

Mental Health YS*5.01*207

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*207 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*207 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*199 must be installed prior to this patch.

NOTE: Sites that use Cerner should not install this patch.

1.3 Constraints

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*207. 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*207 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 5-day release compliance period.

3.1 Timeline

The deployment and installation are scheduled to run during June 2022.

3.2 Site Readiness Assessment

This section discusses the locations that will receive the YS*5.01*207 deployment.

3.2.1 Deployment Topology (Targeted Architecture)

The web part of the application for YS*5.01*207 will be deployed to the Azure application server once all the sites have installed this Vista patch. 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 complete and approval is given for national release, YS*5.01*207 will be deployed to all Vista systems.

The Production IOC testing sites are:

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

3.2.3 Site Preparation

YS*5.01*207 requires a fully patched Vista system. In particular, YS*5.01*199 must be installed prior to the installation of YS*5.01*207.

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*207 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*207
YTQRQAD1 value = 121294868
YTQRQAD3 value = 76501689
YTQRQAD8 value = 9054687
done
```

4.3 Access Requirements and Skills Needed for the Installation

Installation of YS*5.01*207 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 KIDS menu, select the Installation Menu. From this menu use the following options:
 - 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*207).
 - 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*207).
 - 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.

4.6 Installation Verification Procedure

Open CPRS and launch the MHA Web application. Create a new Assignment on a test patient and select the NUDESC instrument. Begin the Assignment in Staff Entry, the NUDESC instrument should appear. At the bottom of the screen press DELETE to delete the instrument administration and Assignment.

4.7 Database Tuning

No database tuning required.

5 Back-Out Procedure

5.1 Back-Out Strategy

This patch updates the Mental Health Application – Web (MHA Web) application. If MHA Web 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*207 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 Web 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 MHA Web will be unavailable.

5.5 Authority for Back-Out

The VistA system manager determines if a back-out of YS*5.01*207 should be considered.

5.6 Back-Out Procedure

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

- YTQRQAD1
- YTQRQAD3
- YTQRQAD8

The NUDESC instrument will also be reverted to the previous version in the MH TEST/SURVEY SPEC file (601.712).

Use the KIDS utility restore the routines backed up in section 4.4, 2B.

Verify with the Azure application administrator that the web application has been backed out to the previous version.

5.7 Back-out Verification Procedure

As a way to verify the back-out, open CPRS, launch MHA Web, create a new Assignment with the NUDESC instrument, and confirm that the instrument shows no questions. Exit out of the Assignment. From the main MHA Web screen, delete the Assignment by checking the checkbox next to the Assignment and clicking on the Trash Can icon.

| Assignment ID | Instrument | Last Done | Progress |
|---|------------|--------------|----------|
| <input type="checkbox"/> Staff | FAST | Mar 09, 2022 | 0% |
| <input checked="" type="checkbox"/> Staff | NUDESC | May 26, 2022 | 0% |
| <input type="checkbox"/> Staff | GAD-7 | Jun 01, 2022 | 100% |

6 Rollback Procedure

6.1 Rollback Considerations

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 |
|----------------|--|
| CAG | Citrix Access Gateway |
| CPRS | Computerized Patient Record System |
| DIBRG | Deployment, Installation, Back-out, and Rollback Guide |
| IOC | Initial Operating Capability |
| KIDS | Kernel Installation and Distribution System |
| MHA | Mental Health Assistant |
| OIT | Office of Information and Technology |
| PIN | Personal Identification Number |
| PIV | Personal Identity Verification |
| SPP | Suicide Prevention Package |
| SQA | Software Quality Assurance |
| SSOi | Single Sign-On Integration |
| VA | Department of Veterans Affairs |
| VAMC | Veterans Affairs Medical Center |
| VIP | Veteran-focused Integration Process |
| VistA | Veterans Health Information System and Technology Architecture |