



AUTOMATED VISTA MAINTENANCE, The VISTA AUTO PATCH UTILITY (VAPU)

VAPU INSTALLATION GUIDE

Version 1.0

September 2003



Department of Veterans Affairs
Central Alabama Veterans Health Care System (CAVHCS)
System Design & Development

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Installation Guide

I. Overview

Background: Currently multiple system patching is a manual process that is inefficient, unable to satisfactorily maintain collocated systems and is vulnerable to human error.

Plan: The VISTA AUTO PATCH PACKAGE (VAPU) can be standardized on all VISTA Systems; performs all required steps in patch installation; maintains a historical database; and can operate regardless of site size. It is capable of collocation of many systems on one computer system and collocation of many systems on multiple computer systems.

II. Package Integration

Maximum system efficiency, error reduction and simplicity are the hallmarks of the VAPU. It is compatible with VMS/DSM, NT/Cache and VMS/Cache configurations

The following describes the installation environment for VISTA AUTO PATCH UTILITY V 1.0 (VAPU):

VAPU. 1.0 requires that the following VISTA (Veterans Health Information Systems and Technology Architecture) packages must be loaded in order to use the software:

- a. VA FileMan V. 21 or greater,
- b. Kernel V. 8.0 or greater,
- c. Mailman 8.0 or greater

The VISTA AUTO PATCH UTILITY (VAPU) system consists of routines all of which begin with the letters AND. Files have internal numbers of 619066 - 619072 assigned by the Data Base Administrator.

The VISTA AUTOPATCH UTILITY (VAPU) consists of four files in the AND Namespace. They are:

VISTA AUTOPATCH INSTALL MODIFIERS (619070)
VISTA AUTOPATCH PACKAGE MODIFIERS (619072)
VISTA AUTOPATCH SITE PARAMETERS (619066)
VISTA AUTOPATCH FTP SITES (619068)

Two National files Partial DDs are exported:

INSTALL (9.7) -->> 3 Sets of codes added
5. Informational
6. Patch 'IN ERROR'
7. HOLD

PACKAGE (9.4) -->> Field Added

^DIC(9.4,D0,619000)=(#619000) AUTOPATCH ENABLE/DISABLE [1S]^

Routines in the AND Namespace:

ANDAUTO

ANDAUTO2
ANDAFTP
ANDAFTP2
ANDAUTL
ANDAUTOM

Eight Kernel Routines with minimal modifications to screen DIR calls when AUTOPATCHING

<u>EXPORTED AS:</u>	<u>RENAME TO: REMOVING THE AN PREFIX</u>
ANXPDDCS	XPDDCS
ANXPDI	XPDI
ANXPDI1	XPDI1
ANXPDI B	XPDI B
ANXPDI L1	XPDI L1
ANXPDI PM	XPDI PM
ANXPDI Q	XPDI Q
ANXQOO	XQOO

MENU OPTIONS:

1. AND VAPU SITE PARAMETERS
EDIT VAPU SITE PARAMETERS
2. AND VAPU ADD SERVER TO GROUP
EDIT G.PATCH REMOTE MEMBERS
3. AND VAPU EDIT PKG MODS
EDIT VAPU PACKAGE MODIFIERS
4. AND VAPU EDIT INSTALL MODS
EDIT VAPU INSTALL MODIFIERS
5. AND VAPU SEND MODIFIERS
SEND INSTALL MODIFIERS
6. AND VAPU ENABL/DISABL PKG
ENABLE/DISABLE AUTOPATCHING BY PACKAGE
7. AND VAPU MANUAL INSTALL
INSTALL A PATCH MANUALLY

'EDIT VAPU SITE PARAMETERS' Option name: AND VAPU SITE PARAMETERS

Synonym: 1

Use this Option to set up your Site Parameters for Autopatching. This is the first of 3 files that you can edit to adjust your baseline Parameters.

This is the only required parameter setup. The other 2

Files: PACKAGE (9.4) and VISTA AUTOPATCH PACKAGE MODIFIERS (619072) are provided to allow the site to modify install parameters to suit their specific needs. For example file 9.4 can be edited to stop a particular

Package from being AUTOPATCHED and file 619070 can be edited to tell the Autopatcher which (if any) background processes need to be stopped prior to installation of patches for a given PACKAGE. This is explained in detail in Menu Edit options for those respective files.

What this file does:

SITE NAME: CENTRAL-ALABAMA// -->>> YOU SITE NAME (FREE TEXT)
DAYS TO INSTALL: 1// -->> Days in future (from receipt) to INSTALL
SITE INSTALL TIME: 30// -->> MILITARY TIME (lead 00s are stripped)
ENABLE/DISABLE AUTOPATCH: ENABLE// -->> Turn on/off Autopatching
HFS DIRECTORY: \\VHACAVMUL2\TASKMON\ -->> File Directory to store logs.
PATCH INSTALL USER: PATCH,ALPHA T// -->> Must have
@,XUPROG,XUPROGMODE
REBUILD MENUS: NO// -->> Determines if KIDS/AUTOPATCH will rebuild menus
FTP FIELD OFFICE NAME: DOWNLOAD.DOMAIN.EXT// -->> Retrieve FTP
Files from this source.
FTP FILE DIRECTORY: T:\KIDS// -->> Store KIDS DOWNLOADS in this directory.

'EDIT G.PATCH REMOTE MEMBERS' Option name: AND VAPU ADD SERVER TO GROUP

Synonym: 2

This is an EDIT OPTION that allows you to update the REMOTE MEMBERS of the G.PATCH Mail Group. To activate the VISTA AUTOPATCH UTILITY (VAPU) you must add S.ANDAUTO Server option as a REMOTE MEMBER. This is done in addition to ENABLING the VAPU in file VISTA AUTOPATCH SITE PARAMETERS (619066). The S.ANDAUTO should be entered as a REMOTE MEMBER for each MailMan Domain you wish to AUTOPATCH with VAPU.

Additionally you should add G.PATCHES@<REMOTE DOMAIN> for each MailMan Domain your production server serves. Central-Alabama is a merged or integrated facility. The production domain serves or relays messages for DOMAIN.EXT and TEST Domains. Given below are examples of the CAVHCS Production Domain and it's relation to DOMAIN.EXT and TEST through the G.PATCHES Mail Group:

EXAMPLE:

DOMAIN.EXT -->> Production G.PATCHES - REMOTE MEMBERS

REMOTE MEMBER: G.PATCHES@DOMAIN.EXT

REMOTE MEMBER: G.PATCHES@DOMAIN.EXT

REMOTE MEMBER: S.ANDAUTO@DOMAIN.EXT

TEST.DOMAIN.EXT -->TEST System G.PATCHES-REMOTE MEMBERS

REMOTE MEMBER: S.ANDAUTO@DOMAIN.EXT

DOMAIN.EXT -->> LEGACY System G.PATCHES - REMOTE MEMBERS

REMOTE MEMBER: S.ANDAUTO@DOMAIN.EXT

'EDIT VAPU PACKAGE MODIFIERS' Option name: AND VAPU EDIT PKG MODS

Synonym: 3

This option allows you to set default install or PACKAGE MODIFIER

parameters for any package that will be used in the event an INSTALL MODIFIER has not been received. The tasks that the PACKAGE MODIFIER controls are:

Select VISTA AUTOPATCH PACKAGE MODIFIERS PACKAGE NAME: SURGERY
PACKAGE NAME: SURGERY//
STOP TASKMAN:
STOP HL7: NO//
STOP MAILMAN: NO//
STOP BROKER: NO//
INHIBIT LOGONS: NO//
FTP DISTRIBUTION NAME:

'EDIT VAPU INSTALL MODIFIERS' Option name: AND VAPU EDIT INSTALL MODS
Synonym: 4

An INSTALL MODIFIER can be issued for any given patch. As NATIONAL Field Office (NFO) staff prepare to release a PATCH they will send out and INSTALL MODIFIER. The VISTA AUTOPATCH UTILITY receives the INSTALL MODIFIER and sets up the parameters for the install. An INSTALL MODIFIER takes precedence over a PACKAGE MODIFIER with the exception of OPTIONS/PROTOCOLS to take OFFLINE. OPTIONS/PROTOCOLS are merged and all defined are taken OFFLINE during an AUTOINSTALL.

The INSTALL MODIFIER is patch specific whereas the PACKAGE MODIFIER is more general and applies to ALL patches for a PACKAGE.

The significant differences between the INSTALL MODIFIER and the PACKAGE MODIFIER is the ability of the INSTALL MODIFIER to flag a patch as ENTERED IN ERROR or ON HOLD. Sometimes patches get released only to find there are serious enough issues with them that they need to be recalled.

The INSTALL MODIFIER allows NFO Staff to do this without concern that an installer at the site didn't get the recall MailMan message.

NOTE: Although the AUTOINSTALLER won't install a patch ENTERED IN ERROR, it doesn't prevent someone from doing it manually. It is hoped that KIDS will be updated to respect the Patch 'IN ERROR' status flag in the INSTALL (9.7) file that was created by VAPU package.

The next most important thing the INSTALL MODIFIER does is allow NFO to flag an install as a MANUAL INSTALL patch. Patches flagged this way will not be installed by the AUTOINSTALLER. The AUTOINSTALLER does record the Mail Message IEN and any KIDS DISTRIBUTION HOST FILE information to assist Site Staff performing the manual install. Manual Installs are enhanced and will be discussed under the MANUAL INSTALL Option.

As alluded to in the previous paragraph, KIDS DISTRIBUTION HOST FILE information is recorded. This is done by NFO Staff by issuing an INSTALL MODIFIER with the FTP DISTRIBUTION FILENAME: filled in.

The FIELDS that are edited by this option are:
INSTALL NAME: YS*5.01*76//
SEQUENCE #: 66//
DO NOT AUTOINSTALL: MANUAL//
STOP TASKMAN (Yes/No):
STOP HL7:
STOP MAILMAN:
STOP BROKER:
INHIBIT LOGONS:
TAKE OPTIONS/PROTOCOLS OFFLINE:
Select PROTOCOLS TO DISABLE:
Select OPTIONS TO DISABLE:
FTP DISTRIBUTION FILENAME: YS_501_76.KID//
ENTERED IN ERROR FLAG: NO//

'SEND INSTALL MODIFIERS' Option name: AND VAPU SEND MODIFIERS
Synonym: 5

This option encapsulates INSTALL MODIFIERS in a MAILMAN Message for Distribution. By using the DISTRIBUTION that sends all patches to each site's G.PATCHES Mail Group the VAPU receives National Field Office (NFO) instructions automatically just as if it were a patch.

'ENABLE/DISABLE AUTOPATCHING BY PACKAGE' Option name: AND VAPU ENABL/DISABL PKG
Synonym: 6

If you don't want the VAPU to AUTOINSTALL patches for a given PACKAGE use this option to ENABLE/DISABLE it in the PACKAGE (9.4) file. The VAPU always looks at this field prior to installation and acts accordingly.

'INSTALL A PATCH MANUALLY' Option name: AND VAPU MANUAL INSTALL
Synonym: 7

Some patches just can't be performed automatically. The VAPU can still help by consolidating the tasks in one function that interacts with you. Just follow the prompts and answer the questions.

'EDIT EXE LOCATION' Option name: AND VAPU EDIT EXE LOCATION
Synonym: 8

VAPU performs OS Level commands to execute FTP Service and retrieve files. In order to do this VAPU needs a little information.

For VMS sites VAPU needs the BATCH QUEUE NAME. For example Charleston's Test System BATCH QUEUE is 534T02\$BATCH. Each Site and each system to be patched will have a different name. If you do not have a BATCH QUEUE your VMS Manager will need to set one up for this portion of VAPU to work.

For CACHE/NT sites you will need the full path of the CACHE Volume for the system being AutoPatched.

- i. Most CACHE Production Systems are; Y:\ROU\
- ii. Most CACHE Test Systems are; Y:\TST\

III. Package Initialization/Conversion Time Estimates

The following information was derived from our alpha and beta sites. The information presented are averages. Actual times may vary depending on system utilization. The total install process not including the conversion takes on average one hour or less.

<u>Step</u>	<u>MSM</u>	<u>VAX</u>
Load Install	2 min	3 min

IV. VAPU Installation

General Steps to Install and Set Up the VISTA AUTOPATCH UTILITY (VAPU)

- 1) Using MailMan Packman functions load the KIDS Mail Distribution
- 2) Using the KIDS Install Option Menus, Verify Checksums
- 3) Using the KIDS Install Option Menus, Install the Package
- 4) From the Programmer Prompt Rename the following Routines:

a. ANXPDDCS	to→	XPDDCS
b. ANXPDI	to→	XPDI
c. ANXPDI1	to→	XPDI1
d. ANXPDIB	to→	XPDIB
e. ANXPDIL1	to→	XPDIL1
f. ANXPDIPM	to→	XPDIPM
g. ANXPDIQ	to→	XPDIQ
h. ANXQOO	to→	XQOO
- 1) Using the VAPU Main Menu [AND VAPU MAIN MENU], select Menu 1; EDIT VAPU SITE PARAMETERS [AND VAPU SITE PARAMETERS]. Fill in each field when prompted. Although the Data Dictionaries aren't set to Mandatory the package won't function without error without each field defined.
- 2) Using VAPU Menu Option; EDIT G.PATCH REMOTE MEMBERS [AND VAPU ADD SERVER TO GROUP], add the S.ANDAUTO option as a REMOTE MEMBER. NOTE: G.PATCHES Mail Group should be in the parent Domain REMOTE MEMBER list for any Sub-Domain that will be AutoPatched.
- 3) The minimum requirements for VAPU Operation have been completed to enable KIDS MailMan Distributions for Auto Install. NOTE: FTP HFS DISTRIBUTIONS are more involved and will be discussed in steps below.
- 4) Packages are disabled by default! To Enable a Package for AutoPatching use VAPU Option; ENABLE/DISABLE AUTOPATCHING BY PACKAGE [AND VAPU ENABL/DISABL PKG]
- 5) Optionally you may set up PACKAGE MODIFIERS for any Package to tell the VAPU how you want to treat Installations for a given Package. To do this use VAPU Menu Option; EDIT VAPU PACKAGE MODIFIERS [AND VAPU EDIT PKG MODS]

FTP KIDS HOST FILE RETRIEVAL AND INSTALLATION:

- 1) VAPU Employs an INSTALL MODIFIER concept that works in conjunction with KIDS. Receipt of an INSTALL MODIFIER from the National Patch Distribution System is what tells VAPU the conditions it is to perform an Install. In particular for a Host File Distribution the INSTALL MODIFIER tells VAPU the KIDS HOST FILE DISTRIBUTION Name. Once it knows the Name VAPU knows to go retrieve the .KID file from National FTP Software sites.
- 2) Before any of this can happen a little careful attention is required.
 - a. VMS Sites must know the BATCH QUEUE for the system to be patched and must specify it by using the VAPU Menu Option;
 - b. CACHE/NT Sites must know the directory and volume name for each system being patched and must specify it using the VAPU Menu Option;

- i. Most CACHE Production Systems are; Y:\ROU\
- ii. Most CACHE Test Systems are; Y:\TST\
- iii. Must copy supplied batch file into this directory.

We recommend that you install VISTA AUTO PATCH UTILITY first in a training or test account. Orient your users to the differences they will see in options as a result of Automated VISTA PATCH UTILITY. Make sure all of the set-up works as intended and your users are familiar with the changes before you install into production.

1. Do ^XUP and select the Kernel Installation & Distribution System.

>D ^XUP

Setting up programmer environment

Access Code:

Terminal Type set to: C-VT100

Select OPTION NAME: **KERNEL INSTALLATION & DISTRIBUTION** XPD MAIN Kernel
Installation & Distribution System

Edits and Distribution ...

Utilities ...

Installation ...

Select Installation & Distribution System Option: **Installation**

2. Select the Installation menu option, then select the Load a Distribution option. At the prompt "Enter a Host File:" enter your directory name and the filename **ANDA*1.0*1**.

Select Installation & Distribution System Option: **Installation**

Load a Distribution

Print Transport Global

Compare Transport Global to Current System

Install Package(s)

Restart Install of Package(s)

Unload a Distribution

Backup a Transport Global

Select Installation Option: **L** Load a Distribution

Load Install: ANDA*1.0*1

3. Run the option "Verify Checksums in Transport Global" to verify that all routines have the correct checksum. If there are any discrepancies, do not run the Install Package(s) option. Instead, run the Unload a Distribution option to remove the Transport Global from your system. Call your IRM Field Office and report the problem.

4. From the Installation Menu on the KIDS menu, run the option "Install Package(s)." Select the package 'VISTA AUTO PATCH UTILITY 1.0*1' and proceed with the install

If the installation aborts, run the Unload a Distribution option to remove the

Transport Global from your system. Enter the name of each package separately when prompted for package name (i.e., VISTA AUTO PATCH UTILITY, etc.). Call your IRM Field Office and report the problem.

Select Installation & Distribution System Option: **Installation**

- Load a Distribution
- Print Transport Global
- Compare Transport Global to Current System
- Install Package(s)
- Restart Install of Package(s)
- Unload a Distribution
- Backup a Transport Global

Select Installation Option: **INSTALL PACKAGE(S)**

Select INSTALL NAME: VISTA AUTO PATCH UTILITY 1.0*1

When asked if you wish to disable options,

Installation Capture Example

FROM KIDS INSTALLATION MENU

LOAD PACKAGE: **ANDA*1.0*1**

Select Installation Option: **Install Package(s)**

Select INSTALL NAME: **ANDA*1.0*1** Loaded from Distribution 9/3/03@10:57:44

=> VISTA AUTOPATCH UTILITY AND*1.0*1

This Distribution was loaded on Sep 03, 2003@10:57:44 with header of
VISTA AUTOPATCH UTILITY AND*1.0*1

It consisted of the following Install(s):

ANDA*1.0*1

Checking Install for Package ANDA*1.0*1

Install Questions for ANDA*1.0*1

Incoming Files:

9.4 PACKAGE

Note: You already have the 'PACKAGE' File.

9.7 INSTALL

Note: You already have the 'INSTALL' File.

619066 AUTOPATCH VISTA SITE PARAMETERS

Want KIDS to Rebuild Menu Trees Upon Completion of Install? YES// **NO**

Want KIDS to INHIBIT LOGONs during the install? YES// **NO**
Want to DISABLE Scheduled Options, Menu Options, and Protocols? YES// **NO**

Enter the Device you want to print the Install messages.
You can queue the install by enter a 'Q' at the device prompt.
Enter a '^' to abort the install.

DEVICE: HOME// VIRTUAL TELNET DEVICE

Install Started for ANDA*1.0*1 :
Sep 03, 2003@10:59:23

Build Distribution Date: Sep 03, 2003

Installing Routines:
Sep 03, 2003@10:59:24

Installing Data Dictionaries:
Sep 03, 2003@10:59:25

Installing PACKAGE COMPONENTS:

Installing OPTION
Sep 03, 2003@10:59:25

Updating Routine file...

Updating KIDS files...

ANDA*1.0*1 Installed.
Sep 03, 2003@10:59:25

Install Completed

Completes Installation



AUTOMATED VISTA MAINTENANCE, The VISTA AUTO PATCH UTILITY (VAPU)

USER MANUAL

Version 1.0

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Introduction

Background: Currently multiple system patching is a manual process that is inefficient, unable to satisfactorily maintain collocated systems and is vulnerable to human error.

Plan: The VISTA AUTO PATCH PACKAGE (VAPU) can be standardized on all VISTA Systems; performs all required steps in patch installation; maintains a historical database; and can operate regardless of site size. It is capable of collocation of many systems on one computer system and collocation of many systems on multiple computer systems.

The following functions are automated:

- tests to determine if the message is from Forum
- tests to determines if the message is a KIDS message
- tests to determines if the previous message sequence is installed; if test fails will auto re-queue and install once conditions are met
- tests to inhibit logons
- tests to take Mailman off-line
- tests to take Kernel Task Manager off-line
- tests to take HL7 off-line
- tests to take Broker off-line
- tests to disable options and protocols.
- loads the KIDS Mail Distribution
- verifies checksums
- performs backup
- installs
- brings back online anything it took offline.
- FTP File retrieval of KIDS Distribution
- Flags patches released in error
- Flags patches as on hold
- Provides developer tool to guide the auto install
- Provides site installer a tool to control auto patch install
- Logs activity

VAPU depends on rigid sequencing of patch installations, therefore efficiency is increased as informational patches are distributed by KIDS and a Sequence entry is created under File Comments.

The following safeguards are inherent in the VAPU:

- assumes Class I software has not been modified by the site. Sites with modified packages that they do not want AutoPatched should disable the subject Package in the Package file.
- flexibility to disable a package from auto-install through an added field in the package file
- parameters are defined in an auto-patch site parameter file that contains the number of days to install, time to install, a host file directory that includes install log files, and an enable/disable auto-patcher
- if a patch errors out a mail message is generated as well as a recording in the Host File log.

The simplicity of the VAPU requires minimal training for the end user, however there are several questions asked of the developer prior to Patch Release. The answers to these questions are then added to the Install Modifier file for transmission to the site. Its simplicity is further exemplified in that all actions are explained in Alert messages and Install Log files; no additional support or backup is required. Complete implementation time is minimal (2 hours or less) and the option to implement incrementally until a level of confidence is attained exists. The new field in the Package file must be edited for each entry to enable it. By default the KIDS install will export as Disabled. The VAPP, Site File must also be edited to Enable the package and define default site install times.

Limitations:

- The VAPU will not install patches that ask questions during the pre or post install, as the answers are unknown. These patches must be flagged “manual install” by the developers prior to release.
- A PATCHES Mail group must exist on each system to be auto-patched (this mail group currently exists on VISTA systems).
- A IRM Mail group must exist on each system to be autopatched.

Orientation

On-Line Help

When the format of a response is specific, there usually is a HELP message provided for that prompt. HELP messages provide lists of acceptable responses or format requirements which provide instruction on how to respond.

A HELP message can be requested by typing a "?" or "??". The HELP message will appear under the prompt, then the prompt will be repeated. For example, perhaps you see the prompt *FACILITY TREATING SPECIALTY:* and you need assistance answering.

You enter ? and the HELP message would appear.

Enter the TREATING SPECIALTY assigned to this patient with this movement.

This must be an active treating specialty.

Answer with FACILITY TREATING SPECIALTY NAME

FACILITY TREATING SPECIALTY:

For some prompts, the system will list the possible answers from which you may choose. Anytime choices appear with numbers, the system will usually accept the number or the name. A HELP message may not be available for every prompt. If you enter a "?" or "??" at a prompt that does not have a HELP message, the system will repeat the prompt.

VISTA Auto Patch Utility Menu

- 1 EDIT VAPU SITE PARAMETERS
- 2 EDIT G.PATCH REMOTE MEMBERS

- 3 EDIT VAPU PACKAGE MODIFIERS
- 4 EDIT VAPU INSTALL MODIFIERS
- 5 SEND INSTALL MODIFIERS
- 6 ENABLE/DISABLE AUTOPATCHING BY PACKAGE
- 7 INSTALL A PATCH MANUALLY
- 8 EDIT EXE LOCATION

1. Select VAPU MAIN MENU Option: **1 EDIT VAPU SITE PARAMETERS**

VAPU Site Parameter option is used to enter or edit the site-specific VAPU parameters. The initial setup is required as a part of the install of VAPU.

Only holders of security key VAPU SUPERVISOR may access this option.

SITE NAME: CENTRAL-ALABAMA//
 ENABLE/DISABLE AUTOPATCH: ENABLE//
 PATCH INSTALL USER: PATCH,ALPHA T//
 DAYS TO INSTALL: 1//
 SITE INSTALL TIME: 30//
 REBUILD MENUS: NO//
 FTP FIELD OFFICE NAME: FTP.DOMAIN.EXT//
 FTP FILE DIRECTORY: T:\KIDS//
 INFORMATIONAL MAIL GROUP: IRM//

2. Select VAPU MAIN MENU Option: **2 EDIT G.PATCH REMOTE MEMBERS**

EDITING PATCHES Mail Group - REMOTE MEMBERS:
 Select REMOTE MEMBER: S.ANDAUTO@DOMAIN.EXT //

3. Select VAPU MAIN MENU Option: **3 EDIT VAPU PACKAGE MODIFIERS**

Select VISTA AUTOPATCH PACKAGE MODIFIERS PACKAGE NAME: LAB SERVICE
 PACKAGE NAME: LAB SERVICE//
 STOP TASKMAN:
 STOP HL7:
 STOP MAILMAN:
 STOP BROKER:
 INHIBIT LOGONS:
 FTP DISTRIBUTION NAME:
 Select PROTOCOLS TO DISABLE:
 Select OPTIONS TO DISABLE:
 TAKE OPTIONS/PROTOCOLS OFFLINE:

4. Select VAPU MAIN MENU Option: **4 EDIT VAPU INSTALL MODIFIERS**

Select VISTA AUTOPATCH INSTALL MODIFIERS INSTALL NAME: HL*1.6*107
INSTALL NAME: HL*1.6*107//
SEQUENCE #: 90//
DO NOT AUTOINSTALL: MANUAL//
STOP TASKMAN (Yes/No): NO//
STOP HL7: NO//
STOP MAILMAN: NO//
STOP BROKER: NO//
INHIBIT LOGONS: NO//
TAKE OPTIONS/PROTOCOLS OFFLINE:
Select PROTOCOLS TO DISABLE:
Select OPTIONS TO DISABLE:
FTP DISTRIBUTION FILENAME:
ENTERED IN ERROR FLAG: NO//

5. Select VAPU MAIN MENU Option: 5 SEND INSTALL MODIFIERS

Select VISTA AUTOPATCH INSTALL MODIFIERS INSTALL NAME: HL*1.6*107
Send mail to: CROSS,PATRICIA// CROSS,PATRICIA
Select basket to send to: IN//
And Send to:

6. Select VAPU MAIN MENU Option: 6 ENABLE/DISABLE AUTOPATCHING BY PACKAGE

Select PACKAGE NAME: KERNEL XU
AUTOPATCH ENABLE/DISABLE: DISABLED//

7. Select VAPU MAIN MENU Option: 7 INSTALL A PATCH MANUALLY

Select VISTA AUTOPATCH INSTALL MODIFIERS INSTALL NAME: HL*1.6*107
INSTALL NAME: HL*1.6*107//
SEQUENCE #: 90//
DO NOT AUTOINSTALL: MANUAL//
STOP TASKMAN (Yes/No): NO//
STOP HL7: NO//
STOP MAILMAN: NO//
STOP BROKER: NO//
INHIBIT LOGONS: NO//
TAKE OPTIONS/PROTOCOLS OFFLINE:
Select PROTOCOLS TO DISABLE:
Select OPTIONS TO DISABLE:
FTP DISTRIBUTION FILENAME:
ENTERED IN ERROR FLAG: NO//

THIS INSTALL HAS A STATUS OF 3 Install Completed
Do you want to continue? (Y/N) ? N// O

1. Processing View Alerts

Select MailMan Menu Option: va View Alerts

1. Install HL*1.6*107 MM: 4965332 Must be INSTALLED MANUALLY
- 2.I 4965332 Released HL*1.6*107 SEQ #90 TSK: 26062 Has been queued for INS
Select from 1 to 2
or enter ?, A, I, D, F, S, P, M, R, or ^ to exit: 1

Would you like to **MANUALLY INSTALL** NOW? Y// y YES

INSTALL NAME: HL*1.6*107//
SEQUENCE #: 90//
DO NOT AUTOINSTALL: MANUAL//
STOP TASKMAN (Yes/No): NO//
STOP HL7: NO//
STOP MAILMAN: NO//
STOP BROKER: NO//
INHIBIT LOGONS: NO//
TAKE OPTIONS/PROTOCOLS OFFLINE:
Select PROTOCOLS TO DISABLE:
Select OPTIONS TO DISABLE:
FTP DISTRIBUTION FILENAME:
ENTERED IN ERROR FLAG: NO//
Line 122 Message #4965332 Unloading KIDS Distribution HL*1.6*107
HL*1.6*107

Loading Distribution...

HL*1.6*107

YOU GOT THE SHAFT

NOW LET'S LOOK AT THOSE KIDS CHECKSUMS

Select INSTALL NAME: HL*1.6*107 Loaded from Distribution 9/15/03@10:55:2

1
=> Released HL*1.6*107 SEQ #90

This Distribution was loaded on Sep 15, 2003@10:55:21 with header of

Released HL*1.6*107 SEQ #90
It consisted of the following Install(s):
HL*1.6*107
DEVICE: HOME// VIRTUAL TELNET DEVICE

2 Routine checked, 0 failed.

WERE CHECKSUMS OK? ? Y// ES

Okay then let's back up the ROUTINES!!
Select INSTALL NAME: HL*1.6*107 Loaded from Distribution 9/15/03@10:55:2

1
=> Released HL*1.6*107 SEQ #90

This Distribution was loaded on Sep 15, 2003@10:55:21 with header of
Released HL*1.6*107 SEQ #90
It consisted of the following Install(s):
HL*1.6*107
Subject: Backup of HL*1.6*107 install on Sep 15, 2003
Replace
Loading Routines for HL*1.6*107..
Send mail to: CROSS,PATRICIA// CROSS,PATRICIA
Select basket to send to: IN//
And Send to: PATCH,ALPHA T INFORMATION RESOURCE MGMT
Last used MailMan: 09/15/03@10:49 (Surrogate: ASH,THOMAS E)
IRM PATCH HOLDER
And Send to:

BACKING UP ROUTINES

OKAY!! It's time to INSTALL!! This is your last chance to ABORT!!!
Is everything OK and shall I continue? ? Y// ES
Select INSTALL NAME: HL*1.6*107 Loaded from Distribution 9/15/03@10:55:2

1
=> Released HL*1.6*107 SEQ #90

This Distribution was loaded on Sep 15, 2003@10:55:21 with header of
Released HL*1.6*107 SEQ #90
It consisted of the following Install(s):

```
HL*1.6*107
Checking Install for Package HL*1.6*107
```

Install Questions for HL*1.6*107

Want KIDS to INHIBIT LOGONs during the install? YES// NO
 Want to DISABLE Scheduled Options, Menu Options, and Protocols? YES// NO

Enter the Device you want to print the Install messages.
You can queue the install by enter a 'Q' at the device prompt.
Enter a '^' to abort the install.

[illegible][illegible]

Install Started for HL*1.6*107 :
Sep 15, 2003@10:56:17

Build Distribution Date: May 13, 2003

Installing Routines:
Sep 15, 2003@10:56:17

Updating Routine file...

Updating KIDS files...

HL*1.6*107 Installed.
Sep 15, 2003@10:56:17

Install Completed

IT APPEARS THE INSTALL WAS UNSUCCESSFUL!!!!

1. HL*1.6*107 Has an Install Status INSTALLED SUCCESSFULLY!!!
2. Install HL*1.6*107 MM: 4965332 Must be INSTALLED MANUALLY
- 3.I 4965332 Released HL*1.6*107 SEQ #90 TSK: 26062 Has been queued for INS
Select from 1 to 3

8. Select VAPU MAIN MENU Option: 8 EDIT EXE LOCATION

EXECUTABLE LOCATION: Y:\ROX\//

Glossary

VAPU	VISTA Automated Patch Utility
VISTA	Veterans Health Information Systems and Technology Architecture