

**VistA VIC 4.0/CAC**

INSTALLATION GUIDE

MPIF\*1.0\*56

May 2012

Department of Veterans Affairs

Product Development

Table of Contents

[1. Purpose 1](#_Toc364757281)

[2. Scope 1](#_Toc364757282)

[3. Pre-Installation Considerations 1](#_Toc364757283)

[4. Minimum Required Packages 1](#_Toc364757284)

[5. Required Patches 2](#_Toc364757285)

[6. Software Retrieval 2](#_Toc364757286)

[7. Installation 2](#_Toc364757287)

[7.1. Pre-Post Installation Overview 2](#_Toc364757288)

[7.2. Installation Steps 3](#_Toc364757289)

[7.2.1. Installing the MPIF\*1.0\*56 Patch 3](#_Toc364757290)

[7.3. Post-Install/Setup Steps 6](#_Toc364757291)

[7.3.1. Set up the Web Server and Web Services 6](#_Toc364757292)

[7.3.2. Editing the Web Server and Assigning Web Services 7](#_Toc364757293)

[7.3.3. Web Server and Web Services Post-Installation Check 9](#_Toc364757294)

# Purpose

This Installation Guide explains how to install patch MPIF\*1.0\*56 software and set up the Web Server and Services necessary for the Veterans Health Information Systems and Technology Architecture (VistA) -to- Master Veteran Index (MVI) interface. The intended audience for this document is the Information Resources Management Service (IRMS) staff.

# Scope

MPIF\*1.0\*56 provides the functionality needed to interface VHA VistA software to the MVI for Primary View (PV) lookup and data retrieval during registration of a patient using the new Veteran Identification Card (VIC 4.0) or Department of Defense’s Common Access Card (CAC).

MPIF software will provide the interface using Health*e*Vet Web Services (HWSC) to obtain initial patient information when a patient has never been treated at the local VA facility and their VIC 4.0 card is swiped or scanned or their CAC card is scanned during the registration process. This VistA-to-MVI interface will send and parse eXtensible Markup Language (XML) messages.

# Pre-Installation Considerations

**NOTE: MPIF\* patches should NOT be installed on legacy systems to avoid issues with the legacy systems ending up as Treating Facilities.**

# Minimum Required Packages

This MPIF patch can only be run with a standard Massachusetts General Hospital Utility Multi-Programming System (MUMPS) operating system and requires the following Department of Veterans Affairs (VA) software packages.

|  |  |
| --- | --- |
| **Package** | **Minimum Version Needed** |
| Master Patient Index VistA (MPIF) | 1.0 |
| VA FileMan | 22.0 |
| Kernel | 8.0 |
| Health*e*Vet Web Service Client (HWSC) | 1.0 |

The above software must be installed for this patch to be installed.

# Required Patches

Patches MPIF\*1.0\*54 and MPIF\*1.0\*55 must be installed prior to installation of MPIF\*1.0\*56.

# Software Retrieval

The files for this patch can be obtained from the ANONYMOUS.SOFTWARE directory at one of the OI Field Offices. The preferred method is to FTP the file from REDACTED., which will transmit the file from the first available server. Alternatively, sites may elect to retrieve the file from a specific OI Field Office.

OI FIELD OFFICE FTP ADDRESS DIRECTORY
----------------------- ------------------------------------------ ------------------------
Albany REDACTED anonymous.software
Hines REDACTED anonymous.software
Salt Lake City REDACTED anonymous.software

Below is a list of the files related to this patch that will need to be downloaded.

File Name Contents Retrieval (Format)
------------------------- ------------------------ ---------------
MPIF\_1\_56.ZIP Files indicated below: Binary
- MPIF\_1\_56.KID KIDS Installation Build (KIDS)
- PSIMWSEXECUTE.WSDL WSDL (XML)
- MPIF\_1\_56IG.PDF Install Guide (PDF)

# Installation

|  |  |
| --- | --- |
| **Warning Installation Restrictions:** | It is recommended both patches DG\*5.3\*857 and MPIF\*1.0\*56 be installed at the same time to ensure the functionality. There is no required install order between the two patches but their functionality does depend on each other being installed. Since the DG patch does affect ALL patient look-up processes at the site, we suggest it be installed after business hours. One should not Queue the Install for a later time because of the requirements of the WSDL file. Installation should take no longer than 10 minutes. |
| yellow triangle with an exclamation point inside |

## Pre-Post Installation Overview

The installation steps are outlined below:

1. Retrieve the ZIP file MPIF\_1\_56.zip and extract all of the files.
2. Place the PSIMWSEXECUTE.WSDL file in the Default Directory for Host File System (HFS), as stated in the Kernel System Parameter (#8989.3) file, which is usually the USER$:[TEMP] folder on the VistA server. If using an FTP utility to place the PSIMWSEXECUTE.WSDL file, please ensure that you have selected ASCII mode for the transfer.
3. Place the MPIF\_1\_56.KID in an appropriate directory on the VistA server. If using an FTP utility to place the KIDS file, please ensure that you have selected ASCII mode for the transfer.
4. Install the MPIF\*1.0\*56 patch. For additional information, please refer to Section *7.2.1 Installing the MPIF\*1.0\*56 Patch*.
5. Set up the Web Server and Web Services. This will allow VistA to make the XML request to the MVI system. For additional information, please refer to Section *7.2.2 Set up the Web Server and Web Services*.

During the patch installation the environment check routine MPIFHWSC checks for the existence of the WSDL in the Kernel Default Directory. If it doesn’t exist, the install will not be permitted.

The POST-INIT routine POST^MPIFHWSC imports the WSDL file into the HWSC package.

## Installation Steps

Installation includes two main steps:

* Installing the MPIF\*1.0\*56 Patch.
* Set up the Web Server and Web Services.

### Installing the MPIF\*1.0\*56 Patch

1. Start up KIDS. Select the Kernel Installation and Distribution System Menu [XPD MAIN] option.

|  |
| --- |
|  Edits and Distribution ... Utilities ... Installation ... Patch Monitor Main Menu ... |

1. Select the Installation option.

|  |
| --- |
| 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 |

1. Select Load Distribution and enter the host file name.

|  |
| --- |
| Select Installation Option: **Load a Distribution**Enter a Host File: **USER$:[HFS]MPIF\_1\_56.KID**KIDS Distribution saved on Jan 13, 2012@09:34:21Comment: MPIF\*1\*56 VIC 4.0/CACThis Distribution contains Transport Globals for the following Package(s):Build MPIF\*1.0\*56 |

1. Answer YES to want to continue with load.

|  |
| --- |
| Want to Continue with Load? YES// **YES**Loading Distribution... |

1. Answer YES to want to RUN the environment check routine.

|  |
| --- |
| Build MPIF\*1.0\*56 has an Environmental Check RoutineWant to RUN the Environment Check Routine? YES// **YES** MPIF\*1.0\*56Use INSTALL NAME: MPIF\*1.0\*56 to install this Distribution. |

1. Install the package.

|  |
| --- |
|  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 DistributionSelect Installation Option: **Install Package(s)** |

1. Enter the package name.

|  |
| --- |
| Select INSTALL NAME: **MPIF\*1.0\*56** Loaded from Distribution 1/23/11@12:19:53 => MPIF\*1\*56 VIC 4.0/CAC ;Created on Jan 13, 2012@09:34:21This Distribution was loaded on Jan 13, 2012@12:19:53 with header of  MPIF\*1\*56 ;Created on Jan 13, 2012@09:34:21 It consisted of the following Install(s): MPIF\*1.0\*56Checking Install for Package MPIF\*1.0\*56Will first run the Environment Check Routine, MPIFHWSC |

1. Answer NO to rebuild menu trees.

|  |
| --- |
| Want KIDS to Rebuild Menu Trees Upon Completion of Install? NO// <RET> |

1. Answer NO to not inhibit logons.

|  |
| --- |
| Want KIDS to INHIBIT LOGONs during the install? NO// **NO** |

1. Answer NO to not disable scheduled, menu options and protocols.

|  |
| --- |
| Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//**NO**  |

1. Enter the device name you want to print the install messages.

|  |
| --- |
| 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//COMPUTER ROOM Install Started for MPIF\*1.0\*56 :  Aug 2, 2012@12:26:06  Build Distribution Date: Aug 2, 2012  Installing Routines: Aug 2, 2012@12:26:06  Running Post-Install Routine: POST^MPIFHWSCCompilation started on 08/02/2012 12:29:44 with qualifiers 'dk'Compiling class MPIPSIM.PSIMWebServicePort Compiling routine MPIPSIM.PSIMWebServicePort.1Compiling class MPIPSIM.PSIMWebServicePort.execute Compiling routine MPIPSIM.PSIMWebServicePort.execute.1Compilation finished successfully in 3.073s. o WEB SERVICE 'MPI\_PSIM\_EXECUTE' addition/update succeeded.  >>> MPI\_PSIM\_EXECUTE entry added to WEB SERVICE file #18.02  - Be sure and set up the Web Server as in the post-install instructions!!.  Updating Routine file...  Updating KIDS files...  MPIF\*1.0\*56 Installed.  Aug 2, 2012@12:26:06Install Complete |

Receiving the above message during install indicates the installation of MPIF\*1.0\*56 is complete.

## Post-Install/Setup Steps

### Set up the Web Server and Web Services

|  |  |
| --- | --- |
| **Warning**  | **Setup Restrictions:**Sites should NOT set up Web Services in their test account. The remaining setup instructions are for Production systems only. This patch should not be installed in legacy accounts. |
| yellow triangle with an exclamation point inside |

After patch MPIF\*1.0\*56 is installed, you must create the Web Server and Services to allow VistA to make the requests as follows:

1. Enter or modify the Web Service entry in the WEB SERVICE (#18.02 ) file. This is done through the XOBW WEB SERVER MANAGER (Web Server Manager) menu option:

|  |
| --- |
| **Web Server Manager** Aug 02, 2012@12:44:41 Page: 1 of 1  HWSC Web Server Manager Version: 1.0 Build: 31 ID Web Server Name IP Address or Domain Name:Port \_\_\_\_ Legend: \*Enabled AS Add Server TS (Test Server)ES Edit Server WS Web Service ManagerDS Delete Server CK Check Web Service AvailabilityEP Expand Entry LK Lookup Key ManagerSelect Action:Quit// **WS** Web Service Manager |

1. Select WS Web Service Manager.

|  |
| --- |
| **Web Service Manager** Aug 02, 2012@12:44:44 Page: 1 of 1  HWSC Web Service Manager Version: 1.0 Build: 31 ID Web Service Name Type URL Context Root  1 MPI\_PSIM\_EXECUTE SOAP psim\_webservice/PSIMWebService  Enter ?? for more actions AS Add ServiceES Edit ServiceDS Delete ServiceEP Expand EntrySelect Action:Quit//  |

1. You should see the MPI\_PSIM\_EXECUTE in the list, there may be others previously setup on your system.

### Editing the Web Server and Assigning Web Services

After verifying the Web Service is present as a result of the install, you must enter the Web Server and assign the Web Service to the server. In this case, the MPI\_PSIM\_EXECUTE server must be entered from the Web Server manager and Web services should be assigned as shown in the screens that follow.

|  |
| --- |
| **Web Server Manager** Jan 23, 2010@12:53:14 Page: 1 of 1  HWSC Web Server Manager Version: 1.0 Build: 31 ID Web Server Name IP Address or Domain Name:Port\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Legend: \*Enabled AS Add Server TS (Test Server)ES Edit Server WS Web Service ManagerDS Delete Server CK Check Web Service AvailabilityEP Expand Entry LK Lookup Key ManagerSelect Action:Quit// **AS** Add Server  |
| Select WEB SERVER NAME: MPI\_PSIM\_EXECUTE Are you adding 'MPI\_PSIM\_EXECUTE' as a new WEB SERVER (the 1ST)? No// y (Yes)NAME: MPI\_PSIM\_EXECUTE// SERVER: REDACTEDPORT: 80//REDACTEDDEFAULT HTTP TIMEOUT: 30// STATUS: E ENABLEDSecurity Credentials====================LOGIN REQUIRED: NO Authorize Web Services======================Select WEB SERVICE: MPI\_PSIM\_EXECUTE  Are you adding 'MPI\_PSIM\_EXECUTE' as  a new AUTHORIZED WEB SERVICES (the 1ST for this WEB SERVER)? No// Y (Yes) STATUS: E ENABLEDSelect WEB SERVICE: |

The MPI\_PSIM\_EXECUTE server has an Internet Protocol (IP) address and a port number. Be sure and enter the server name and port number exactly as provided to ensure communications.

Using the Web Server Manager option, check the setup of the MPI\_PSIM\_EXECUTE Web Server by entering EP (Expand Entry) and select the MPI\_PSIM\_EXECUTE server. The system should have the following data associated with it:

|  |
| --- |
| =============================================================================== 1 \*MPI\_PSIM\_EXECUTE REDACTED:REDACTED -------------------------------------------------------------------------------NAME: MPI\_PSIM\_EXECUTE PORT: REDACTED SERVER: REDACTED STATUS: ENABLED DEFAULT HTTP TIMEOUT: 30 LOGIN REQUIRED: NOWEB SERVICE: MPI\_PSIM\_EXECUTE STATUS: ENABLED-------------------------------------------------------------------------------Lookup keys associated with server: <No lookup keys associations>=============================================================================== Enter RETURN to continue or '^' to exit:  |
|  |
|  |

The name of the server, MPI\_PSIM\_EXECUTE, and its respective service, MPI\_PSIM\_EXECUTE, must remain static. These names are used in the interface code to access the correct Web server and services.

### Web Server and Web Services Post-Installation Check

After successfully setting up the Web Server and Web Services, the user can test the communication by selecting the CK--Check Web Service Availability option as shown in the next two screens:

|  |
| --- |
| **Web Server Manager** May 04, 2012@15:52:55 Page: 1 of 1  HWSC Web Server Manager Version: 1.0 Build: 31 ID Web Server Name IP Address or Domain Name:Port 1 \*MPI\_PSIM\_EXECUTE REDACTED:REDACTED  Legend: \*Enabled AS Add Server TS (Test Server)ES Edit Server WS Web Service ManagerDS Delete Server CK Check Web Service AvailabilityEP Expand Entry LK Lookup Key ManagerSelect Action:Quit// **CK** Check Web Service Availability Select Web Server: (1-1): **1...** |

|  |
| --- |
| **Web Service Availability** May 04, 2012@15:53:53 Page: 1 of 1Web Server:  1 \*MPI\_PSIM\_EXECUTE REDACTED:REDACTED \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  1 MPI\_PSIM\_EXECUTE is available  Enter ?? for more actions  ActionsSelect Action:Quit// |