FDA Medication Guides (PSN*4*570) On-Demand Java Component

Installation Guide

February 2021

Version 1.0.2.0

Department of Veterans Affairs
Product Development

Revision History

Date	Revision	Description	Author
02/2021	1.0.2.0	Fortify security fixes for the security analysis on 07/2020 released with patch PSN*4*570. Update document to remove section detailing associated VistA patch installations from original release. Update screen captures and label figures.	HPS Clinical Sustainment team
12/2014	1.0.1.0	Support the new secure CMOP Server using HTTPS functionality released with patches PSS*1*177 and PSN*4*364 and made formatting changes.	Enterprise Application Maintenance team
04/2011	1.0	Original Version	REDACTED

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Section 1: Introduction

This Installation Guide provides a description of the installation and deployment procedures for the Department of Veterans Affairs (VA) Food and Drug Administration (FDA) Medication Guides Increment 2 project. This guide focuses on the project's FDA Med Guides Java On-Demand Viewer component. The FDA Med Guides On-Demand Viewer component is a Java-based application that manually displays a copy of an FDA medication guide Portable Document Format (PDF) file in a web browser on the user's computer.

The Outpatient Pharmacy application was modified to allow pharmacists to manually display and print an FDA Medication Guide for a specific prescription when one is available. The National Drug File application was also modified to allow users to retrieve and print the FDA Medication Guides for specific VA Product entries when one is available. A Java software component has been created specifically for this project to allow the retrieval of the FDA Medication Guide from a web server repository via a web browser. The On-Demand Viewer Java software component must be installed in the user's computer for the functionality to work correctly.

Before You Begin

Important:	Administrator-level permissions are required to both install and uninstall the required FDA Medication Guide On-Demand Java software component on the individual workstations.

The intended audience for this document is the Information Resources Management Service (IRMS) staff responsible for installing and configuring software on VA Windows computers.

Installation will take about 10-15 minutes and must be performed on every computer where the user needs to retrieve and display an FDA Medication Guide.

After installation is complete, the individual computers will need to be rebooted. Any logged-on users should be advised to log off.

Section 2: Pre-Installation Considerations

The FDA Med Guides On-Demand Viewer Java software component requires Java Runtime Environment (JRE), a third-party software component to display and print Portable Document Format (PDF) documents. Java Runtime Environment (JRE) must be properly installed and configured prior to installing and running the FDA Med Guides On-Demand Viewer Java software component.

Java Runtime Environment (JRE) is not distributed as part of this package. Download and install a VA TRM compliant version of Java Runtime Environment (JRE) prior to installation of the FDA Medication Guide On-Demand Viewer application.

According to the Technical Reference Model (TRM) forecast, Java Runtime Environment **1.8.271** is supported as of this writing.

Note:	To confirm whether Java 1.6 is already installed on the computer, or was installed correctly, open a command window and type the command: **java -version** Information text should appear in the command window, indicating the nomenclature of the java version. If Java is not installed, or not installed properly, the message returned will indicate: "Java is not a recognized system command."

Refer to the VA Technical Reference Model (TRM) http://trm.oit.va.gov/TRMHomePage.aspx for the approved versions of Java Runtime Environment (JRE).

Section 3: Installing On-Demand Java Software

Note: Administrator-level permissions are required to both install and uninstall the required software on the individual computers.

3.1 Obtain ZIP distribution file

The FDA Medical Guide On-Demand Java software component is distributed as a ZIP-compressed file (PSN_4_P570.zip) containing a single EXE executable file. Download and Unzip the file contents into a temporary folder of your choice. After successfully installed, the zip file and setup file may be deleted.

The file can be obtained from the following location:

https://download.REDACTED/index.html/

Table 1: Downloadable File

File Name	Retrieval Format
PSN_4_P570.zip	BINARY

Note:	
	Computers that are currently running the FDA Med Guides On-Demand Viewer Java component software can go directly to Section 3.5 Upgrading to a new version of On Demand.

3.2 Installing the On-Demand Component Software

To install and test the On-Demand Med Guide Viewer component software, follow these instructions.

Note: Since the On-Demand Med Guide Viewer component software is a Java application, it requires that the Java Runtime Environment (JRE) be installed on the computer. JRE is not distributed as part of this package and must be separately downloaded and installed. JRE version 1.6 or newer, is required. If JRE 1.6 is already installed on the computer, you may skip this step.

A) Run the executable installer.
B) Locate the file named "On-Demand_Med_Guide_Viewer-x.x.x.x_setup.exe" (x.x.x.x represents a four-digit version number separated by dots.)
C) Double-click on the file name to start/run the installer.
D) The installer detects whether you already have a compatible version of Java installed on your PC. If not, the installer aborts and prompts you to download and install Java JRE.
E) When JRE installation is complete, close the residual installer window.
F) Reboot, when prompted to do so and continue.

Figure 1: Example of On-Demand Installer.

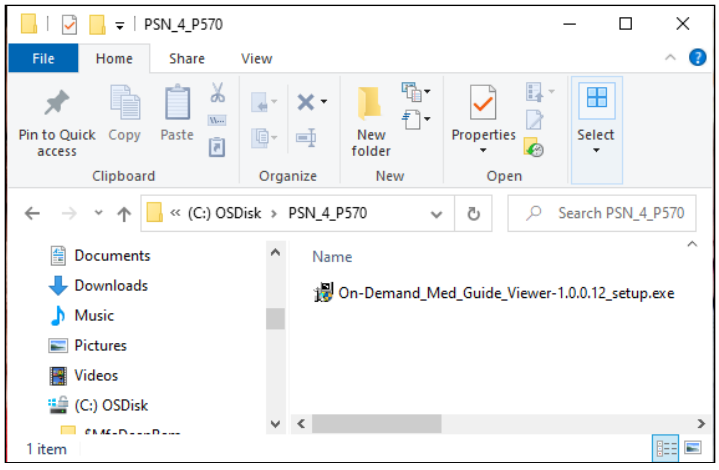


Figure 2: Example of On-Demand Installation without JRE installed

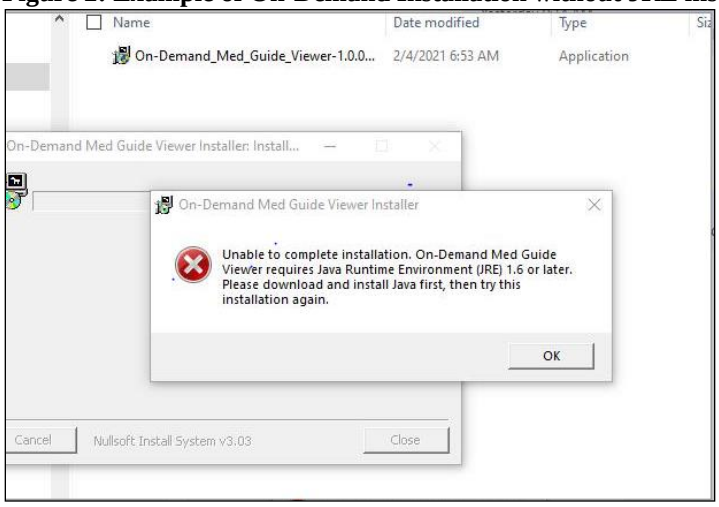


Figure 3: Example of Successful On-Demand Installation

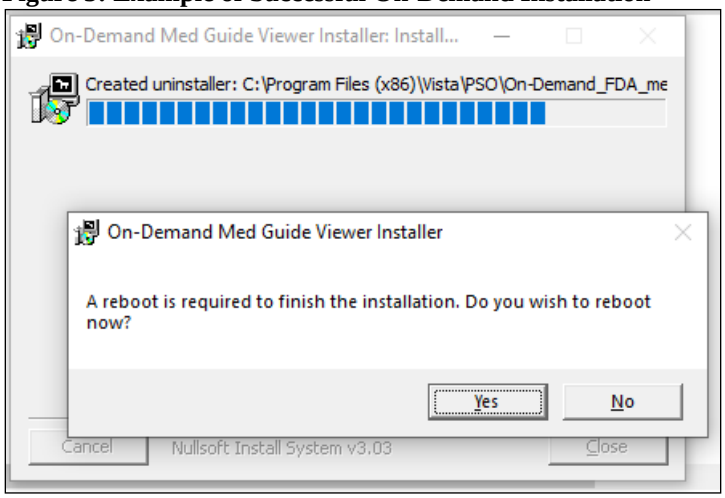


Figure 4: Example of installed On-Demand Viewer Java Software version 1.0.0.12 in Control Panel:

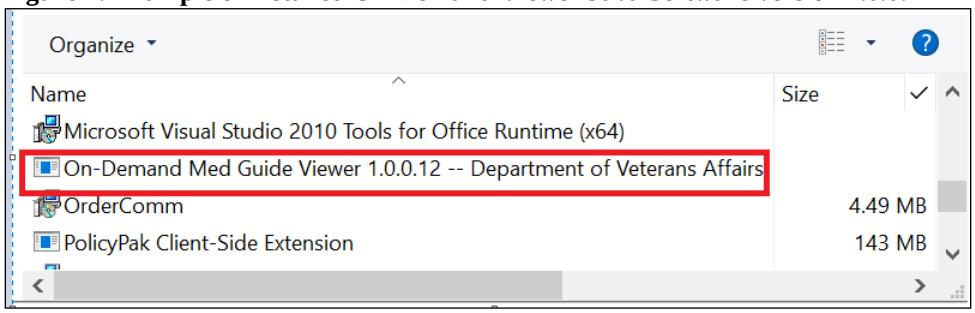
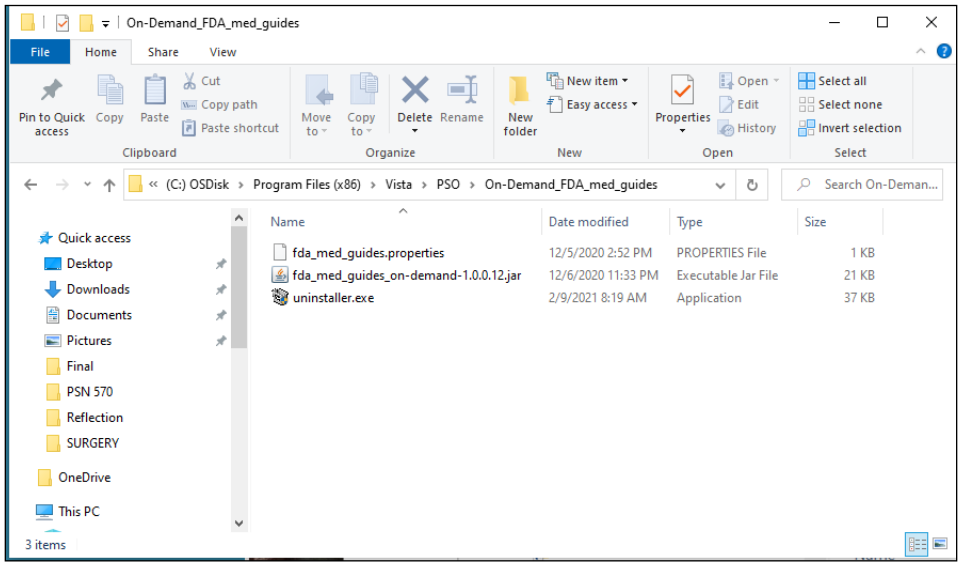


Figure 5: Example of installed On-Demand Viewer Java Software in Windows Explorer C:\Program Files (x86)\Vista\PSO\On-Demand_FDA_med_guides



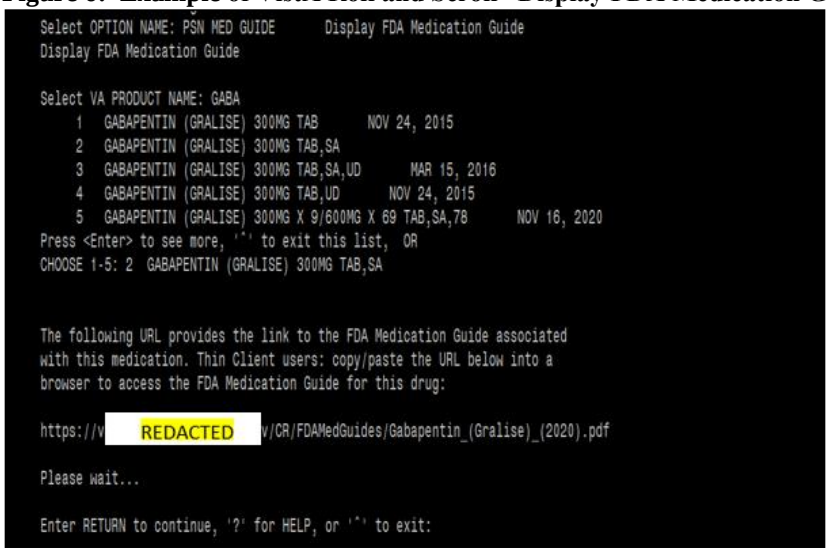
3.3Test the installation and the application software

A. Logon to Vista on a computer with the FDA Med Guide On-Demand Viewer component software installed using the roll-scroll interface.

B. Request display of a specific med guide document from Vista.
   i. <u>Test for Outpatient Pharmacy Application users:</u>
   ii. Logon to the Outpatient Pharmacy Application [PSO MANAGER]
   iii. Select the Patient Prescription Processing option [PSO LM BACKDOOR ORDERS], a.k.a. “Backdoor Pharmacy”, which is located under the Rx (Prescriptions) menu [PSO RX].
   iv. Select any Division.
   v. Select any Patient.
   vi. Select one of the patient’s prescriptions with a dispense drug matched to a VA Product that contains an associated FDA Medication Guide.

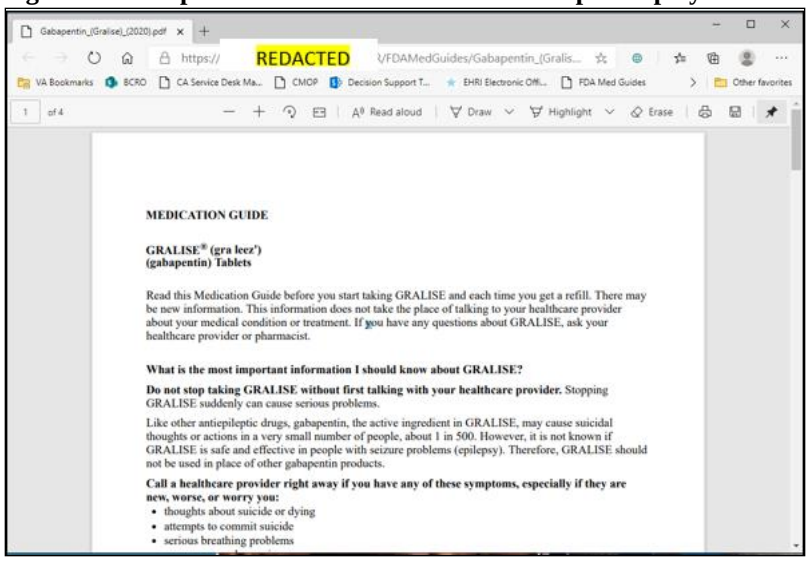
vii. Select hidden action OTH (Other OP Actions).
viii. Select Item MG (Display FDA Medication Guide).
ix. Test for National Drug File Application users:
x. Logon to the National Drug File Application [PSNMGR].
xi. Select the Display FDA Medication Guide option [PSN MED GUIDE].
xii. When prompted for 'VA PRODUCT NAME', enter a VA Product that contains an associated FDA Medication Guide.

Figure 6: Example of VistA Roll and Scroll "Display FDA Medication Guide" [PSN MED GUIDE] option



C. After a few seconds, an FDA med guide should display within Adobe Acrobat Reader, embedded within the default Web Browser. This is the PDF file that you requested in the previous step. If the browser window opens and the med guide is displayed, the software is correctly installed and properly working.

Figure 7: Example of Successful FDA Med Guide .pdf display in Web Brower.



3.4Additional Technical details

- The Java component software will automatically run in the background each time the PC is booted/rebooted. There is no visible evidence that it is running.
- After the software is installed, there are no obvious signs of its presence other than the display of a med guide when requested. When not in use, the software remains silently in the background awaiting instructions. No GUI is associated with the application.
- The software is (by default) typically installed in the folder shown below in Figure 8 and contains the files listed in this folder.
- Registry entries affected by this installation are shown below in Figures 9-11.

Figure 8: Example of On-Demand installation folder

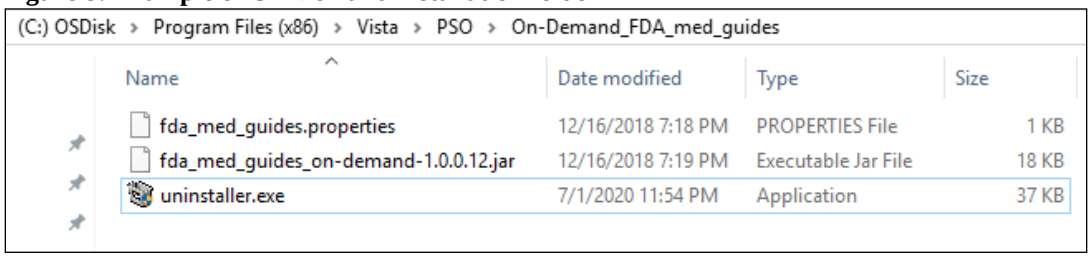


Figure 9: Example of On-Demand Registry Entries

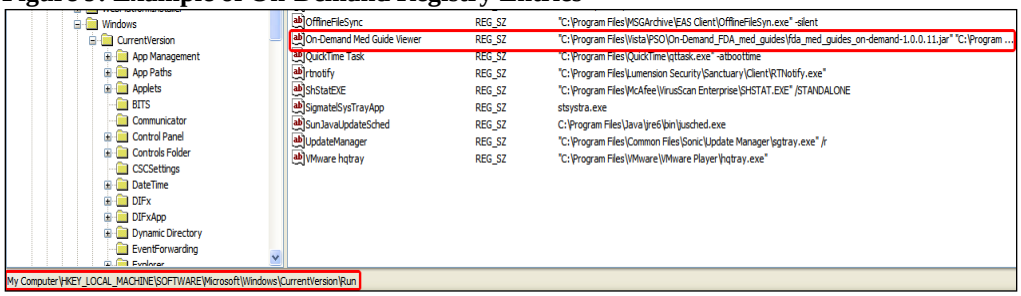


Figure 10: Example of On-Demand Registry Entries continued.

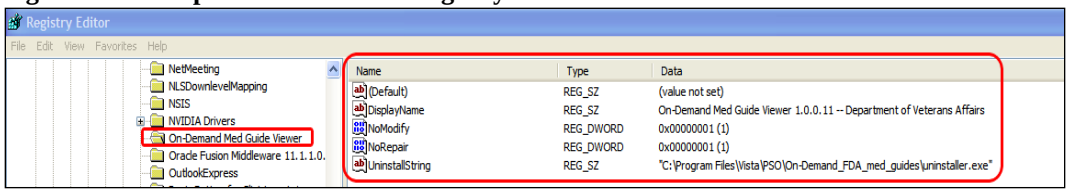
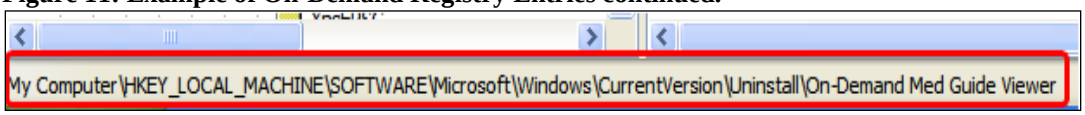


Figure 11: Example of On-Demand Registry Entries continued.



3.5Upgrading to a new version of On-Demand

If an old version of the On-Demand Java component software already exists on the workstation, the following steps need to be performed.

A. Uninstall the old version of the On-Demand Med Guide Viewer software by following the instructions given in section 3.6 Uninstalling the On-Demand Component.
B. Then install the new version On-Demand Med Guide Viewer software by following the instructions given in section 3.2 Installing the On-Demand Component Software.

3.6Uninstalling the On-Demand Component

A. To remove the software from your PC, use the standard Add/Remove applet provided by Windows.
B. Click on the Start button.
C. Select Control Panel.
D. Select the Uninstall a program applet in the Control Panel.
E. Scroll down to the listings in the applet starting with the letter “O”.
F. Choose the On-demand Med Guide Viewer entry as shown below:
G. Click on the Remove button or Double click the entry
H. A removal tool appears on the screen indicating that the software has been removed.
I. Reboot

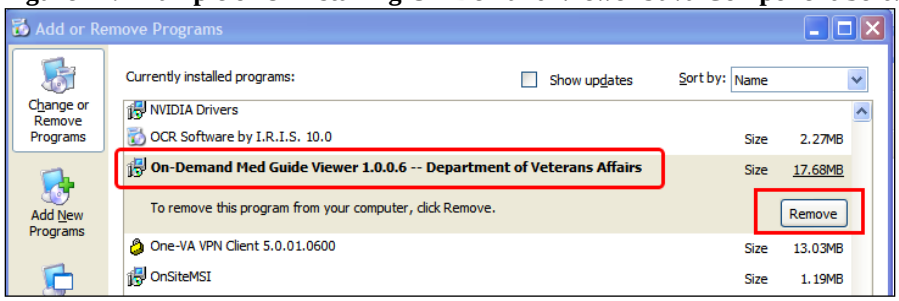



Figure 12: Example of Uninstalling On-Demand Viewer Java Component Software