

VA FileMan 22.2 Installation Guide



Department of Veterans Affairs

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Revision History

Note: The revision history cycle begins once changes or enhancements are requested after the Installation Guide has been baselined.

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1. Introduction

This guide provides instructions for installing Department of Veterans Affairs (VA) FileMan V. 22.2. VA FileMan is designed to be used either with the Kernel or as a stand-alone application; however, these installation instructions are provided only for sites running Kernel 8.0. Since Kernel is dependent on VA FileMan22.0, that version of VA FileMan is already installed on your system.

This guide is written specifically for the Caché Operating System (OS). It does not contain OS-specific instructions for other OSs, such as routing mapping and manually moving %routines into the Manager account. See below (section 1.2) for identifying other OSs to VA FileMan and Kernel.

This installation is significantly different from previous versions. You no longer must manually move the new FileMan routines into the account. The routines are present in the KIDS build and are loaded as part of the install. DINIT is run non-interactively during the KIDS pre-install to update the FileMan files.

After this installation, the current version of the FileMan files will be installed and updated with data as appropriate. **Do not run DINIT to update the FileMan files after the install is complete.** Running DINIT from the Command line at any time will cause data corruption.

1.1. Preliminary Considerations

Only those with system management knowledge and access should install VA FileMan 22.2. See your OS system management documentation for instructions on performing OS-level tasks.

Among the tasks you will need to accomplish are:

- Logging onto the system and getting to the MUMPS prompt (Programmer Mode)
- Running system status reports
- Terminating processes
- Accessing host files (i.e., the KIDS build file)
- Inhibiting Logons
- Stopping TaskMan

1.2. MUMPS OPERATING SYSTEM Considerations

As mentioned above, this Install Guide assumes an install on Caché. You will not be asked to identify your OS during the install.

VA FileMan 22.2 populates the MUMPS OPERATING SYSTEM file with values for the following OSs:
CACHE/OpenM
DSM for OpenVMS
DTM-PC
GT.M(UNIX)
GT.M(VAX)
MSM

There is also a placeholder (OTHER) for a user defined OS.

In order to notify FileMan that you are using an OS other than Cache after the install completes,

```
>D OS^DINIT
```

and identify your OS.

In order to complete the identification to Kernel that you are running an OS other than Cache, run the appropriate routine from the following list:

ZOSFGTM	GTM on VMS
ZOSFGUX	GTM on Unix
ZOSFONT	Cache
ZOSFVXD	DSM on VMS

2. Installation on Caché for Sites Running Kernel

VA FileMan V. 22.2 requires a pre-existing Kernel V. 8.0.

2.1. Advance Preparation

Back up your system as a safeguard before the installation. In order to backout the FileMan 22.2 installation, restore your back up (see section 3 of this document).

2.2. Begin the Installation

2.2.1. Log onto the System:

Log onto the Production account.

2.2.2. In VAH: Stop All Background Filers, such as those for MailMan, OE/RR, Integrated Billing, and HL7

For example, to stop the MailMan background filer, do the following:

```
>D ^XUP
```

```
Setting up programmer environment
Terminal Type set to: C-VT320
Select OPTION NAME: XMMGR-STOP-BACKGROUND-FILER
      STOP background filer
STOP background filer (XMAD)
Are you sure you want the Background Filers to stop delivering mail?
No// YES
```

Since there is no menu option to shut down the OE/RR background filer, this job will need to be stopped via the appropriate M operating system utility.

2.2.3. Stop TaskMan and all Submanagers

Shut down TaskMan. Make sure you shut down active submanagers.

```
>D STOP^ZTMKU
Are you sure you want to stop TaskMan? NO// Y
Shutting down TaskMan.
Should active submanagers shut down after finishing their current tasks?
NO//Y
Okay!
Should active jobs be signaled to stop? NO// Y
Signaling active Tasks to STOP.
      .
      .
      .
Done.
```

2.2.4. Inhibit Logons in VAH for Each Volume Set

Or you may use the operating system (OS) command to prevent logons. Using the OS command will not cause a problem and will allow you to work within the menu system as needed during the installation. Caché/OpenM sites can stop the LAT and TELNET services.

Use VA FileMan to edit the VOLUME SET file (#14.5). (Replace VAH with your active Volume Set.)

```
>D Q^DI

VA FileMan 22.0

Select OPTION:  ENTER OR EDIT FILE ENTRIES

INPUT TO WHAT FILE:  VOLUME SET// 14.5 <RET>
EDIT WHICH FIELD:  ALL//  INHIBIT LOGONS ?
THEN EDIT FIELD:  <RET>

Select VOLUME SET:  VAH
INHIBIT LOGONS?:  NO//  YES
```

2.2.5. Environment Check

The VA FileMan 22.2 distribution includes an Environment Check routine (DI222ENV). It is run automatically during the Install. Also, you will be asked if you want to run it during the Load of the distribution. Answer "YES".

The Environment Check will examine the status of your system to verify that TaskMan is stopped and that Logons are inhibited (see steps above). If the install is stopped because your system is not in the proper state, stop TaskMan and inhibit Logons. Then proceed with the install.

The Environment Check will also validate the integrity of File #1 (the File of Files) on your system. If a zero node for an entry in File #1 is missing, you will be notified of the offending entry. The install will be stopped. The problem must be resolved before proceeding with the install.

2.2.6. Load the VA FileMan V. 22.2 Distribution (VAH)

You are now ready to Load the KIDS build and Install VA FileMan 22.2.

1. Use the ^XUP and Q^DI entry points to set your DUZ and set DUZ(0) to "@".

```
>D ^XUP      (To set DUZ when responding to the Access Code
              prompt. Press return at the OPTION prompt.)

>D Q^DI      (To set DUZ(0)="@")
```

2. Invoke the ^XPDKRN menu and select the LOAD A DISTRIBUTION option. Enter the appropriate Host file name to load the VA FileMan V. 22.2 distribution file (FM22_0.KID).

>D ^XPDKRN

KIDS 8.0

Select KIDS OPTION: 1 LOAD A DISTRIBUTION

Enter a Host File: /nfsftp/FLM22/sqakids/VA_FILEMAN_22_2.KID

KIDS Distribution saved on Mar 18, 2016@16:57:48

Comment: VA FileMan 22.2 KIDS Build

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

VA FILEMAN 22.2

Distribution OK!

Want to Continue with Load? YES//

<RET>

Loading Distribution...

Build VA FILEMAN 22.2 has an Environmental Check Routine

Want to RUN the Environment Check Routine? YES// <RET>

VA FILEMAN 22.2

Will first run the Environment Check Routine, DI222ENV

Use INSTALL NAME: VA FILEMAN 22.2 to install this Distribution.

2.2.7. Install the VA FileMan 22.2 Package (VAH)

Invoke the ^XPDKRN menu again and select the INSTALL PACKAGE(S) option. Select VA FILEMAN 22.2 as the package you want to install.

>D ^XPDKRN

KIDS 8.0

Select KIDS OPTION: 6 INSTALL PACKAGE(S)

Select INSTALL NAME: **VA FILEMAN 22.2** 2/18/16@11:51:17

=> VA FileMan 22.2 KIDS build ;Created on Feb 18, 2016@11:34

This Distribution was loaded on Feb 18, 2016@11:51:17 with header of
VA FileMan 22.2 KIDS build ;Created on Feb 18, 2016@11:34

It consisted of the following Install(s):

VA FILEMAN 22.2

Checking Install for Package VA FILEMAN 22.2

Will first run the Environment Check Routine, DI222ENV

Install Questions for VA FILEMAN 22.2

Incoming Files:

.85 LANGUAGE (including data)
Note: You already have the 'LANGUAGE' File.
I will OVERWRITE your data with mine.

.9 META DATA DICTIONARY
Note: You already have the 'META DATA DICTIONARY' File.

Want KIDS to Rebuild Menu Trees Upon Completion of Install? YES//<RET>

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

Enter the Device you want to print the Install messages.
Enter a '^' to abort the install.

DEVICE: HOME// <RET> TELNET

Install Started for VA FILEMAN 22.2 :
 Feb 18, 2016@11:51:32

Build Distribution Date: Feb 18, 2016

 Installing Routines:
 Feb 18, 2016@11:51:33

 Running Pre-Install Routine: EN^DI222PRE
 Initializing FileMan version 22.2...

Now loading DIALOG and LANGUAGE
Files.....
.....
...
.....
...
.....
...
.....
.....

The following files have been installed:

.11	INDEX
.2	DESTINATION
.31	KEY
.4	PRINT TEMPLATE
.401	SORT TEMPLATE
.402	INPUT TEMPLATE
.403	FORM
.404	BLOCK
.44	FOREIGN FORMAT
.46	IMPORT TEMPLATE

- .5 FUNCTION
- .6 DD AUDIT
- .7 MUMPS OPERATING SYSTEM
- .81 DATA TYPE
- .83 COMPILED ROUTINE
- .84 DIALOG
- .85 LANGUAGE
- .9 META DATA DICTIONARY
- 1 FILE
- 1.1 AUDIT
- 1.11 ARCHIVAL ACTIVITY
- 1.12 FILEGRAM HISTORY
- 1.13 FILEGRAM ERROR LOG
- 1.2 ALTERNATE EDITOR
- 1.521 SQLI_SCHEMA
- 1.52101 SQLI_KEY_WORD
- 1.5211 SQLI_DATA_TYPE
- 1.5212 SQLI_DOMAIN
- 1.5213 SQLI_KEY_FORMAT
- 1.5214 SQLI_OUTPUT_FORMAT
- 1.5215 SQLI_TABLE
- 1.5216 SQLI_TABLE_ELEMENT
- 1.5217 SQLI_COLUMN
- 1.5218 SQLI_PRIMARY_KEY
- 1.5219 SQLI_FOREIGN_KEY
- 1.52191 SQLI_ERROR_TEXT
- 1.52192 SQLI_ERROR_LOG

Re-indexing entries in the DIALOG file.....

Compiling all forms ...

DICATT	(#.001)
DIPTED	(#.1001)
DIKC EDIT	(#.1101)
DIKC EDIT UI	(#.1102)
DIKK EDIT	(#.3101)
DIBTED	(#.40001)
DIETED	(#.40101)
DIEDIT	(#.40201)
DDGF BLOCK EDIT	(#.40301)
DDGF PAGE ADD	(#.40302)
DDGF PAGE EDIT	(#.40303)
DDGF PAGE SELECT	(#.40304)
DDGF FORM EDIT	(#.40305)
DDGF HEADER BLOCK EDIT	(#.40306)
DDGF FIELD ADD	(#.40401)
DDGF FIELD CAPTION ONLY	(#.40402)
DDGF FIELD DD	(#.40403)
DDGF FIELD FORM ONLY	(#.40404)
DDGF FIELD COMPUTED	(#.40405)
DDGF BLOCK ADD	(#.40406)
DDGF BLOCK DELETE	(#.40407)
DDGF HEADER BLOCK SELECT	(#.40408)
DDXP FF FORM1	(#.441)
DDMP SPECIFY IMPORT	(#.461)

XUEDIT CHARACTERISTICS (#1)
XUEXISTING USER (#2)

.
.
.

INITIALIZATION COMPLETED IN 3 SECONDS.
Initialization of FileMan version 22.2 has been completed.

Installing Data Dictionaries:
Feb 18, 2016@11:51:36

Installing Data:
Feb 18, 2016@11:51:36

Installing PACKAGE COMPONENTS:

Installing SECURITY KEY

Installing REMOTE PROCEDURE

Installing OPTION

Feb 18, 2016@11:51:37

Running Post-Install Routine: POST^DI222POS
Saving Routine: DIDT, As: %DT
Saving Routine: DIDTC, As: %DTC
Saving Routine: DIRCR, As: %RCR

Routine: DIDT Loaded, Saved as %DT
Routine: DIDTC Loaded, Saved as %DTC
Routine: DIRCR Loaded, Saved as %RCR

DIDT ;SFISC/GFT-DATE/TIME UTILITY ;2014-12-26 12:32 PM
;;22.2;VA FileMan;;Jan 05, 2016;Build 32

DIDTC ;SFISC/XAK-DATE/TIME OPERATIONS ;3JAN2011
;;22.2;VA FileMan;;Jan 05, 2016;Build 32

DIRCR ;SFISC/GFT-DELETE THIS LINE AND SAVE AS '%RCR'*** ;13DEC2012
;;22.2;VA FileMan;;Jan 05, 2016;Build 32

Updating Routine file...

Updating KIDS files...

VA FILEMAN 22.2 Installed.
Feb 18, 2016@11:51:38

Not a production UCI

NO Install Message sent

Call MENU rebuild

Starting Menu Rebuild: Feb 18, 2016@11:51:40

Collecting primary menus in the New Person file...

```

      Primary menus found in the New Person file
      -----
OPTION NAME      MENU TEXT      # OF      LAST      LAST
                        USERS      USED      BUILT

                        .
                        .
                        .

```

Building secondary menu trees....

Merging.... done.

Install Completed

2.2.8. Enable Logons in VAH

Use VA FileMan to edit the Inhibit Logon field in the VOLUME SET file (#14.5) for each volume set. This will allow TaskMan to start tasks.

```
>D Q^DI
```

VA FileMan 22.2

Select OPTION: **ENTER** OR EDIT FILE ENTRIES

INPUT TO WHAT FILE: **VOLUME SET**

EDIT WHICH FIELD: ALL// **INHIBIT** LOGONS ?

THEN EDIT FIELD: **<RET>**

Select VOLUME SET: **VAH**

INHIBIT LOGONS?: YES// **NO**

2.2.9. Post-Install TaskMan Procedures

TaskMan should have started when you rebooted or restarted the system. If TaskMan is not running, start TaskMan.

```
>D ^ZTMB
```

2.2.10. In VAH: Start all Background Filers that You Previously Stopped

For example, if the MailMan background filer, the XMAD0 routine, is not running, start it by invoking the START Background Filer option.

```
>D ^XUP
```

Setting up programmer environment

Terminal Type set to: C-VT320
Select OPTION NAME: **XMMGR-START**-BACKGROUND-FILER
START background filer (XMAD)
START background filer (XMAD)

****** You have now completed the installation of VA FileMan. ******

3. Backout Instructions

The method of backing out the FM22.2 patch is to restore from the backup that was taken in step 2.1 of this guide. Due to the fact that FM22.2 is a change to the system infrastructure, this is the only way to put the system back to the pre FM22.2 state.

The steps to take are:

- The backup must be restored to reset the system to the pre FM22.2 state;
- The journal entries must be applied.