Department of Veterans Affairs

VHA Point Service (Kiosks) Phase II

Enhancement VPS\*1.0\*10

**Installation Guide**



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# Orientation

## How to Use this Manual

This manual provides instructions on the use of VPS\*1.0\*10 remote procedure calls (RPC) to access Veterans Health Information Systems and Technology Architecture (VistA) as a data source for VHA Point Service (Kiosks).

## Intended Audience

The intended audience of this manual is the following stakeholders:

* Product Development (PD) VistA legacy development teams.
* Information Resource Management (IRM) system administrators at Department of Veterans Affairs (VA) sites who are responsible for computer management and system security on VistA M Servers.
* Information Security Officers (ISOs) at VA sites responsible for system security.
* Health Product Support (HPS) Information Technology (IT) Specialists who provide application support to VA end-users.

## Legal Requirements

There are no special legal requirements involved in the use of VPS\*1.0\*10 RPCs.

### Disclaimers

This manual provides an overall explanation of VPS\*1.0\*10 installation. This guide does not attempt to explain how the overall VistA programming system is integrated and maintained.

DISCLAIMER: The appearance of any external hyperlink references in this manual does not constitute endorsement by the Department of Veterans Affairs (VA) of this Website or the information, products, or services contained therein. The VA does not exercise any editorial control over the information you may find at these locations. Such links are provided and are consistent with the stated purpose of this VA Intranet Service.

### Documentation Conventions

The following symbols are used throughout this document to alert the reader to special information.

 **NOTE/REF:** Used to denote general information including references to additional reading material.

 **CAUTION / RECOMMENDATION / DISCLAIMER:** Used to caution the reader to take special notice of critical information.

Snapshots of computer online displays (screen captures) and computer source code are shown in non-proportional font and are enclosed within a box. User responses to displayed only prompts are ***bold italic***typeface. Software reserved words are displayed in **bold** font**.**

References to “<**Enter**>” within the screen captures indicate that the user should press the <**Enter**> key on the keyboard. Other special keys are represented within < > angle brackets and indicate the user should press the indicated key on the keyboard. For example, <PF1> directs the user to press the PF1 key on the keyboard.

The following conventions are used to display test data:

* Social Security Numbers (SSN) for test patients are prefixed with five zero digits e.g. 000009999.
* Patient names are formatted as [Application Name]PATIENT,[N] e.g. VPSPATIENT, ONE.
* User names are formatted as [Application Name]USER[N] e.g. VPSUSER, ONE.

 This guide refers to the M programming language as M. Under the 1995 American National Standards Institute (ANSI) standard, M is the primary name of the MUMPS programming language, and MUMPS is considered an alternate name.

## Commonly Used Terms

Table 1: Commonly used VPS\*1\*10 Terms

| Term | Description |
| --- | --- |
| Client | A single term used interchangeably to refer to a user, the workstation (i.e., PC), and the portion of the program that runs on the workstation. |
| Component | A software object that contains data and code. A component may or may not be visible. |
| GUI | The Graphical User Interface application that is developed for the client workstation. |
| Host | The term Host is used interchangeably with the term Server. |
| Server | The computer where the data and the RPC Broker remote procedure calls (RPCs) reside. |

## Technical Information Online

Project documentation for VPS Kiosks may be found in the Technical Services Project Repository (TSPR). Other online technical information from M Server-based software file, routine and global documentation may be generated using Kernel, MailMan and VA FileMan utilities.

## Help Prompts

There are no online help prompts provided for VPS\*1.0\*10.

## Data Dictionary

Technical information on VistA M Server-based files and files is stored in the VA FileMan Data Dictionary. The VA FileMan List File Attributes option on the Data Dictionary Utilities submenu may be used to view the attributes of VistA M Server files.

## Assumptions

This guide is written with the assumption that the reader is familiar with:

* Kernel – VistA M Server software
* Remote Procedure Call (RPC) Broker – VistA Client/Server software
* VA FileMan data structures and terminology – VistA M Server software
* Microsoft Windows
* M programming language

## References

The following references support the reader’s understanding of the operation and functioning of VPS\*1.0\*10:

* *VPS Technical Guide*
* *RPC Broker Release Notes*
* *RPC Broker Developer’s Guide*
* *RPC Broker Systems Management Guide*
* *RPC Broker TCP/IP Supplement, Patch XWB\*1.1\*35 and XWB\*1.1\*44*
* *RPC Broker Technical Manual*
* *RPC Broker User Guide*
* *Department of Veterans Affairs Veterans Point Service (VPS) FY15 OIT PD BRD Business Requirements Document, Version 4, (May 2015)*
* *20090210 VHA Point-of-Service Initiative BRD*

These references are available from the VA Software Document Library (VDL) Website: (<http://www.va.gov/vdl/>).

# Preliminary Considerations

## VistA M Server Requirements

The following minimum software tools are required on your VistA M Server in order to install and use VPS\*1.0\*10

Table 2Minimum Server Requirements VistA M Server

| ITEM | PACKAGE | VERSION |
| --- | --- | --- |
| Server Operating System | InterSystems Caché | NT and OpenVMS |
| VistA Legacy Software | Kernel | 8.0 |
| Kernel Toolkit | 7.3 |
| VA FileMan | 22.0 |
| RPC Broker | 1.1 |
| CPRS | 30 |

# Installation

This patch is to be installed on VistA system and must be installed by the compliance date to conform to VHA Directive 2001-023.

This patch may be loaded while VHA Point Service is active.

## Installation Prerequisites

This patch requires patch VPS\*1.0\*2 VPS\*1.0\*4, VPS\*1.0\*3, and VPS\*1.0\*5 to be installed before installing this patch, VPS\*1.0\*10.

To install this patch, you will need to download the VPS\*1.0\*10 KIDS package from VPS FTP sites to a local storage location.

## Installation of KIDS Package

1. Access the **Kernel Installation and Distribution System Menu** [XPD MAIN]
2. Run the **Installation** option [XPD INSTALLATION MENU]
3. Load the KIDS file by performing the following steps:
   1. Run the **Load a Distribution** option [XPD LOAD DISTRIBUTION] to load the KIDS distribution.
   2. When prompted, enter the path and file name ***VPS1\_0P10.KID*** of the patch VPS\*1.0\*10 KIDS file that you downloaded from the VPS FTP server.
   3. When prompted to continue with the load, enter ***YES***. A Distribution OK! Message will be displayed when the load is complete.
4. After loading the KIDS file, use the following options to verify the contents of the patch and to back up any affected routines.

* Verify Checksums in Transport Global [XPD PRINT CHECKSUM] – run this option to verify the integrity of the routine in the patch.
* Compare Transport Global to Current System [XPD COMPARE TO SYSTEM] – run this option to view all changes that will be made when the patch is installed. All components (routines, RPCs, and so on) in the patch will be compared.
* Backup a Transport Global [XPD BACKUP] – run this option to create a backup message of any routines exported with the patch. It will NOT backup any of the other changes.

1. After performing the load and any optional verification steps, perform the following steps to install the KIDS file:
   1. Run the Install Package(s) [XPD INSTALL BUILD] option.
   2. When prompted for the install name, enter ***VPS\*1.0\*10***.
   3. Answer NO to the following prompts

Want KIDS to INHIBIT LOGONs during the install? NO//

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

Figure 1: Inhibit Logon Prompt

## Sample KIDS Installation

Select Installation <TEST ACCOUNT> Option: 1  Load a Distribution

Enter a Host File: /home/xxxx117/ ***VPS1\_0P10.KID***

KIDS Distribution saved on Sep 04, 2015@12:16:28

Comment: MODIFIED

This Distribution contains Transport Globals for the following Package(s):

Build VPS\*1.0\*10 has been loaded before, here is when:

      VPS\*1.0\*10   Install Completed

                   was loaded on Aug 06, 2015@10:34:53

      VPS\*1.0\*10   Install Completed

                   was loaded on Aug 13, 2015@14:02:53

      VPS\*1.0\*10   Install Completed

                   was loaded on Sep 04, 2015@12:19:54

OK to continue with Load? NO// y  YES

Distribution OK!

Want to Continue with Load? YES// y  YES

Loading Distribution...

   VPS\*1.0\*10

Use INSTALL NAME: VPS\*1.0\*10 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 <TEST ACCOUNT> Option: 6  Install Package(s)

Select INSTALL NAME: vps\*1.0\*10      9/15/15@13:59:20

     => MODIFIED  ;Created on Sep 04, 2015@12:16:28

This Distribution was loaded on Sep 15, 2015@13:59:20 with header of

   MODIFIED  ;Created on Sep 04, 2015@12:16:28

   It consisted of the following Install(s):

     VPS\*1.0\*10

Checking Install for Package VPS\*1.0\*10

Install Questions for VPS\*1.0\*10

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

Want KIDS to INHIBIT LOGONs during the install? NO//

Want to DISABLE Scheduled Options, Menu Options, and Protocols? 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//   HOME  (CRT)

                                   VPS\*1.0\*10

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 Installing PACKAGE COMPONENTS:

 Installing REMOTE PROCEDURE

 Installing OPTION

               Sep 15, 2015@13:59:36

 Updating Routine file...

 Updating KIDS files...

 VPS\*1.0\*10 Installed.

               Sep 15, 2015@13:59:36

 Not a production UCI

 NO Install Message sent



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Complete  

Install Completed

# Post-Install

There are no post-install items applicable to VPS\*1.0\*10 installation.