

Scheduling Package Enhancement

Patch SD*5.3*879

Deployment, Installation, Back-Out, and Rollback Guide



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Revision History

Date	Version	Description	Author
6/6/2024	1.0.0	Initial Document Draft	BAH

Artifact Rationale

This document describes the Deployment, Installation, Back-Out, and Rollback Guide 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

The Deployment, Installation, Back-Out and Rollback Guide defines the ordered, technical steps required to install the product, back out the installation (if necessary), and roll back to the previously installed version of the product. It provides installation instructions for the SD*5.3*879 patch

1.1 Purpose

The purpose of this Guide is to provide installation steps for the SD*5.3*879 patch. The intended audience for this document is the Information Resource Management Systems (IRMS) staff. Some of the main features of this patch are the following:

1. Fully implement MRTC ability for TMP, by correctly filing the appointments and using the child requests and not allowing to file against the Parent request.
2. Change the Query for Consults./RTC API to read master files by a specific date range and not reading all records. This will speed up the turn around reply back to TMP GUI and should alleviate the timeout and failure of these requests.
3. The security key SDTOOL has been added to the Default Provider Bulk Update [SD DEFAULT PROVIDER UPDATE] option to limit the use of default provider bulk update process to authorized users only.
4. A post-install cleanup routine will find corrupted regular RTC appointment request data and erase the PARENT REQUEST field (#43.8) of the SDEC APPT REQUEST file (#409.85) for regular RTC appointments. After erasing this field, then a Scheduling HL7 API will be invoked to notify CPRS to Complete these RTC orders. The post-install will generate a Mailman message and send to the installer with the results of the corrected appointments that can be forwarded to Scheduling Personel.

1.2 Dependencies

N/A

1.3 Constraints

N/A

2. Pre-installation and System Requirements

2.1 System Requirements

Package	Minimum Version Needed
VA FileMan	22.0
Kernel	8.0
MailMan	8.0
Health Level 7	1.6
Order Entry/Results Reporting	3.0
CMOP	2.0
NDF	4.0
Outpatient Pharmacy	7.0
Pharmacy Data Management	1.0
Controlled Substances	3.0
Toolkit	7.3
Drug Accountability	3.0

2.2 Platform Installation and Preparation

N/A

2.3 Download and Extract Files

N/A

2.4 Database Creation

N/A

2.5 Installation Scripts

N/A

2.6 Cron Scripts

N/A

2.7 Access Requirements and Skills Needed for the Installation

N/A

3. Installation Procedure

3.1 Installation from the Patch Description

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 (ex. SD*5.3*879).
 - B. Select the Backup a Transport Global option to create a backup message. You must use this option and specify what to backup, the entire Build or just Routines. The backup message can be used to restore the routines and components of the build to the pre-patch condition.
 - i. At the Installation option menu, select Backup a Transport Global.
 - ii. At the Select INSTALL NAME prompt, enter your build SD*5.3*879.
 - iii. When prompted for the following, enter "R" for Routines or "B" for Build.

Select one of the following:
B Build
R Routines

Enter response: Build
 - iv. When prompted "Do you wish to secure your build? NO//", press <enter> and take the default response of "NO".
 - v. When prompted with, "Send mail to: Last Name, First Name", press <enter> to take the default recipient. Add any additional recipients.
 - vi. When prompted with "Select basket to send to: IN//", press <enter> and take the default IN mailbox or select a different mailbox.
 - 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.
 - i. When Prompted "Want KIDS to Rebuild Menu Trees Upon Completion of Install? NO//" respond NO.
 - ii. When Prompted "Want KIDS to INHIBIT LOGONs during the install? NO//" respond NO.

- iii. When Prompted "Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//" respond NO.
- iv. If prompted 'Delay Install (Minutes): (0-60): 0//' respond 0.

4. Implementation Procedure

4.1 Post-Install Routine (No Action Required)

The post install routine will clean up any RTC appointments in CPRS with status "partial results". These will be corrected to status "complete".

Please forward the resulting mailman message to scheduling personnel.

Example Post Install Mail Message:

Subj: SD TMP cleanup of MRTC parent field in SDEC APPT REQUEST file #40
[#384037] 05/20/24@15:31 6 lines
From: POSTMASTER In 'IN' basket. Page 1

Patient appointment date/times that were fixed, can now be accessed by VSE
Appt Request CID records also fixed CPRS Order tab status
for RTC orders from 'partial results' to 'complete'.

Patient: C9701 Appt: Mar 14, 2024@11:50 was corrected. Req ien:283401
Patient: C9701 Appt: Mar 20, 2024@12:15 was corrected. Req ien:283427

5. Back-Out Procedure

5.1 Back-Out Strategy

See Section 5.6.

5.2 Back-Out Considerations

For items 1 and 2 the Back-out Procedure can be verified by printing the first 2 lines of the routine contained in this patch using the option First Line Routine Print [XU FIRST LINE PRINT]. Once the routine has been restored, it will no longer display 879 on the second line. This is routine-only patch and can be backed out with the patch backup message.

For item 3 the Back-out procedure is to use Fileman and edit the menu option SD DEFAULT PROVIDER UPDATE in the OPTION file (#19) and delete the SDTOOL key value out of the LOCK field (#3) for this menu option.

For item 4, a post-install routine SD53P879 will erase bad data for a regular RTC appointment request and update the CPRS Order status for this order to “complete” that was stuck in status “partial results” and there is no rollback strategy required for this field being erased.

5.2.1 Load Testing

N/A

5.2.2 User Acceptance Testing

User Acceptance Testing will be completed by the time patch SD*5.3*879 is released.

5.3 Back-Out Criteria

Back-Out criteria will follow VA guidelines and best practices as referenced in the EO National Data Center Hosting Services document.

5.4 Back-Out Risks

N/A

5.5 Authority for Back-Out

Back-out will be done only with the concurrence and participation of development team and appropriate VA site/region personnel. 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.

5.6 Back-Out Procedure

Prior to installing an updated KIDS package, the site/region should have saved a backup of the routines in a mail message using the Backup a Transport Global [XPD BACKUP] menu option (this is done at time of install). The message containing the backed-up routines can be loaded with the "Xtract PackMan" function at the Message Action prompt. The Packman function "INSTALL/CHECK MESSAGE" is then used to install the backed-up routines onto the Vista System.

If the patch was backed up for the build, from the Kernel Installation and Distribution System Menu, select the Installation Menu. Select the Install Package(s) option and choose the patch (xxx*x.x*xxx) to install.

The back-out plan is to restore the routines from the backup created.

The Back-out Procedure can be verified by printing the first 2 lines of the routine contained in this patch using the option First Line Routine Print [XU FIRST LINE PRINT]. Once the routine contained in the SD*5.3*879 patch has been backed out, the first two lines of the routine will no longer contain the designation of this patch in the patch.

Delete the SDTOOL key value out of the LOCK field (#3) for menu option SD DEFAULT PROVIDER UPDATE in the option file (#19).

6. Rollback Procedure

6.1 Rollback Considerations

This is a routine-only patch. Note: The post-install routine SD53P879 will erase an errant field PARENT REQUEST field (#43.8) in the SDEC APPT REQUEST file (#409.85) that should not be populated for single RTCs. This should not be rolled back.

6.2 Rollback Criteria

Rollback criteria will follow VA guidelines and best practices as referenced in the EO National Data Center Hosting Services document.

6.3 Rollback Risks

N/A

6.4 Authority for Rollback

The authority for rollback would come from the project IPT, the VA project manager, and other relevant stakeholders, where applicable.

6.5 Rollback Procedure

There are no data dictionary or additional data changes in this patch.

7. Additional Information

If you have any questions concerning the implementation of this application, contact the VA Service Desk at 1-855-673-4357 directly or log a ticket via VA YourIT Service Portal application (<https://yourit.va.gov/va>).

7.1 Documentation

No documentation describing the new functionality introduced by this patch is available.