application. The Azure application manager will install the web application part of the patch. The VistA patch will be deployed via the normal PackMan route.

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

Team	Phase / Role	Tasks	Project Phase (See Schedule)
Project Manager	Deployment	Determine and document the roles and responsibilities of those involved in the deployment	Design
Software Quality Assurance (SQA), Test Sites	Deployment	Test for operational readiness	Test
Project Manager, Release Manager	Deployment	Execute deployment	Release
Individual VistA Sites	Installation	Plan and schedule installation	Release
Azure Manager	Installation	Plan and schedule installation	Release

Team	Phase / Role	Tasks	Project Phase (See Schedule)
Release Manager	Back-out	Confirm availability of back-out instructions and back-out strategy (what are the criteria that trigger a back-out)	Release
Sustainment Team	Post Deployment	Hardware, Software and System Support	Sustain

3 Deployment

The deployment is planned as a simultaneous (National Release) rollout. Once approval has been given to nationally release, YS*5.01*223 will be available for installation and deployment at all sites.

Scheduling of test installs, testing, and production deployment will be at the site's discretion. It is anticipated there will be a 30-day compliance period.

3.1 Timeline

The deployment and installation are scheduled to run during August through October 2023.

3.2 Site Readiness Assessment

This section discusses the locations that will receive the YS*5.01*223 deployment.

3.2.1 Deployment Topology (Targeted Architecture)

The web part of the application for YS*5.01*223 will be deployed to the Azure application server and will be available at each site sometime after the VistA patch is installed. Local sites, as well as regional data centers, will need to execute the VistA installation steps during the required installation period to stay synchronized with the updates to the web application.

3.2.2 Site Information (Locations, Deployment Recipients)

The initial deployment will be to Initial Operating Capability (IOC) sites for verification of functionality. Once testing is completed and approval is given for national release, YS*5.01*223 will be deployed to all VistA systems.

The Production IOC testing sites are:

- Clement J. Zablocki VAMC (Milwaukee, WI)
- Orlando VAMC (Orlando, FL)
- St. Louis VAMC (St. Louis, MO)

3.2.3 Site Preparation

YS*5.01*223 requires a fully patched VistA system. Patch YS*5.01*233 must be installed prior to the installation of YS*5.01*223.

3.3 Resources

3.3.1 Facility Specifics (optional)

No specific facility instructions needed.

3.3.2 Hardware

No hardware instructions needed.

3.3.3 Software

No software instructions needed.

3.3.4 Communications

When YS*5.01*223 is released, the released-patch notification will be sent from the National Patch Module to all personnel who have subscribed to notifications for the Mental Health package patch.

4 Installation

4.1 Pre-installation and System Requirements

There are no pre-installation requirements.

4.2 Platform Installation and Preparation

This patch can be loaded with users in the system. Installation time will be less than 5 minutes.

To ensure the integrity of the transport global, use the “Verify Checksums in Transport Global” to compare the checksums with the list that follows:

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

```
Select BUILD NAME: YS*5.01*223      MENTAL HEALTH
YS223PST  value = 6268565
YTQRCRD   value = 68538803
YTQRCRT   value = 4014935
YTQRCRW   value = 24264798
YTQREST   value = 39305843
YTQREST0  value = 12539063
YTQRQAD   value = 104498836
YTQRQAD1  value = 126640956
YTQRQAD2  value = 57360352
YTSCOREX  value = 63964690
done
```

4.3 Access Requirements and Skills Needed for the Installation

Installation of YS*5.01*223 requires access to Kernel Installation and Distribution System (KIDS) options to be able to load and install the KIDS build.

4.4 Installation Procedure

This patch may be installed with users on the system although it is recommended that it be installed during non-peak hours to minimize potential disruption to users. This patch should take less than 5 minutes to install.

1. Choose the PackMan message containing this build. Then select the INSTALL/CHECK MESSAGE PackMan option to load the build.
2. From the Kernel Installation and Distribution System Menu, select the Installation Menu. From this menu:
 - A. Select the Verify Checksums in Transport Global option to confirm the integrity of the routines that are in the transport global. When prompted for the INSTALL NAME enter the patch or build name (YS*5.01*223).
 - B. Select the Backup a Transport Global option to create a backup message. You must use this option for each patch contained in the Host File. For each patch you can specify what to backup, the entire Build or just Routines. The backup message can be used to restore just the routines or everything that will restore your system to pre-patch condition.
 - C. You may also elect to use the following options:
 - i. Print Transport Global - This option will allow you to view the components of the KIDS build.
 - ii. 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 of the components of this patch, such as routines, DDs, templates, etc.
 - D. Select the Install Package(s) option and choose the patch to install (YS*5.01*223).
 - i. If prompted 'Want KIDS to Rebuild Menu Trees Upon Completion of Install? NO//', answer NO.
 - ii. When prompted 'Want KIDS to INHIBIT LOGONs during the install? NO//', answer NO.
 - iii. When prompted 'Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//', answer NO.

4.5 Post-installation

There are no post-installation steps. A future patch will supply and activate a new, web-based Mental Health Assistant (MHA) Dynamic Link Library (DLL) for use with Computerized Patient Record System (CPRS). In the meantime, the new functionality of this patch will be dormant.

4.6 Installation Verification Procedure

The changes made by YS*5.01*223 are all behind the scenes. Launching MHA from CPRS should behave as it did prior to the patch.

4.7 Database Tuning

No database tuning required.

5 Back-Out Procedure

5.1 Back-Out Strategy

This patch updates the MHA application. If MHA does not perform as desired, it is possible to back out to the previous implementation.

5.2 Back-Out Considerations

If the YS*5.01*223 patch is backed out, there will be minimal impact to users.

5.3 Back-Out Criteria

A back-out should only be considered if there is a patient safety issue if MHA no longer functions or if there is some other catastrophic failure.

5.4 Back-Out Risks

The risks vary depending on what is causing the failure of the system. The main risk is that the MHA will be unavailable.

5.5 Authority for Back-Out

The VistA system manager determines if a back-out of YS*5.01*223 should be considered.

5.6 Back-Out Procedure

The following routines need to be restored to their previous versions:

- YTQREST
- YTQREST0
- YTQRQAD
- YTQRQAD1
- YTQRQAD2

Use the KIDS utility restore the routines backed up in Section [4.4](#), [2B](#).

5.7 Back-out Verification Procedure

Open CPRS and launch MHA to ensure that MHA is still functioning.

6 Rollback Procedure

6.1 Rollback Considerations

There are no rollback considerations.

6.2 Rollback Criteria

No rollback criteria.

6.3 Rollback Risks

No rollback risks.

6.4 Authority for Rollback

Authority for rollback not needed.

6.5 Rollback Procedure

No rollback procedure.

6.6 Rollback Verification Procedure

No rollback verification.

7 Appendix A – Acronyms

Table 2: Acronyms

Acronym	Definition
CPRS	Computerized Patient Record System
DLL	Dynamic Link Library
IOC	Initial Operating Capability
KIDS	Kernel Installation and Distribution System
MHA	Mental Health Assistant
OIT	Office of Information and Technology
SQA	Software Quality Assurance
VA	Department of Veterans Affairs
VAMC	Veterans Affairs Medical Center
VistA	Veterans Health Information System and Technology Architecture