Mental Health YS*5.01*178

Deployment, Installation, Back-Out, and Rollback Guide

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Revision History

Date	Version	Description	Author
07/23/2021	1.0	Initial Version	Liberty IT Solutions

Table of Contents

List of Tables

1 Introduction

This document describes how to deploy and install the patch YS*5.01*178 of the Mental Healthpackage, 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 in thisdocument.

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*178 will be deployed and installed, as well ashow 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 InformationSystem and Technology Architecture (VistA) system. Patch YS*5.01*179 must be installed.

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 ofYS*5.01*178. 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

Team	Phase / Role	Tasks	Project Phase (See Schedule)
Azure Manager	Installation	Plan and schedule installation	Release
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*178 will be available for installation and deploymentat all sites.

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

3.1 Timeline

The deployment and installation are scheduled to run during August 2021.

3.2 Site Readiness Assessment

This section discusses the locations that will receive the YS*5.01*178 deployment.

3.2.1 Deployment Topology (Targeted Architecture)

YS*5.01*178 will be deployed to the Azure application server. Local sites as well as regional data centers will need to execute the VistA installation steps in order 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*5.0*178 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*178 requires a fully patched VistA system. In particular, YS*5.01*179 (MHA Planning and Staff Entry) should have been installed prior to the installation of YS*5.01*178.

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*178 is released, the released-patch notification will be sent from the NationalPatch Module to all personnel who have subscribed to notifications for the Mental Health package as an Informational 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.

Routine Name: YTQREST
    Before: B12537603   After: B16134782   **158,178**
Routine Name: YTQREST0
    Before:  B7041728   After:  B7781538   **130,178**
Routine Name: YTQRQAD1
    Before: B54241678   After: B87154790   **130,141,178**
Routine Name: YTQRQAD2
    Before: B41102943   After: B45041984   **130,141,173,178**
Routine Name: YTQRQAD3
    Before: B33656257   After: B40827460   **130,141,158,178**
Routine Name: YTQRQAD4
    Before: B92486372   After: B97950328   **158,178**
Routine Name: YTQRQAD5
     Before: B46583527   After: B53729604   **158,178**
```

4.3　Access Requirements and Skills Needed for the Installation

Installation of YS*5.01*178 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*178).

    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*178).

        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 Installation Verification Procedure

This patch adds two new PARAMETER DEFINITIONS (#8989.51). You may verify installation by looking in the PARAMETER DEINITIONS files for the YS MHA_WEB FAV INST and YS MHA_WEB LAST ASSIGN SET entries:

```
Select PARAMETER DEFINITION NAME: YS MHA_WEB FAV INST    YS MHA_WEB FAVORITE
INS
TRUMENTS LIST
Another one: YS MHA_WEB LAST ASSIGN SET    YS MHA_WEB LAST ASSIGNMENT
SETTING
Another one:
Standard Captioned Output? Yes//   (Yes)
Include COMPUTED fields:  (N/Y/R/B): NO//  - No record number (IEN), no
Computed
 Fields

NAME: YS MHA_WEB FAV INST
  DISPLAY TEXT: YS MHA_WEB FAVORITE INSTRUMENTS LIST
  MULTIPLE VALUED: Yes               VALUE TERM: MHA_WEB FAV INST
  VALUE DATA TYPE: word processing      INSTANCE DATA TYPE: free text
  INSTANCE HELP: Enter the JSON for the Instrument Favorites list.
 DESCRIPTION:
 This parameter will identify the list of favorite instruments for a user.
PRECEDENCE: 1                      ENTITY FILE: USER

NAME: YS MHA_WEB LAST ASSIGN SET
  DISPLAY TEXT: YS MHA_WEB LAST ASSIGNMENT SETTING
  MULTIPLE VALUED: Yes               VALUE TERM: MHA-WEB LAST SETTING
  VALUE DATA TYPE: word processing      INSTANCE DATA TYPE: free text
  INSTANCE HELP: Enter the name of this Assignment Setting instance.
 DESCRIPTION:
 This parameter will identify the last assignment settings used for this
 user in MHA-WEB.  The settings include Ordered By, Interviewer,
 Location, Administration Date, and associated Consult if applicable.

PRECEDENCE: 1                      ENTITY FILE: USER
```

You may also launch the MHA Web application from Computerized Patient Record System (CPRS). Launch the CPRS application, select a patient, then go to the Tools menu and select MHA Web. When the browser launches, authenticate using your PIV card. When the application launches, verify that the version in the upper left corner displays v1.2.21.
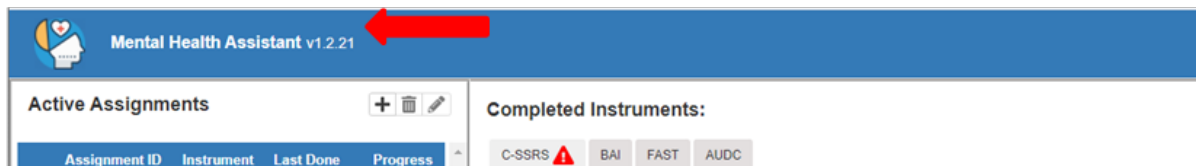
4.6 System Configuration

No system configuration required.

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. The backout procedure will leave the new PARAMETER DEFINTIONS in place but inoperative since they are only used by this version of the MHA Web application. If there is a compelling reason to back-out the PARAMETER DEFINITIONS and related PARAMETERs, if created, you will need to contact the development team for a patch.

5.2 Back-Out Considerations

If the YS*5.01*178 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 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*178 should be considered.

5.6 Back-Out Procedure

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

- YTQREST
- YTQREST0
- YTQRQAD1
- YTQRQAD2
- YTQRQAD3
- YTQRQAD4
- YTQRQAD5

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

To verify the back-out procedure, run CPRS, select a patient, and click on the Tools option and select MHA Web. Verify that the version is v1.2.20

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