

Mental Health YS*5.01*217
Deployment, Installation, Back-out, and Rollback
Guide



January 2023
Version 1.0

Department of Veterans Affairs
Office of Information and Technology (OIT)

Revision History

| Date | Version | Description | Author |
|-----------|---------|-----------------|----------------------|
| 12/1/2022 | 1.0 | Initial Version | Liberty IT Solutions |

Table of Contents

| | | |
|----------|--|----------|
| 1 | Introduction..... | 1 |
| 1.1 | Purpose | 1 |
| 1.2 | Dependencies..... | 1 |
| 1.3 | Constraints | 1 |
| 2 | Roles and Responsibilities..... | 1 |
| 3 | Deployment..... | 2 |
| 3.1 | Timeline | 2 |
| 3.2 | Site Readiness Assessment..... | 2 |
| 3.2.1 | Deployment Topology (Targeted Architecture) | 2 |
| 3.2.2 | Site Information (Locations, Deployment Recipients) | 2 |
| 3.2.3 | Site Preparation | 2 |
| 3.3 | Resources | 3 |
| 3.3.1 | Facility Specifics (optional)..... | 3 |
| 3.3.2 | Hardware | 3 |
| 3.3.3 | Software | 3 |
| 3.3.4 | Communications..... | 3 |
| 4 | Installation..... | 3 |
| 4.1 | Pre-installation and System Requirements | 3 |
| 4.2 | Platform Installation and Preparation | 3 |
| 4.3 | Access Requirements and Skills Needed for the Installation | 4 |
| 4.4 | Installation Procedure | 4 |
| 4.5 | Post-installation | 4 |
| 4.6 | Installation Verification Procedure | 5 |
| 4.7 | Database Tuning | 5 |
| 5 | Back-out Procedure..... | 5 |
| 5.1 | Back-out Strategy | 5 |
| 5.2 | Back-out Considerations | 5 |
| 5.3 | Back-out Criteria | 5 |
| 5.4 | Back-out Risks | 5 |
| 5.5 | Authority for Back-out..... | 5 |
| 5.6 | Back-out Procedure..... | 5 |
| 5.7 | Back-out Verification Procedure..... | 6 |
| 6 | Rollback Procedure | 6 |
| 6.1 | Rollback Considerations | 6 |

| | | |
|------------|---|----------|
| 6.2 | Rollback Criteria..... | 6 |
| 6.3 | Rollback Risks..... | 6 |
| 6.4 | Authority for Rollback..... | 6 |
| 6.5 | Rollback Procedure..... | 6 |
| 6.6 | Rollback Verification Procedure..... | 8 |
| 7 | Appendix A – Acronyms..... | 9 |

List of Tables

| | |
|---|---|
| Table 1: Deployment, Installation, Back-out, and Rollback Roles and Responsibilities..... | 1 |
| Table 2: Acronyms..... | 9 |

1 Introduction

This document describes how to deploy and install the patch YS*5.01*217 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*217 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. Patches YS*5.01*141 and YS*5.01*202 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*217. 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*217 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 January and February 2023.

3.2 Site Readiness Assessment

This section discusses the locations that will receive the YS*5.01*217 deployment.

3.2.1 Deployment Topology (Targeted Architecture)

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*217 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*217 requires a fully patched VistA system. Patches YS*5.01*141 and YS*5.01*202 must be installed prior to the installation of YS*5.01*217.

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*217 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*217          MENTAL HEALTH
YS217PST  value = 9701774
YTQAPI1   value = 33692139
YTQAPI17  value = 5761273
YTQAPI2   value = 33799161
YTQROPT   value = 9607623
YTSCAT    value = 57710486
YTSCIA    value = 5411954
YTSCORE   value = 58177918
YTSEDEQ   value = 11852660
YTSMCMIA4 value = 251755612
YTSMCMIA  value = 86005550
done
```

4.3 Access Requirements and Skills Needed for the Installation

Installation of YS*5.01*217 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*217).
 - 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*217).
 - 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

A post-install routine will run to change the name of the ASRS instrument to ASRS-6 and update the CESD instrument with a Total scale. A new instrument category, Eating/Nutrition, will be

added. The routine will also set the instrument categories for the EDE-Q, CIA, AD8, NUDESC, SIP-AD-30, SIP-AD-START, and SWEMWBS instruments.

4.6 Installation Verification Procedure

Open CPRS and launch the MHA Web application. Create a new assignment on a test patient and verify instruments such as the CIA and EDD-Q are selectable. Also verify that the ASRS instrument is now named ASRS-6. Press the CANCEL button to cancel the assignment.

4.7 Database Tuning

No database tuning required.

5 Back-out Procedure

5.1 Back-out Strategy

This patch updates the Mental Health Assistant – 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*217 patch is backed out, there will be minimal impact to users. Special consideration will have to be given to deactivating the instruments that were added (CIA and EDE-Q).

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 the MHA Web will be unavailable.

5.5 Authority for Back-out

The VistA system manager determines if a back-out of YS*5.01*217 should be considered.

5.6 Back-out Procedure

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

- YTQAPI1
- YTQAPI17
- YTQAPI2
- YTQROPT
- YTSCAT

- YTSCIA
- YTSEDEQ
- YTSCORE
- YTSMCMI4
- YTSMCMIA

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

*** NOTE ***

Follow the instrument Deactivation procedure in section 6.5 Rollback Procedure to Drop the CIA and EDE-Q instruments.

5.7 Back-out Verification Procedure

Open CPRS and launch MHA Web. Click on the + sign to create a new Assignment. Verify that the CIA and EDE-Q instruments are no longer visible.

6 Rollback Procedure

6.1 Rollback Considerations

To rollback this patch, three entries in the MH TESTS AND SURVEYS file need to be updated. The two instruments that were added in this patch need to be set to DROPPED.

6.2 Rollback Criteria

If the patch is backed out, the MH TESTS AND SURVEYS file must be rolled back.

6.3 Rollback Risks

By only changing the OPERATIONAL flag, LAST EDIT DATE, and LAST EDITED BY fields in the MH TESTS AND SURVEYS file, the risks are minimal as any existing MH ADMINISTRATION that used these instruments will still be available.

6.4 Authority for Rollback

If the backout of the patch is authorized, then that same authorization is required for rollback.

6.5 Rollback Procedure

Deactivate:

- CIA
- EDE-Q

The following example is for the CIA but will be the same for each instrument.

Log in to VistA.

Go to the VA FileMan menu

Go to **Enter or Edit File Entries**

```

vac20devrha800.mha.vaec.va.gov - PuTTY
You have PENDING ALERTS
  Enter "VA to jump to VIEW ALERTS option

Select Systems Manager Menu < **MHDEV** > Option: FM  VA FileMan

  VA FileMan Version 22.2

  Enter or Edit File Entries
  Print File Entries
  Search File Entries
  Modify File Attributes
  Inquire to File Entries
  Utility Functions ...
  Data Dictionary Utilities ...
  Transfer Entries
  Other Options ...

You have PENDING ALERTS
  Enter "VA to jump to VIEW ALERTS option

Select VA FileMan < **MHDEV** > Option: █

```

At the **Input to what File:** prompt enter MH TESTS AND SURVEYS

At the **EDIT WHICH FIELD** prompt enter:

OPERATIONAL
 LAST EDIT DATE
 LAST EDITED BY

```

vac20devrha800.mha.vaec.va.gov - PuTTY
  Transfer Entries
  Other Options ...

You have PENDING ALERTS
  Enter "VA to jump to VIEW ALERTS option

Select VA FileMan < **MHDEV** > Option: Enter or Edit File Entries

Input to what File: MH TEST/SURVEY SPEC// MH TEST
  1  MH TEST/SURVEY SPEC          (154 entries)
  2  MH TESTS AND SURVEYS        (297 entries)
CHOOSE 1-2: 2  MH TESTS AND SURVEYS (297 entries)
EDIT WHICH FIELD: ALL// OPERATIONAL
THEN EDIT FIELD: LAST EDIT DATE
THEN EDIT FIELD: LAST EDITED BY
THEN EDIT FIELD:

Select MH TESTS AND SURVEYS NAME: █

```

At the **Select MH TESTS AND SURVEYS NAME:** prompt enter CIA

At the **OPERATIONAL** prompt enter DROPPED

At the **LAST EDIT DATE** prompt enter N for NOW

At the **LAST EDITED BY** prompt enter your name.

```
Select VA FileMan <***MHDEV**> Option: Enter or Edit File Entries

Input to what File: MH TEST/SURVEY SPEC// MH TEST
  1  MH TEST/SURVEY SPEC          (154 entries)
  2  MH TESTS AND SURVEYS        (297 entries)
CHOOSE 1-2: 2  MH TESTS AND SURVEYS (297 entries)
EDIT WHICH FIELD: ALL// OPERATIONAL
THEN EDIT FIELD: LAST EDIT DATE
THEN EDIT FIELD: LAST EDITED BY
THEN EDIT FIELD:

Select MH TESTS AND SURVEYS NAME: CIA  CIA
OPERATIONAL: Yes// DROP  Dropped
LAST EDIT DATE: JUN 3,2022@17:43// N  (OCT 24, 2022@14:42)
LAST EDITED BY:                //

Select MH TESTS AND SURVEYS NAME: █
```

Repeat this process for the EDE-Q.

6.6 Rollback Verification Procedure

Go to CPRS and log in. Go to the Tools Menu and launch MHA Web. Click on the plus sign to create a new Assignment. Click on **View All Instruments** to see the full instrument list. Verify that the CIA and EDE-Q do not appear.

7 Appendix A – Acronyms

Table 2: Acronyms

| Acronym | Definition |
|----------------|--|
| ASRS | Adult ADHD Self-Report Scale |
| CAG | Citrix Access Gateway |
| CES-D | Center for Epidemiologic Studies Depression Scale |
| CIA | Clinical Impairment Assessment |
| CPRS | Computerized Patient Record System |
| DIBRG | Deployment, Installation, Back-out, and Rollback Guide |
| EDE-Q | Eating Disorder Examination Questionnaire |
| 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 |
| 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 |