



# **INTAKE AND OUTPUT INSTALLATION GUIDE**

Version 4.0

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Department of Veterans Affairs  
Software Service  
Clinical Support Product Line



# Table of Contents

Overview .....	1
Intake/Output V. 4.0 Installation .....	3
Example - Intake and Output Installation (Non-virgin install) .....	4
Post Initialization Tasks .....	8
File Security.....	8

Table of Contents

# Installation Guide

## Overview

- In the Package (#9.4) file, this application is known as Gen. Med. Rec. - I/O. The package namespace is GMRY.
- Nursing V. 4.0, Intake and Output V. 4.0, and Vitals/Measurements V. 4.0 are distributed together and their functionality is linked together. You should install these three packages one immediately after the other in the following order:
  1. Intake and Output V. 4.0
  2. Vitals/Measurements V. 4.0 (refer to the Vitals/Measurements Installation Guide)
  3. Nursing V. 4.0 (refer to the Nursing Installation Guide)

- The following describes the installation environment for Version 4.0 of the Intake and Output package:

Intake and Output V. 4.0 requires that the following *VISTA* (Veterans Health Information Systems and Technology Architecture) packages must be loaded for the installation to proceed:

- a. VA FileMan V. 21 or greater,
  - b. Kernel V. 8.0 or greater,
  - c. Kernel Toolkit V. 7.3 or greater,
  - d. PIMS (MAS) V. 5.3 or greater,
  - e. Inpatient Medications V. 4.5 or greater (optional).
- Sites having made any local modifications to verified Intake and Output routines and/or data dictionaries may have such modifications overwritten. The convention for locally modified or developed routines is to have them stored as namespace\_Z (i.e., GMRYZ\*) routines. The convention for adding fields to the database is that such field numbers are prefixed with the station number followed by three or more other numbers (e.g. 578xxx). Local changes that comply with these conventions are not overwritten during this installation.
  - Resource Requirements
    1. Data Entry and Printer Devices:

The minimal hardware requirements for input and output devices are dependent upon the location in which patient care is provided and the quality of reports generated.

Input devices: In an inpatient setting, there should be a sufficient number of data input devices at the point of care, in the nurse's station, physician offices, and conference rooms. Ambulatory Care settings should provide input devices at the point of care, physician offices, conference rooms, and reception areas.

Output devices: There should be minimally one to two laser printers on an inpatient unit to support this application. Ambulatory care area should have a printer in both the reception area and a centralized location in each clinic.

## 2. Disk Storage:

The following statistics regarding the disk storage requirements of the Intake and Output software were compiled by the Alpha/Beta test sites.

<u>Globals</u>	<u>Type of Data</u>	<u>Size</u>
DDs		90 k
GMR	Patient data for the Text Generator, Vitals/Measurements and Intake and Output Modules	5-20 k/ patient
GMRD	Static data for the Text Generator, Vitals/Measurements and Intake and Output Modules	20 k depending on the global efficiency

## Intake/Output V. 4.0 Installation

1. Before installation of the Intake and Output software:
  - a. Coordinate the installation with the package ADPAC.
  - b. Schedule downtime with the users of the package. Since the installation will put the GMRY namespace options out-of-service for the duration of the install, the system does not have to be down during the installation.
  - c. Backup the system.
  - d. Disable routine mapping and journaling if appropriate. MSM sites should not turn journaling off, but should monitor journal space being used during the installation.
  - e. Set variables DUZ and DUZ(0)="@" by executing the following command D ^XUP.
2. (Optional) Sites may delete any old intake/output routines (GMRY\*), not including local routines GMRYZ\*, from the system.

## Example - Intake and Output Installation (Non-virgin install)

> D ^XUP

Setting up programmer environment  
Terminal Type set to: **C-VT100**

Select OPTION NAME: **XPD MAIN**                   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: **LOAD** a Distribution  
Enter a Host File: **GMR4.KID**

KIDS Distribution saved on Feb 07, 1997@12:27:30  
Comment: GEN. MED. REC. - I/O 4.0

This Distribution contains Transport Globals for the following Package(s):  
GEN. MED. REC. - I/O 4.0

Want to Continue with Load? YES// <RET>  
Loading Distribution...

Want to RUN the Environment Check Routine? YES// <RET>  
GEN. MED. REC. - I/O 4.0  
Will first run the Environment Check Routine, GMR4XENV

Use INSTALL NAME: **GEN. MED. REC. - I/O 4.0** to install this Distribution.

- 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: **GEN. MED. REC. - I/O 4.0**                      Loaded from Distributio  
n 2/7/97@12:31:01  
=> GEN. MED. REC. - I/O 4.0 ;Created on Feb 07, 1997@12:27:30

This Distribution was loaded on Feb 07, 1997@12:31:01 with header of  
GEN. MED. REC. - I/O 4.0 ;Created on Feb 07, 1997@12:27:30  
It consisted of the following Install(s):  
GEN. MED. REC. - I/O 4.0

GEN. MED. REC. - I/O 4.0

Install Questions for GEN. MED. REC. - I/O 4.0

126            GMRV PATIENT I/O FILE  
Note: You already have the 'GMRV PATIENT I/O FILE' File.

126.56        GMRV INPUT TYPE (including data)  
Note: You already have the 'GMRV INPUT TYPE' File.  
Data will NOT be added.

126.58        GMRV OUTPUT TYPE (including data)  
Note: You already have the 'GMRV OUTPUT TYPE' File.  
Data will NOT be added.

126.6         GMRV OUTPUT SUBTYPE (including data)  
Note: You already have the 'GMRV OUTPUT SUBTYPE' File.  
Data will NOT be added.

126.7         GMRV IV SITE (including data)  
Note: You already have the 'GMRV IV SITE' File.  
Data will NOT be added.

126.72        GMRV IV SITE DESCRIPTION (including data)  
Note: You already have the 'GMRV IV SITE DESCRIPTION' File.  
Data will NOT be added.

126.74        GMRV IV CATHETER (including data)  
Note: You already have the 'GMRV IV CATHETER' File.  
Data will NOT be added.

126.76        GMRV IV DC'ED REASON (including data)  
Note: You already have the 'GMRV IV DC'ED REASON' File.  
Data will NOT be added.

126.8         GMRV INTAKE ITEMS (including data)  
Note: You already have the 'GMRV INTAKE ITEMS' File.  
Data will NOT be added.

## Installation Guide

126.9 GMRV NUR IV SOLUTION (including data)

Note: You already have the 'GMRV NUR IV SOLUTION' File.  
Data will NOT be added.

126.95 GMRV NUR SHIFT/OTHER (including data)

Note: You already have the 'GMRV NUR SHIFT/OTHER' File.  
Data will NOT be added.

Want to overwrite the package's file security codes? ?

Answer NO if you do not want to change the file security codes.  
Answer YES to overwrite the package's file security codes with mine.

Want to overwrite the package's file security codes? **YES**

Want to DISABLE Scheduled Options, Menu Options, and Protocols? YES// <RET>

Enter options you wish to mark as 'Out Of Order': <RET>

Enter protocols you wish to mark as 'Out Of Order': <RET>

Delay Install (Minutes): (0-60): 0// <RET>

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// **Enter appropriate device**

Install Started for GEN. MED. REC. - I/O 4.0 :  
Feb 07, 1997@12:32:41

Installing Routines:  
Feb 07, 1997@12:32:58

Running Pre-Install Routine: ^GMRVXPRE

Installing Data Dictionaries:  
Feb 07, 1997@12:33:25

Installing Data:  
Feb 07, 1997@12:33:26

Installing PACKAGE COMPONENTS:

Installing OPTION  
Feb 07, 1997@12:34:02

Running Post-Install Routine: ^GMRVXPOS

Setting Intake/Output file security...

Updating Routine file...

Updating KIDS files...

GEN. MED. REC. - I/O 4.0 Installed.  
Feb 07, 1997@12:34:22..

Install Message sent #7914

Install Completed

## Post Initialization Tasks

1. There are no security keys exported with the Intake and Output software.
2. There are no routines that need to be mapped.
3. The following globals should be journaled and appear in the UCI translation table for each CPU: GMR\*
4. Move the GMRY\* routines onto all appropriate systems, if applicable.
5. For information on assigning menus, refer to page 1.3 in Chapter 1 Implementation and Maintenance of the Intake and Output User Manual.

## File Security

NUMBER	NAME	GLOBAL NAME	DD ACC	RD ACC	WR ACC	DEL ACC	LAY ACC
126	GMRY PATIENT I/O FILE	^GMR(126,	@		@	@	@
126.56	GMRY INPUT TYPE	^GMRD(126.56,	@		@	@	@
126.58	GMRY OUTPUT TYPE	^GMRD(126.58,	@		@	@	@
126.6	GMRY OUTPUT SUBTYPE	^GMRD(126.6,	@		@	@	@
126.7	GMRY IV SITE	^GMRD(126.7,	@		@	@	@
126.72	GMRY IV SITE DESCRIPTION	^GMRD(126.72,	@		@	@	@
126.74	GMRY IV CATHETER	^GMRD(126.74,	@		@	@	@
126.76	GMRY IV DC'ED REASON	^GMRD(126.76,	@		@	@	@
126.8	GMRY INTAKE ITEMS	^GMRD(126.8,	@		@	@	@
126.9	GMRY NUR IV SOLUTION	^GMRD(126.9,	@		@	@	@
126.95	GMRY NUR SHIFT/OTHER	^GMRD(126.95,	@		@	@	@