



**Automated Medical Information Exchange  
(AMIE) V. 2.7**

**Server Side Modifications for  
AMIE II/CAPRI**

**Installation Guide/Release Notes**

Patch DVBA\*2.7\*35

June 2001

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# Installation Guide

## I. INTRODUCTION

This manual provides details on the preparation for, and installation of, Patch DVBA\*2.7\*35 (SERVER SIDE MODIFICATIONS FOR AMIE II/CAPRI GUI) software. The Compensation & Pension Record Interchange (CAPRI) Project is a One VA cooperative effort with objectives of creating, testing, and nationally implementing a graphical user interface to enhance the retrieval and dissemination of data from **VISTA** AMIE II menu options.

This installation is a virgin install. It will bring in the necessary (M)umps Remote Procedure Calls to support the CAPRI GUI /Client software.

This patch provides updates to the AMIE software only. There are no changes to any other **VISTA** applications.

## II. PRE-INSTALLATION

### Server

The following package versions (or higher) must be installed prior to loading the CAPRI server software.

<u>Application Name</u>	<u>Minimum Version or Patch</u>	<u>Checked for in build DVBA*2.7*35</u>
AMIE	V2.7	Yes
CPRS	V1.0	No
RPC Broker	V1.1	No

### Client

The CAPRI GUI/Client software will be distributed by VBA Hines to the appropriate VARO sites. The CAPRI GUI/Client software will not be distributed to local VHA field sites and does not require installation on the local **VISTA** workstation.

### III. INSTALLATION ACTIVITIES

#### Server

The *VISTA* server portion of the CAPRI application is distributed in a PackMan message through the National Patch Module. The KIDS build is DVBA\*2.7\*35.

- AMIE Users can be on the system and working during this installation.
  - The installation of the server software takes less than 5 minutes.
- 1) Send the PackMan patch message to the account in which you wish to install the build. Use the 'INSTALL/CHECK MESSAGE' option from the PackMan menu. This will load the PackMan KIDS build.
  - 2) From the Kernel Installation and Distribution System menu, select the installation menu.
  - 3) You may now elect to use the following options (when prompted for INSTALL NAME, enter DVBA\*2.7\*35).
    - a) Backup a Transport Global – This option will create a backup message of any routines exported with the patch. It will NOT backup any changes such as DDs or templates.
    - b) Compare Transport Global to Current System – This option will allow you to view all changes that will be made when the patch is installed. It compares all components of the patch (routines, DDs, templates, etc.).
    - c) Verify Checksums in Transport Global – This option will allow you to ensure the integrity of the routines that are in the transport global.
  - 4) Use the Install Package(s) option and select package DVBA\*2.7\*35.
  - 5) The install will ask if you wish to rebuild menu trees. It is recommended that you answer NO to this prompt. The trees will be rebuilt next time the system performs this task.
  - 6) When prompted 'Want KIDS to INHIBIT LOGONs' during the install? YES//, it is recommended that you answer NO.
  - 7) When prompted 'Want to DISABLE Scheduled Options, Menu Options, and Protocols? YES//', answer NO.
  - 8) At the 'Enter the Device you want to print the Install Messages' prompt, you can direct output to your desired device.

## ***Sample Server Install***

KIDS Kernel Installation & Distribution System

Edits and Distribution ...  
Utilities ...  
Installation ...

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

- 1 Load a Distribution
- 2 Verify Checksums in Transport Global
- 3 Print Transport Global
- 4 Compare Transport Global to Current System
- 5 Backup a Transport Global
- 6 Install Package(s)  
Restart Install of Package(s)  
Unload a Distribution

Select Installation Option: **6 Install Package(s)**

Select INSTALL NAME: **DVBA\*2.7\*35** Loaded from Distribution 4/9/01@16:21  
=> DVBA\*2.7\*35

This Distribution was loaded on Apr 09, 2001@16:21 with header of  
DVBA\*2.7\*35

It consisted of the following Install(s):  
DVBA\*2.7\*35

Checking Install for Package DVBA\*2.7\*35

Will first run the Environment Check Routine, DVBA35P

Install Questions for DVBA\*2.7\*35

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// **<RET>**

Install Started for DVBA\*2.7\*35 :  
Apr 09, 2001@16:21

Build Distribution Date: Apr 09, 2001

Installing Routines:  
Apr 09, 2001@16:21

Installing PACKAGE COMPONENTS:

Installing REMOTE PROCEDURE

Installing OPTION

DVBA\*2.7\*35

-----  
Apr 09, 2001@16:21

Running Post-Install Routine: POST^DVBA35P

>> starting Post-installation for DVBA\*2.7\*35

2507 REQUEST FILE (#396.3) History retention updated to 365 days

>> Post-installation completed

Updating Routine file...

Updating KIDS files...

DVBA\*2.7\*35 Installed.

Apr 09, 2001@16:21

Install Message sent #3468525

-----  
100% |-----+  
Complete | 25 50 75 |

Install Completed

## ***Routine Checksums***

The following is a list of the routine(s) included in this patch. The second line of each of these routine(s) will look like:

```
<tab>;;2.7;AMIE; **[patch list]**;Apr 10, 1995
```

Routine name	CHECK^XTSUMBLD results		Patch List
	Before Patch	After Patch	
=====	=====	=====	=====
DVBA35P	N/A	7674345	35
DVBAB1	N/A	6540543	35
DVBAB2	N/A	11422836	35
DVBAB3	N/A	2390164	35
DVBAB4	N/A	9073986	35
DVBAB5	N/A	1762227	35
DVBAB51	N/A	14170056	35
DVBAB52	N/A	8119229	35
DVBAB53	N/A	11588177	35
DVBAB54	N/A	8601558	35
DVBAB56	N/A	11788450	35
DVBAB57	N/A	7035974	35
DVBAB58	N/A	4410506	35
DVBAB6	N/A	23090459	35
DVBAB67	N/A	12253136	35
DVBAB68	N/A	8303178	35
DVBAB70	N/A	21756045	35
DVBAB71	N/A	12765699	35
DVBAB9	N/A	10403184	35
DVBAB96	N/A	17420589	35
DVBAB97	N/A	5230871	35
DVBAB98	N/A	9679435	35
DVBAB99	N/A	8542026	35

## ***Connection with the RPC Broker***

In order for the VBA to connect, each site will need to inform the CAPRI Project of the site's method of accessing the RPC Broker.

E-mail the Project **on completion of CAPRI Installation** at [VHACAPRIProduct@med.va.gov](mailto:VHACAPRIProduct@med.va.gov) with the following:

- Preferred method of accessing the RPC Broker at site (e.g., DNS entry or IP address)
- DNS entry
- IP address
- Port # (normally 9200)

## **Client**

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## **IV. POST-INSTALLATION ACTIVITIES**

### **User Access to CAPRI**

CAPRI users without the @ sign and programmer access will have to be assigned an option context to use an option. The security aspect of CAPRI is that it looks for option context DVBA CAPRI GUI in the user's menu structure (part of a primary menu or on a secondary menu). So if the option is not assigned in some fashion, the user will get a message that they do not have access to CAPRI.

There are two ways to grant a user access to CAPRI.

- You can add CAPRI GUI Broker [DVBA CAPRI GUI] as an ITEM in the OPTION file on a user's assigned primary menu.
- You can place CAPRI GUI Broker [DVBA CAPRI GUI] on a user's individual secondary menu.



# Release Notes

## I. USER RELEASE NOTES

### CAPRI Overview

Compensation & Pension Record Interchange (CAPRI) is a Graphic User Interface (GUI) for **VISTA** Automated Medical Information Exchange (AMIE II) menu options. The CAPRI Project is a One VA cooperative effort with objectives of creating, testing, and nationally implementing a graphical user interface to enhance the retrieval and dissemination of data from **VISTA** AMIE II menu options.

### CAPRI Health Summary

Health Summaries are customized reports comprised of **VISTA** components specified by end users.

The St. Petersburg VARO, in cooperation with VISN 8, has developed a Health Summary type named VARO Rating. This name was specified by Rating Specialists to facilitate their work process. VBA prefers the name VARO Rating Health. However, the name is optional.

This Health Summary uses a number of nationally-named components. The *Summary Order* is used to determine the order of display for each component. *Occurrence Limit* and *Time Limit* are used to set parameters for the amount of data displayed – i.e., **either** a maximum of the last 10 occurrences displayed **or**, if less than 10 occurrences, all occurrences over the last 5 years.

The response to the *Suppress Print of Components Without Data* prompt determines if the name of the component will be displayed when no data is found.

While the Health Summary is compiling (when run to the screen in both GUI and Roll & Scroll), the screen display will freeze until compiling is complete. Depending on the volume of data being retrieved, the screen display may freeze anywhere from 5 to 75 seconds.

Use of this Health Summary is determined by local policies.

# Release Notes

## I. USER RELEASE NOTES

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## *Creating CAPRI Health Summary*

From the Health Summary Enhanced Menu, select the **Create/Modify Health Summary Type** option [GMTS TYPE ENTER/EDIT].

Select Health Summary Type: **VARO RATING**

Are you adding 'VARO RATING' as a new HEALTH SUMMARY TYPE? No// **YES**

NAME: VARO RATING// **<RET>**

TITLE: **VARO RATING**

SUPPRESS PRINT OF COMPONENTS WITHOUT DATA: **NO**

LOCK: **<RET>**

OWNER: {UserName}// **<RET>**- *This will be the name of the user building the report. Some users may not be able to edit this field.*

Do you wish to copy COMPONENTS from an existing Health Summary Type? YES// **NO**

Select COMPONENT: **DEM**

SUMMARY ORDER: 5// **<RET>**

HEADER NAME: Demographics// **<RET>**

Select COMPONENT: **RI** (RADIOLOGY IMPRESSION)

SUMMARY ORDER: 10// **<RET>**

OCCURRENCE LIMIT: **10**

TIME LIMIT: **5Y**

HEADER NAME: Imaging Impression// **<RET>**

Select COMPONENT: **CVF** (MAS CLINIC VISITS FUTURE)

SUMMARY ORDER: 15// **<RET>**

HEADER NAME: Clinic Visits, Fut// **<RET>**

Select COMPONENT: **CVP** (MAS CLINIC VISITS PAST)

SUMMARY ORDER: 20// **<RET>**

OCCURRENCE LIMIT: **100**

TIME LIMIT: **5Y**

HEADER NAME: Clinic Visits, Past// **<RET>**

Select COMPONENT: **ADC** (ADMISSION/DISCHARGE)

SUMMARY ORDER: 25// **<RET>**

OCCURRENCE LIMIT: **100**

TIME LIMIT: **5Y**

HEADER NAME: Admission/Discharge// **<RET>**

Select COMPONENT: **DCS** (DISCHARGE SUMMARY)

SUMMARY ORDER: 30// **<RET>**

OCCURRENCE LIMIT: **20**

TIME LIMIT: **5Y**

HEADER NAME: Discharge Summary// **<RET>**

Select COMPONENT: **PN** (PROGRESS NOTES)  
 SUMMARY ORDER: 35// **<RET>**  
 OCCURRENCE LIMIT: **500**  
 TIME LIMIT: **5Y**  
 HEADER NAME: Progress Notes// **<RET>**

Select COMPONENT: **SR** (SURGERY REPORTS)  
 SUMMARY ORDER: 40// **<RET>**  
 OCCURRENCE LIMIT: **10**  
 TIME LIMIT: **5Y**  
 HEADER NAME: Surgery Rpt (OR/NON) Replace **<RET>**

Select COMPONENT: **MEDF** (MEDICINE FULL REPORT)  
 SUMMARY ORDER: 45// **<RET>**  
 OCCURRENCE LIMIT: **10**  
 TIME LIMIT: **5Y**  
 CPT MODIFIERS DISPLAYED: **YES**  
 HEADER NAME: Med Full Report// **<RET>**

Select COMPONENT: **<RET>**

Do you wish to review the Summary Type structure before continuing? NO// **YES**

Health Summary Type Inquiry

Type Name: VARO RATING  
 Title: VARO RATING  
 Owner: {User Name}

SUPPRESS PRINT OF COMPONENTS WITHOUT DATA: NO

Abb.	Order	Component Name	Max Occ	Time	Hosp Loc	ICD Text	Prov Narr	Selection
DEM	5	Demographics						
RI	10	Imaging Impression	10	5Y				
CVF	15	Clinic Visits, Fut						
CVP	20	Clinic Visits, Past	100	5Y				
ADC	25	Admission/Discharge	100	5Y				
DCS	30	Discharge Summary	20	5Y				
PN	35	Progress Notes	500	5Y				
SR	40	Surgery Rpt (OR/NON)	10	5Y				
MEDF	45	Med Full Report	10	5Y				

\* = Disabled Components

Select Component:

## *Adding CAPRI Health Summary to CPRS GUI for Display*

The health summaries visible within CAPRI are now the same as in the CPRS GUI. At most hospitals, this listing is controlled by the Clinical Application Coordinator (CAC). The CAC, IRM, or person responsible for the GUI Health Summary setup will need to add the new VARO RATING summary to the CPRS Health Summary parameters in order for it to be used in CAPRI.

From the GUI Parameters Menu [ORW PARAM GUI], select the **GUI Health Summary Types** option [ORW HEALTH SUMMARY TYPES].

Allowable Health Summary Types may be set for the following:

2	User	USR	[choose from NEW PERSON]
4	System	SYS	[NASHVILLE.VA.GOV]

Enter selection: **4** System NASHVILLE.VA.GOV

*Whether the site will add the new health summary to the user or system level parameter is a local decision. By adding it at the system level, all users will be able to access the new health summary without needing to add it to each Regional Office user. This will require less set-up. If you choose to add it to each user, you will have to repeat this process for every user who needs to use the health summary.*

---- Setting Allowable Health Summary Types for System: NASHVILLE.VA.GOV ---  
Select Sequence: **200**

*The sequence selected will determine where in the list the health summary appears. Most sites alphabetize their listing.*

Are you adding 200 as a new Sequence? Yes// **YES**

Sequence: 200// **<RET>**  
Health Summary: **VARO RATING**  
Select Sequence: **<RET>**

## **Purging C&P Exam Results**

Currently, Rating Specialists are not able to review C&P exam results that are older than 60-90 days, since the exam results are usually purged from the *VISTA* system within that time frame. Therefore, it is not possible for a Rating Specialist to use CAPRI to “mark” a C&P exam as “insufficient” that is older than 60-90 days.

The loading of patch DVBA\*2.7\*35 will set the number of days to keep C&P exam results to 365 days if this figure is currently less than 365 days. Should the number of days already be set to a higher number, no action will be taken. It will use the post-install routine of the patch to set the DAYS TO KEEP 2507 HISTORY field (#11) of the AMIE SITE PARAMETER file (#396.1) to a value of 365. The local *VISTA* site may modify the purge criteria based on local records processing and maintenance practice in accordance with VHA Patient Record Retention Regulations.

## II. TECHNICAL RELEASE NOTES

### Server Software Components

This patch introduces the (M)umps server software to support **VISTA** patient data access by the CAPRI GUI/Client software and provides no new or enhanced functionality to the **VISTA** system. The technical components included in this patch are as follows.

- Post Installs

Routine: DVBA35P

The post-install will also update the value of the AMIE SITE PARAMETER (#396.1) file, DAYS TO KEEP 2507 HISTORY (#.11) field to '365' days.

- Menu Options

The following menu option will be added.

Name: DVBA CAPRI GUI

Menu Text: CAPRI GUI (Broker)

Type: Broker (Client/Server)

Description: This is the 'B' type option used by the CAPRI GUI client application. It contains all the RPCs used by the CAPRI GUI application.

- Remote Procedures

The following Remote Procedure calls are exported with this patch.

DVBAB 2507 PENDING REPORT

Generates report based on status of 2507 requests.

DVBAB AMIS REPORT

Returns AMIS report for specified search criteria.

DVBAB APPOINTMENT LIST

Returns list of past, future, or all appointments.

DVBAB CHECK CREDENTIALS

Verifies user has been granted access to AMIE II/CAPRI.

DVBAB DATETIME

Returns the current date/time from **VISTA**.

#### DVBAB DIVISION

Returns division name.

#### DVBAB FIND EXAMS

Lists all of the patient's AMIE II C&P exam requests whether complete, new, or pending.

#### DVBAB HEALTH SUMMARY TEXT

Retrieves the report text for a report selected on the Report tab.

#### DVBAB INCREASE EXAM COUNT

Used to record the number of exams pending for a specified patient.

#### DVBAB INST LIST

Returns list of institutions.

#### DVBAB LABLIST

Returns a list of the site's laboratory test names.

#### DVBAB PENDING C&P REPORT

Generates a report containing the pending C&P exam requests.

#### DVBAB PTINQ

Returns a patient inquiry text report.

#### DVBAB REPORT 7131INQ

Returns a 7131 inquiry report.

#### DVBAB REPORT ADMINQ

Returns an admission inquiry report for the specified date range.

#### DVBAB REPORT ADMISSIONS

Generates an admission report for the specified date range.

#### DVBAB REPORT CHECKLIST

Generates an exam worksheet.

#### DVBAB REPORT CPDETAILS

Returns a detailed summary of a specific C&P request.

#### DVBAB REPORT DISCHARGE

Generates a discharge report.

#### DVBAB REPORT EXAM CHKLIST

Generates an exam worksheet.



#### DVBAB REPORT INCOMPVET

Generates an incompetent veteran report.

#### DVBAB REPORT LISTS

Returns a list of reports, Health Summary types, and date ranges that can be displayed at the workstation.

#### DVBAB REPORT PENDING7131

Generates a list of pending 7131 requests.

#### DVBAB REPORT READMIT

Generates a readmission report.

#### DVBAB SC VETERAN REPORT

Generates a service-connected veterans report.

#### DVBAB SEND MSG

Used to generate e-mail messages for specific CAPRI actions, such as changing a C&P exam request.

#### DVBAB VERSION

Used to ensure GUI and **VISTA** are on the same version of CAPRI.