Data Update (DATUP) 3.3.01

Deployment, Installation, Back-Out, and Rollback Guide (DIBR)

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Department of Veterans Affairs (VA)

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Revision History

Date	Version	Description	Author
12/19/2024	0.1	PRED*3*7: upgrade Log4j version from log4j-api-2.20.0 to 2.23.1, upgraded to jsch version from 0.1.51 to 0.2.19 and upgraded upgraded esapi from esapi-2.5.2.0 to 2.5.5.0	Booz Allen Hamilton

Artifact Rationale

This document describes the Deployment, Installation, Back-out, and Rollback Guide for new patches going into the VA Enterprise. The guide 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.

Per the Veteran-focused Integrated Process (VIP) Guide, the Deployment, Installation, Back-out, and Rollback Guide is required to be completed prior to Critical Decision Point #2 (CD #2), with the expectation that it will be updated throughout the lifecycle of the project for each build, as needed.

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1   Introduction

This document describes how to deploy and install the patch PRED*3*7 for the Pharmacy Reengineering (PRE) DATUP application, 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 cases where a non-developed Commercial off-the-shelf (COTS) product is being installed, the vendor provided User and Installation guide may be used, but the back-out recovery strategy still needs to be included in this document.

1.1   Purpose

The purpose of this plan is to provide a single, common document that describes how, when, where, and to whom the DATUP application patch, PRED*3*7, 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 deployment, back-out, and rollback are included in this document.

2   Deployment

DATUP will only be installed on national pharmacy re-engineering servers and will be done by AITC/PITC support staff. No site installation is necessary.

- **Prerequisite:** Download the datup-national-3.3.01.0001zip. If needed, contact the HPSCLIN team at Liberty IT Solutions for file location or installation assistance.
- Zip file includes following files for EAR file deployment:
  - datup-national-3.3.01.0001.ear
- Backup **Classpath and Arguments** at current Server Startup in Weblogic console

2.1   Deployment Steps:

1. (SA) unzip datup-national-3.3.01.0001.zip.
2. Follow the steps in section **3.4**, **Deployment**.

   Or

   1. Shutdown WebLogic servers
      EAR File Deployment:
   2. Backup 3.2.01.0001.ear from WebLogic
   3. Backup log4j-api-2.20.0.jar and log4j-core-2.20.0.jar
   4. Replace log4j-api-2.23.1.jar and log4j-core-2.23.1.jar
   5. Deploy datup-national-3.3.01.0001.ear

6. Restart the servers

7. Smoke Test Weblogic.

8. Validate deployment successful.

3   Installation

Installation is not applicable for PRED*3*7, because this is a patch-specific deployment.

4 Back-Out Procedure

Backout plan will be executed if deployment fails functional testing and cannot be remediated immediately.

4.1 Backout Process:

4.1.1   Prerequisites:

- Previous datup-national-3.2.01.0001 still exists in installation directory along with log4j-api-2.20.0.jar and log4j-core-2.20.0.jar at /lib/ folder where WebLogic is installed

- For Example, - /u01/app/oracle/user_projects/domains/pecs_production/lib.

- Replace **Classpath and Arguments** at server start in weblogic from backup.

4.1.2   Backout Steps:

Uninstall previous release as per section **4.1**, **Uninstall Previous Release** of the, **PRED_3_3_01_P3_IGN.DOCX**.

1. **Delete** datup-national-3.3.01.0001.ear

2. **Delete** log4j-api-2.23.1.jar and log4j-core-2.23.1.jar

3. Replace log4j-api-2.20.0.jar and log4j-core-2.20.0.jar

4. **Deploy** datup-national-3.2.01.0001.ear

5. Smoke Test WebLogic.

6. Validate backout successful

4.2   Back-out Verification Procedure

To verify that the national DATUP installation is up and running, navigate a web-browser to the logs directory on your server. example:

/u01/app/OracleHome/user_projects/domains/ppsn/DATUPLOGS

Verify that the `server.log` file has an entry indicating the next scheduled run time of the DATUP application.

Example:

```
DEBUG
[REDACTEDpharmacy.peps.updater.common.utility.DifUpdateScheduler:scheduleNextTimer]
Next scheduled DIF update time: Fri, 1/2/2025, 09:30:00 PM, CDT
```

This line indicates that the system is running.

5 Rollback

This section is not applicable because there is no data update for PRED*3*7.