

VistA Integration Adapter (VIA)
VIAB*1*15
Installation, Back-out, and Rollback Plan
RELEASE NOTES



Department of Veterans Affairs
May 2019

Version 0.10

Revision History

Note: The revision history cycle begins once changes or enhancements are requested after the Installation, Back-out, Rollback Plan has been baselined.

Date	Version	Description	Author
March 2017	0.1	Initial Version	<u>REDACTED</u>
March 2017	0.2	Updated for VIAB*1*10	<u>REDACTED</u>
July 2017	0.3	Updated for VIAB*1*11	<u>REDACTED</u>
February 2018	0.7	Updated for VIAB*1*11	<u>REDACTED</u>
February 2018	0.10	Updated for VIAB*1*11	<u>REDACTED</u>
April 2018	0.14	Updated for VIAB*1*11	<u>REDACTED</u>
May 2018	0.15	Updated for VIAB*1*11	<u>REDACTED</u>
May 2018	0.5	Updated for VIAB*1*12	<u>REDACTED</u>
July 2018	0.8	Updated for VIAB*1*12	<u>REDACTED</u>
August 2018	0.2	Updated for VIAB*1*13	<u>REDACTED</u>
March 2019	1.0	Updated for VIAB*1*14	<u>REDACTED</u>
May 2019	1.0	Updated for VIAB*1*15	<u>REDACTED</u>

Artifact Rationale

The Installation, Back-out, Rollback Plan defines the ordered, technical steps required to install the product, and if necessary, to back-out the installation, and to roll back to the previously installed version of the product

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1. Introduction

This document provides installation instructions for VIAB*1*15, as managed through the VistA Integration Adapter project. All installation and back-out instructions must be documented in the Installation Plan, unless the operations shop documents specific tasks in Change Orders in the Change Management system and uses installation scripts to install a product. The Installation Plan always includes details of items that cannot be covered in Change Orders or installation scripts, including the criteria for determining if a back-out is necessary, the authority for making that decision, the order in which installed components will be backed out, the risks and criteria for a rollback, and authority for acceptance or rejection of the risks.

This VIAB patch introduces changes to the legacy VIA package Modules.

APPLICATION/VERSION	PATCH
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VistA Integration Adapter V. 1.0	VIAB*1*15

This patch (VIAB*1*15) is being released in the Kernel Installation and Distribution System (KIDS) distribution.

1.1 Documentation and Distribution

VIAB*1*15 patch is being released via the Kernel Installation and Distribution System (KIDS).

2. System Requirements

There are no hardware interface features introduced with this project.

These enhancements are compatible with existing hardware. No hardware issues are involved with these enhancements.

OPTIONS ASSOCIATED:

<u>OPTION NAME</u>	<u>TYPE</u>	<u>NEW/MODIFIED/DELETED</u>
N/A		

PROTOCOLS ASSOCIATED:

<u>PROTOCOL NAME</u>	<u>NEW/MODIFIED/DELETED</u>
N/A	

SECURITY KEYS SECURITY KEY

N/A

TEMPLATES ASSOCIATED:

<u>TEMPLATE NAME</u>	<u>TYPE</u>	<u>FILE NAME (NUMBER)</u>	<u>NEW/MODIFIED/DELETED</u>
N/A			

REMOTE PROCEDURES ASSOCIATED:

<u>REMOTE PROCEDURE NAME</u>	<u>NEW/MODIFIED/DELETED</u>
N/A	

PARAMETER DEFINITIONS ASSOCIATED:

<u>PARAMETER NAME</u>	<u>NEW/MODIFIED/DELETED</u>
N/A	

ADDITIONAL INFORMATION:

NEW SERVICE REQUESTS (NSRS) :
N/A

PATIENT SAFETY ISSUES (PSIS) :
N/A

DEFECT TRACKING SYSTEM TICKET(S) & OVERVIEW:

1. INC3515187 - D/T DISCHARGE ICONS NOT SHOWING

PROBLEM:

AT TIMES, "D" AND "T" ICONS ARE NOT SHOWING ON THE BED MANAGEMENT SYSTEM (BMS) DASHBOARD AFTER A PATIENT HAS A DISCHARGE OR TRANSFER ORDER PLACED. IT WAS DETERMINED THAT USING THE CLINICAL REMINDERS INDEX, WITH REGARDS TO THE ORDER START DATE, WASN'T A DATETIME VALUE ALL THE TIME. RATHER, START DATE COULD BE DATETIME, OR, DATE ONLY. THESE, DATE ONLY, VALUES WERE NOT PICKED UP BY THE BED MANAGEMENT SYSTEM (BMS) BACKGROUND QUEUES WHEN RUN.

RESOLUTION:

THE LISTORDERS AND LISTORDERACTIONS TARGET OFFRPC IS BEING MODIFIED TO SORT BY DATE/TIME ORDERED AND USE THE "AF" CROSS-REFERENCE ON THE ORDER

FILE FOR LOOKUP.

TEST SITES:

NORTH TEXAS VETERANS SYSTEM INDIANAPOLIS
VA MEDICAL CENTER

SOFTWARE AND DOCUMENTATION RETRIEVAL INSTRUCTIONS:

DOCUMENTATION DESCRIBING THE NEW VISTA HOST FILE CONTAINING A BUILD
MAY BE INCLUDED IN THIS RELEASE.

THE PREFERRED METHOD IS TO RETRIEVE THE FILES FROM
DOWNLOAD.VISTA.MED.VA.GOV. THIS TRANSMITS THE FILES FROM THE FIRST
AVAILABLE SERVER. SITES MAY ALSO ELECT TO RETRIEVE THE FILES
DIRECTLY FROM A SPECIFIC SERVER.

SITES MAY RETRIEVE THE SOFTWARE AND/OR USING SECURE FILE TRANSFER
PROTOCOL (SFTP) FROM THE ANONYMOUS SOFTWARE DIRECTORY AT THE FOLLOWING
OI FIELD OFFICES:

HINES: CHENEVIER SALT LAKE
CITY: UT

DOCUMENTATION CAN ALSO BE FOUND ON THE DOCUMENTATION LIBRARY AT:
HTTP://WWW.VA.GOV/VDL/APPLICATION.ASP?APPID=221

<u>DOCUMENTATION TITLE</u>	<u>FILE NAME</u>	<u>FTP MODE</u>

N/A		

<u>HOST FILE NAME</u>	<u>FTP MODE</u>

N/A	

PATCH INSTALLATION:

PRE/POST INSTALLATION OVERVIEW:
THIS PATCH CONTAINS PRE INSTALLATION INSTRUCTIONS.

PRE-INSTALLATION INSTRUCTIONS:
THIS PATCH MAY BE INSTALLED WITH USERS ON VISTA. THIS PATCH SHOULD
TAKE LESS THAN 5 MINUTES TO INSTALL.

NO MENU OPTIONS NEED TO BE DISABLED.

INSTALLATION INSTRUCTIONS:

1. THIS RELEASE IS PROVIDED USING PACKMAN, FROM THE PACKMAN MESSAGE
CONTAINING THIS BUILD. SELECT THE INSTALL/CHECK MESSAGE PACKMAN
OPTION TO LOAD THE BUILD.
2. FROM THE KERNEL INSTALLATION AND FROM THE MENU, SELECT THE
INSTALLATION MENU. FROM THIS MENU:

- A. SELECT THE VERIFY CHECKSUMS IN TRANSPORT 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 VIAB*1*15.
- B. SELECT THE BACKUP A TRANSPORT GLOBAL CREATE A BACKUP MESSAGE OF ANY ROUTINES EXPORTED WITH THIS PATCH. IT WILL NOT BACKUP ANY OTHER CHANGES SUCH AS DDS OR TEMPLATES.
- C. YOU MAY ALSO ELECT TO USE THE FOLLOWING
 - I. PRINT TRANSPORT GLOBAL - THIS OPTION ALLOW YOU TO VIEW THE COMPONENTS OF THE KIDS BUILD.
 - II. COMPARE TRANSPORT GLOBAL TO CURRENT 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) CHOOSE THE PATCH (VIAB*1*15) TO INSTALL.
 - I. IF PROMPTED 'WANT KIDS TO REBUILD UPON COMPLETION OF INSTALL? YES//', PRESS <ENTER>.
 - II. WHEN PROMPTED 'WANT KIDS TO DURING THE INSTALL? NO//', PRESS <ENTER>.
 - III. WHEN PROMPTED 'WANT TO DISABLE MENU OPTIONS AND PROTOCOLS? NO//', PRESS <ENTER>.
 - A. WHEN PROMPTED 'ENTER OPTIONS MARK AS 'OUT OF ORDER':', PRESS <ENTER>.
 - B. WHEN PROMPTED 'ENTER PROTOCOLS MARK AS 'OUT OF ORDER':', PRESS <ENTER>.
 - C. WHEN PROMPTED 'DELAY INSTALL (0 - 60): ANSWER 0.

POST-INSTALLATION INSTRUCTIONS:

N/A

ROUTINE INFORMATION:

=====

THE SECOND LINE OF EACH OF THESE ROUTINES NOW
;;1.0;VISTA INTEGRATION ADAPTER;**[PATCH

THE CHECKSUMS BELOW ARE AND CAN BE CHECKED WITH CHECK1^XTSUMBLD.

ROUTINE NAME: VIABMS
BEFORE: B223339724 AFTER: B225861141 **8,10,11,15**
ROUTINE NAME: VIABMS4
BEFORE: N/A AFTER: B31028755 **15**

ROUTINE LIST OF PRECEDING PATCHES: 11

=====

REDACTED

=====

3.2. Pre-Installation Instructions

Patch VIAB 1*11 must be installed prior to installation of VIAB 1*15.

This patch may be installed with users on the system. This patch should take less than 5 minutes to install.

No menu options need to be disabled.

3.3. Installation Instructions

INSTALLATION INSTRUCTIONS:

1. THIS RELEASE IS PROVIDED USING PACKMAN, THE PACKMAN MESSAGE CONTAINING THIS BUILD. SELECT THE INSTALL/CHECK MESSAGE PACKMAN OPTION TO LOAD THE BUILD.

2. FROM THE KERNEL INSTALLATION AND ~~FROM~~ MENU, SELECT THE INSTALLATION MENU. FROM THIS MENU:
 - A. SELECT THE VERIFY CHECKSUMS IN ~~TRANSPORT~~ 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 VIAB*1*15.

 - B. SELECT THE BACKUP A TRANSPORT GLOBAL CREATE A BACKUP MESSAGE OF ANY ROUTINES EXPORTED WITH THIS PATCH. IT WILL NOT BACKUP ANY OTHER CHANGES SUCH AS DDS OR TEMPLATES.

 - C. YOU MAY ALSO ELECT TO USE THE FOLLOWING
 - I. PRINT TRANSPORT GLOBAL - THIS OPTION ALLOW YOU TO VIEW THE COMPONENTS OF THE KIDS BUILD.

 - II. COMPARE TRANSPORT GLOBAL TO ~~OPEN~~ 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~~ CHOOSE THE PATCH (VIAB*1*15) TO INSTALL.
 - I. IF PROMPTED 'WANT KIDS TO REBUILD UPON COMPLETION OF INSTALL? YES//', PRESS <ENTER>.

 - II. WHEN PROMPTED 'WANT KIDS TO DURING THE INSTALL? NO//', PRESS <ENTER>.

- III. WHEN PROMPTED 'WANT TO DISABLE MENU OPTIONS AND PROTOCOLS? NO//', PRESS <ENTER>.
- A. WHEN PROMPTED 'ENTER OPTIONS MARK AS 'OUT OF ORDER':', PRESS <ENTER>.
 - B. WHEN PROMPTED 'ENTER PROTOCOLS MARK AS 'OUT OF ORDER':', PRESS <ENTER>.
 - C. WHEN PROMPTED 'DELAY INSTALL (0 - 60): ANSWER 0.

ROUTINE INFORMATION:

=====THE SECOND LINE OF EACH OF NOW LOOKS LIKE:
 ;;1.0;VISTA INTEGRATION ADAPTER; **[PATCH

THE CHECKSUMS BELOW ARE AND CAN BE CHECKED WITH CHECK1 ^XTSUMBLD.

ROUTINE NAME: VIABMS
 BEFORE: B223339724 AFTER: B225861141 **8,10,11,15**
 ROUTINE NAME: VIABMS4

3.4. Post-Installation Instructions

 N/A

3.5. KIDS Installation Example

 SELECT INSTALLATION <TEST ACCOUNT> INSTALL PACKAGE(S)
 SELECT INSTALL NAME: VIAB*1.0*15 3/20/19@08:58:16
 => VIAB*1*15 TEST V1

THIS DISTRIBUTION WAS LOADED ON MAR 20, HEADER OF VIAB*1*15 TEST V1
 IT CONSISTED OF THE FOLLOWING INSTALL(S):

VIAB*1.0*15
 CHECKING INSTALL FOR INSTALL

QUESTIONS FOR

WANT KIDS TO INHIBIT LOGONS DURING THE INSTALL?
 WANT TO DISABLE SCHEDULED OPTIONS, MENU OPTIONS, PROTOCOLS? NO//

ENTER THE DEVICE YOU WANT TO PRINT THE INSTALL
 YOU CAN QUEUE THE INSTALL BY ENTER A Q THE DEVICE
 PROMPT. ENTER A '^' TO ABORT THE INSTALL.

DEVICE: HOME// HOME (CRT)

4. Backout and Rollback Procedure

4.1. Overview of Backout and Rollback Procedures

The rollback plan for VistA applications is complex and not able to be a “one size fits all.” The general strategy for VistA rollback is to repair the code with a follow-on patch. The development team recommends that sites contact Enterprise Service Desk and log a ServiceNow ticket if it is a nationally released patch; otherwise, the site should contact the product development team directly for specific solutions to their unique problems.

4.2. Backout Procedure

During the VistA Installation Procedure of the KIDS build, the installer should have backed up the modified routines by the use of the ‘Backup a Transport Global’ action as specified in the Patch Description Installation Instructions. The installer can restore the routines using the MailMan message that were saved prior to installing the patch. The backout procedure for global, data dictionary and other VistA components is more complex and will require issuance of a follow-on patch to ensure all components are properly removed. All software components (routines and other items) must be restored to their previous state at the same time and in conjunction with restoration of the data. This backout may need to include a database cleanup process.

Please contact the product development team for assistance if the installed patch that needs to be backed out contains anything at all besides routines before trying to backout the patch. If the installed patch that needs to be backed out includes a pre or post install routine please contact the product development team before attempting the backout.

5. Rollback Procedure

The rollback procedure for VistA patches is complicated and may require a follow-on patch to fully roll back to the pre-patch state. This is due to RPCs update and menu options updates.

Please contact the product development team for assistance if needed.

6. RELEASE NOTES

The following features in VIA are affected by this effort:

- The LISTORDERS and LISTORDERACTIONS target of the VIAB BMS RPC
- The CURRENT ACTION field of the Order
- The DATE/TIME ORDERED sub-field of the ORDER ACTION sub-entry of the Order

6.1. LISTORDERS and LISTORDERACTIONS Target of the VIAB BMS RPC

The LISTORDERS and LISTORDERACTIONS target of the VIAB BMS RPC is being modified to sort by the DATE/TIME ORDERED field and use the "AF" cross reference on the ORDER file for lookup.

6.2. CURRENT ACTION Field of the Order

The CURRENT ACTION field of the Order is the only ORDER ACTION sub-entry evaluated.

6.3. DATE/TIME ORDERED Sub-field of the ORDER ACTION Sub-entry of the Order

DATE/TIME ORDERED sub-field of the ORDER ACTION sub-entry of the Order is the field value used between the evaluating BMS start and end times.