Blind Rehabilitation (ANRV)

Deployment, Installation, Back-Out, and Rollback Guide

Version 5.1

February 2023

ANRV*5.1*6

Department of Veterans Affairs (VA)

Office of Information and Technology (OIT)

Revision History

When updates occur, the Title Page lists the new revised date, and this page describes the changes. Bookmarks link the described content changes to its place within manual. There are no bookmarks for format updates. Page numbers change with each update; therefore, they are not included as a reference in the Revision History.

Date	Version	Description	Author
02/2023	5.1.6	Correct dates and typos, modified team from Liberty to Booz Allen, changed deployment instructions in section 3, updated timeline in section 3.1, updated site information in section 3.2.2, updated sections 4.4 and 4.5. Modified 4.8 with and extra prompt, 4.9 with correct names, 4.10 with an additional note, updated section 5 back-out procedure by deleting confusing verbiage and adding in clearer instructions, updated section 5.1 back-out strategy with clearer instructions. Updated Section 6.5 and 6.6 with clearer instructions and URL	Booz Allen Hamilton
12/2022	5.1.3	Patch 2 "Entered in Error"	Booz Allen Hamilton
10/2022	5.1.2	Patch 1	Booz Allen Hamilton
8/2022	5.1	Initial Release	Booz Allen Hamilton

Artifact Rationale

This document describes the Deployment, Installation, Back-out, and Rollback Plan for new products going into the VA Enterprise. The plan includes information about system support, issue tracking, escalation processes, and roles and responsibilities involved in all those activities. Its purpose is to provide clients, stakeholders, and support personnel with a smooth transition to the new product or software, and should be structured appropriately, to reflect particulars of these procedures at a single or at multiple locations.

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1. Introduction

This document describes how to deploy and install the Blind Rehabilitation patch ANRV*5.1*6 web application, as well as how to back-out the product and rollback to a previous version or data set.

1.1. Purpose

The purpose of this plan is to provide a single, common document that describes how, when, where, and to whom the Blind Rehabilitation web application 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

The Blind Rehabilitation web application requires that Identify and Access Management (IAM), Blind Single Sign-On Internal (SSOi) be provisioned for the application and that users of the application Link any of their existing VistA accounts with IAM's Link My Account.

ANRV*5.1*6 project is for installation on a fully patched Veterans Health Information Systems and Technology Architecture (VistA) system.

1.3. Constraints

Not applicable for ANRV*5.1*6.

2. Roles and Responsibilities

The deployment, installation, back-out, and rollback roles and responsibilities are shown in Table 1.

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

Team	Phase / Role	Tasks
Booz Allen Hamilton, National Blind Rehabilitation Server, VistA Applications and Office Information & Technology (OIT), Development, Security, and Operations (DevSecOps) and Product Support Team	Deployment	Plan and schedule deployment (including orchestration with vendors)
Booz Allen Hamilton, National Blind Rehabilitation Server, VistA Applications and Office Information & Technology (OIT), Development, Security, and Operations (DevSecOps) and Product Support Team	Deployment	Determine and document the roles and responsibilities of those involved in the deployment.

Team	Phase / Role	Tasks
Booz Allen Hamilton, National Blind Rehabilitation Server, VistA Applications and Office Information & Technology (OIT), Development, Security, and Operations (DevSecOps) and Product Support Team	Deployment	Test for operational readiness
VistA Applications and Office Information &Technology (OIT), Development, Security, and Operations (DevSecOps)	Deployment	Execute deployment
VistA Applications and Office Information &Technology (OIT), Development, Security, and Operations (DevSecOps) and Product Support Team	Back-out	Confirm availability of back-out instructions and back-out strategy (what are the criteria that trigger a back-out)
VistA Applications and Office Information &Technology (OIT), Development, Security, and Operations (DevSecOps) and Product Support Team	Post Deployment	Hardware, Software and System Support

3. Deployment

Server promotion deployment of BRS 5.1.6 by Infrastructure Operations (IO) after ANRV*5.1*6 national release approval.

3.1. Timeline

ANRV*5.1*6 will occur, at the same time for all sites, as a result of the deployment upon approval for national release.

3.2. Site Readiness Assessment

This section discusses the locations that will receive the ANRV*5.1*6 deployment.

3.2.1. Deployment Topology (Targeted Architecture)

The nationally deployed BRS will be updated to BRS 5.1.6.

3.2.2. Site Information (Locations, Deployment Recipients)

The IOC sites are:

- West Palm Beach, FL VAMC

- Augusta, GA VAMC

3.2.3. Site Preparation

The ANRV*5.1*6 patch will require a fully patched VistA system.

3.3. Resources

Not applicable for ANRV*5.1*6

3.3.1. Facility Specifics

Not applicable for ANRV*5.1*6

3.3.2. Hardware

Not applicable for ANRV*5.1*6

3.3.3. Software

The following table describes software specifications required at each site prior to deployment.

Table 2: Software Specifications

Required Software
A fully patched VistA system

Please see the Roles and Responsibilities table in Section 2 above for details about who is responsible for preparing the site to meet these software specifications.

3.3.1. Adaptive Technology Software for Individual Work Station

Blind Rehabilitation users are responsible for ensuring their adaptive technology software is fully updated (JAWS/ZoomText/etc.). Please contact local desktop support for assistance if needed.

Your adherence to the VA Technical Reference Model (TRM) is essential to improving the technical environment within VA. Architecture & Engineering Services (AES), specifically EA, has overall responsibility for the VA TRM and needs your support and cooperation to make it a success.

You may access: REDACTED to view approved versions.

JAWS 2020 Software enhancements version releases:

- Enhancements in JAWS 2020.2001.70 (February 2020)
- Enhancements in JAWS 2020.2003.13 (March 2020)
- Enhancements in JAWS 2020.2004.66 (April 2020)
- Enhancements in JAWS 2020.2006.12 (June 2020)
- Enhancements in JAWS 2020.2008.24 (August 2020)
- Enhancements in JAWS 2020.2012.9 (December 2020)
- Enhancements in JAWS 2020.2110.3 (November 2021)

The latest patch for JAWS 2020 is: JAWS 2020.2110.3 Offline 64-bit November 2021.

It is recommended that BR staff be updated to JAWS 2023.

ZoomText: Recommended version – 2023.x (October 2022).

For more info on these releases, please go here: REDACTED and select in the drop-down JAWS 2020.

3.3.2. Communications

ANRV*5.1*6 will be deployed using the standard method of patch release from the National Patch Module. When ANRV*5.1*6 is released, the National Patch Module will send a notification to all the personnel who have subscribed to those notifications.

4. Patch Installation

4.1. Pre-Installation and System Requirements

OIT BR Sustainment team to deliver the new ear files to the IO team.

- REDACTED

4.2. Platform Installation and Preparation

Not applicable for ANRV*5.1*6

4.3. Download and Extract Files

Refer to the ANRV*5.1*6 patch description in FORUM to find related documentation that can be downloaded.

The following documents and files can be obtained from the SOFTWARE library:

REDACTED

Table 3: Associated Patch Files

File	Description
ANRV_5_1_6_RN.docx ANRV_5_1_6_RN.pdf	Blind Rehabilitation (BR) Release 5.1.6 Release Notes
ANRV_5_1_6_UM.docx ANRV_5_1_6_UM.pdf	BR User Manual
ANRV_5_1_6_DIBRG.docx ANRV_5_1_6_DIBRG.pdf	BR Deployment, Installation, Back-out, and Rollback Guide
ANRV_5_1_6_CIG.docx ANRV_5_1_6_CIG.pdf	BR Centralized Server Installation/Implementation Guide

Redacted versions are also available on the VA Software Document Library (VDL):

REDACTED

4.4. Database Creation

Not applicable for ANRV*5.1*6

4.5. Installation Scripts

No installation scripts are needed for ANRV*5.1*6 installation.

4.6. Cron Scripts

Not applicable for ANRV*5.1*6

4.7. Access Requirements and Skills Needed for the Installation on the AWS Platform

BRS 5.1.6 deployment requires an IO web administrator.

4.8. Installation Procedure

4.8.1. Ear File Deployment

1. IO team backups the previous ear files.

   a. REDACTED

2. IO team removes the previous ear files.

3. IO team deploys the new ear files.

   a. REDACTED

4.8.2. KIDS Installation

Not applicable for ANRV*5.1*6.

4.9. Installation Verification Procedure

The bottom right corner of the application login page from the BRS URL should begin with REDACTED.

4.9.1. KIDS Verification

Not applicable for ANRV*5.1*6.

Table 4: Routines

Routine	Before Checksum	After Checksum	Patch List
N/A			

4.10. System Configuration

Not applicable for ANRV*5.1*6.

4.11. System Configuration

Not applicable for ANRV*5.1*6

4.12. Database Tuning

Not applicable for ANRV*5.1*6

5. Back-Out Procedure

The decision to back-out or rollback software will be a joint decision between development team, VA site/region personnel and other appropriate VA personnel.

To request assistance with a back-out, please log a ServiceNow ticket, and state that you're requesting assistance with backing out a patch.

AWS Deployment Backout:

Since the application is deployed as a Java enterprise archive (EAR), the application will be placed in the REDACTED directory. The version of the application is included in the EAR file. The WebLogic administrator may have unlimited previous versions of the EAR file in the REDACTED directory. However, to conserve space, the Booz Allen team suggests that one previous version be stored. Older versions can be created using GitHub and a build process. Follow the same installation procedure of the WebLogic admin, use the last known good operational state of the EAR software and appropriate platform settings, and undeploy the version of the application that are causing issues.

5.1. Back-Out Considerations

Backout of this patch will be performed only with the concurrence and participation of the appropriate VA site/region personnel. The decision to back out the patch will be a joint decision between VA site/region personnel and other appropriate VA personnel.

5.1.1. Load Testing

The load testing is being done during the live testing phase at the test sites.

5.1.2. User Acceptance Testing

User Acceptance Testing (UAT) can be provided upon request and outcome of UAT is managed and completed by Booz Allen Hamilton . For User Acceptance Testing details, please contact:

• REDACTED

• REDACTED

5.1.3. Back-Out Criteria

AWS-The product can be backed out if significant issues are experienced during deployment of the EAR or if issues arise during use of the application (regression testing) once made available in the appropriate environment.

5.2. Back-Out Risks

By backing out the ANRV*5.1*6 patch, corrective actions included with the patch will be removed and an earlier version will be restored.

5.3. Authority for Back-Out

The Business owner, OIT DevSecOps and Liberty have the authority to request a backout be performed.

5.4. Back-Out Procedure

5.4.1. Ear File Backout

1. IO team removes the new ear files.

    a. REDACTED

2. IO team deploys the previous ear files.

    a. REDACTED

5.4.2. KIDS Back-Out

Not applicable for ANRV*5.1*6.

Backout of this patch will be performed only with the concurrence and participation of the appropriate VA site/region personnel. The decision to back out the patch will be a joint decision between VA site/region personnel and other appropriate VA personnel.

5.5. Back-out Verification Procedure

5.5.1. Ear File Back-out Verification

The bottom right corner of the application login page from the BR URL should begin with **Build:** REDACTED.

5.5.2. KIDS Back-out Verification

Not applicable for ANRV*5.1*6.

6. Rollback Procedure

Not applicable for ANRV*5.1*6.

6.1. Rollback Considerations

Not applicable for ANRV*5.1*6.

6.2. Rollback Criteria

Not applicable for ANRV*5.1*6.

6.3. Rollback Risks

Not applicable for ANRV*5.1*6.

6.4.Authority for Rollback

Not applicable for ANRV*5.1*6.

6.5.Rollback Procedure

Not applicable for ANRV*5.1*6.

6.6.Rollback Verification Procedure

Not applicable for ANRV*5.1*6.