

Mental Health YS*5.01*233

Deployment, Installation, Back-Out, and Rollback Guide



September 2023

Version 1.0

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

Revision History

Date	Version	Description	Author
8/01/2023	1.0	Initial Version	Booz Allen Hamilton

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	3
4.4	Installation Procedure	3
4.5	Post-installation	4
4.6	Installation Verification Procedure	4
4.7	Database Tuning	4
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.....	5
6	Rollback Procedure	5
6.1	Rollback Considerations	5
6.2	Rollback Criteria.....	5

6.3	Rollback Risks.....	5
6.4	Authority for Rollback.....	6
6.5	Rollback Procedure	6
6.6	Rollback Verification Procedure	7
7	Appendix A – Acronyms.....	8

List of Tables

Table 1:	Deployment, Installation, Back-out, and Rollback Roles and Responsibilities.....	1
Table 2:	Acronyms.....	8

1 Introduction

This document describes how to deploy and install the patch YS*5.01*233 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*233 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*208 and YS*5.01*235 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*233. 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*233 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 and September 2023.

3.2 Site Readiness Assessment

This section discusses the locations that will receive the YS*5.01*233 deployment.

3.2.1 Deployment Topology (Targeted Architecture)

The web part of the application for YS*5.01*233 will be deployed to the Azure application server and will be available at each site once 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*233 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*233 requires a fully patched VistA system. Patches YS*5.01*208 and YS*5.01*235 must be installed prior to the installation of YS*5.01*233.

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*233 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*233          MENTAL HEALTH
YS233PST  VALUE = 4128640
YTQAPI17  VALUE = 6210379
YTQRQAD2  VALUE = 53380617
YTSC19Y   VALUE = 131685151
YTSEQ5D   VALUE = 10014085
DONE
```

4.3 Access Requirements and Skills Needed for the Installation

Installation of YS*5.01*233 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*233).
 - 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 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*233).
 - 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 update the MHLA, MHLB, and MHLC-C instruments. It will also update the URL for launching MHA in the CPRS Tools menu.

4.6 Installation Verification Procedure

Open CPRS and launch the MHA application. Verify that the URL starts with:

<https://mha.med.va.gov/app/home/a/>

Close the browser without logging in.

4.7 Database Tuning

No database tuning required.

5 Back-Out Procedure

5.1 Back-Out Strategy

This patch updates the Mental Health Assistant (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*233 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*233 should be considered.

5.6 Back-Out Procedure

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

- YTQAPI17
- YTQRQAD2

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

5.7 Back-out Verification Procedure

Open CPRS and launch MHA. After logging in with your PIV card, look at the URL. Verify that it now has /b/ in it.

6 Rollback Procedure

6.1 Rollback Considerations

To rollback this patch, five entries in the MH TESTS AND SURVEYS file need to be updated. The seven 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:

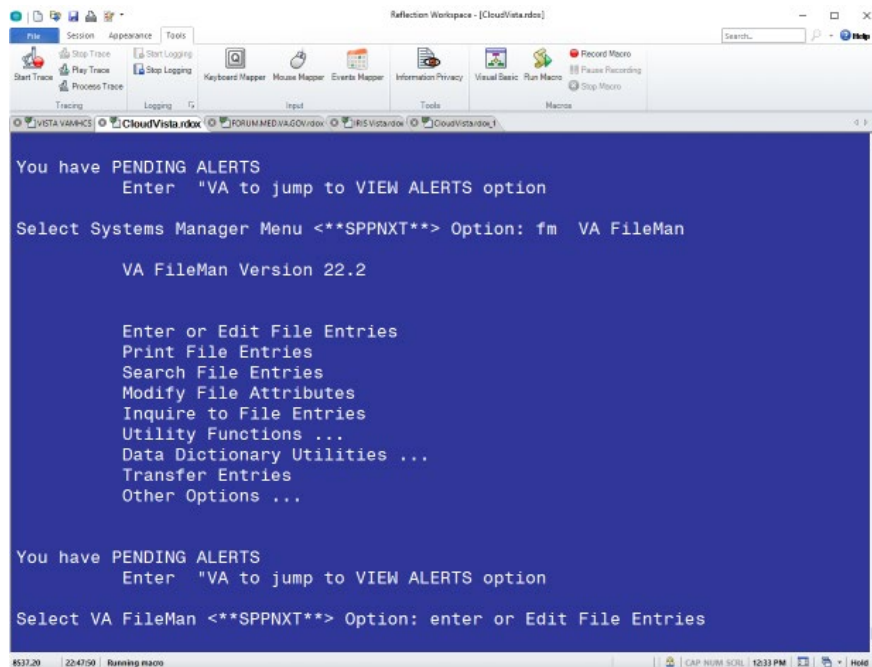
- C19-YRS
- EQ-5D-5L
- FSS
- MRC
- PCFS

The example below is for the C19-YRS 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**



```
Reflection Workspace - [CloudVista.rdcx]
File Session Appearance Tools
Start Trace Stop Trace Start Logging Play Trace Stop Logging Process Trace
Tracing Logging Input Tools Macros
J:\VISTA\VA\NCS CloudVista.rdcx FORUM\MED\VA\GOV\rdcx J:\RIS\Vista\rdcx J:\CloudVista\rdcx

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

Select Systems Manager Menu <>**SPPNXT**> 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 <>**SPPNXT**> Option: enter or Edit File Entries
```

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

```

vac20devmha800.mha.vaec.va.gov - PuTTY
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: Enter or Edit File Entries

Input to what File: MH TESTS AND SURVEYS// (313 entries)
EDIT WHICH FIELD: ALL// OPERATIONAL
THEN EDIT FIELD: LAST EDIT DATE
THEN EDIT FIELD: LAST EDITED BY
THEN EDIT FIELD:

```

At the **Select MH TESTS AND SURVEYS NAME:** prompt enter C19-YRS
 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.

```

vac20devmha800.mha.vaec.va.gov - PuTTY
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 TESTS AND SURVEYS// (313 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: C19-YRS C19-YRS
OPERATIONAL: Yes// DR Dropped
LAST EDIT DATE: JUN 27,2023@12:36// N (JUL 28, 2023@12:40)
LAST EDITED BY: //

Select MH TESTS AND SURVEYS NAME: █

```

Repeat this process for the EQ-5D-5L, FSS, MRC, and PCFS instruments.

6.6 Rollback Verification Procedure

Go to CPRS and log in. Go to the Tools Menu and launch MHA. Click on the plus sign to create a new Assignment. Click on **View All Instruments** to see the full instrument list. Verify that the C19-YRS, EQ-5D-5L, FSS, MRC, and PCFS do not appear.

7 Appendix A – Acronyms

Table 2: Acronyms

Acronym	Definition
C19-YRS	Modified COVID-19 Yorkshire Rehabilitation Screening
CAG	Citrix Access Gateway
CPRS	Computerized Patient Record System
DIBRG	Deployment, Installation, Back-out, and Rollback Guide
EQ-5D-5L	EuroQoI Group 5-Dimension 5-Level Health Questionnaire
FSS	Fatigue Severity Scale
IOC	Initial Operating Capability
KIDS	Kernel Installation and Distribution System
MRC	Medical Research Council Breathlessness Scale
OIT	Office of Information and Technology
PAI	Personality Assessment Inventory
PCFS	Post-COVID-19 Functional Status Scale
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