



HealtheVet Desktop / Care Management Project

HealtheVet Desktop
Clinician Dashboard
Nurse Dashboard
Sign List
Query Tool

Installation Guide

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VistA Health Systems Design & Development

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Preface

Introduction

The *HealtheVet Desktop / Care Management Project Installation Guide* describes how to install the HealtheVet Desktop. This document contains five main sections: 1. Pre-Installation Information, 2. Instructions for Installing M Server Components, 3. Instructions for Installing HealtheVet Desktop Server Components, 4. Instructions for Installing Workstation Components, and 5. Post Installation Instructions.

Background Information. HealtheVet Desktop is an application framework that hosts the new generation of Veterans Health Administration (VHA) clinical applications.

Architectural Scope. HealtheVet Desktop is a Java Swing client and requires the Java Runtime Environment version 1.4.1 or 1.4.2 on desktop machines. It also requires the VistALink 1.0 software package, which provides a transport layer that enables Java applications such as HealtheVet Desktop to communicate with M-based applications. Eventually, most VHA clinical applications will be hosted within HealtheVet Desktop.

The Module Update Manager (MUM) and the modules that comprise the four Care Management perspectives—Clinician Dashboard, Nurse Dashboard, Sign List, and Query Tool—are installed during the HealtheVet Desktop installation process. The MUM is an advanced utility for updating local workstations.

Recommended Users

- Department of Veterans Affairs Medical Center (VAMC) Information Resources Management (IRM) staff

Related Manuals

- *HealtheVet Desktop/Care Management User Manual*
- *HealtheVet Desktop/Care Management Technical Manual*

Related Web Sites

- CPRS Reengineering - <http://vista.med.va.gov/cprs-r/>

Client Configurations

This installation guide is for both traditional workstation and thin client (terminal services) configurations.

1. Pre-Installation Information

The HealthVet Desktop/Care Management software package requires three separate installation procedures: one for installing M-specific components on your M server, one for installing Java components on the HealthVet Desktop/Care Management server, and one for installing Java components on users' workstations.

Required Vista Packages and Patches

Before installing the HealthVet Desktop/Care Management software package, you must ensure that the following patches are installed on your M server:

Software	Version	Patch Information
VistALink	1.0	XOB 1.0
Order Entry/Results Reporting	3.0	OR*3*153 (Hepatitis C Reporting) Note: TIU*1.0*150 is required to run OR*3.0*153
CPRS GUI	22 or later	OR*3.0*173 or OR*3.0*206

Note: HealthVet Desktop requires the VistALink version 1.0 software package, which provides a transport layer that enables Java-based applications to communicate with M-based applications. See the VistALink installation guide for instructions on installing VistALink. You can download this guide and other VistALink documentation via FTP through the Office of Information Field Office (OIFO) ANONYMOUS.SOFTWARE directories, which are listed in the following section.

Software Retrieval

Together, the **OR_30_174.ZIP**, **OR_30_174.KID**, and **CMAUTOINSTALL.ZIP** files contain all the files necessary to install HealthVet Desktop/Care Management. (See [Appendix C](#) for a comprehensive listing of the individual files within OR_30_174.ZIP and CMAUTOINSTALL.ZIP.) These files are available (via FTP) in the Office of Information Field Office (OIFO) ANONYMOUS.SOFTWARE directories listed below:

OIFO	FTP Address	Directory
Albany	ftp.fo-albany.med.va.gov	anonymous.software
Hines	ftp.fo-hines.med.va.gov	anonymous.software
Salt Lake City	ftp.fo-slc.med.va.gov	anonymous.software
VistA Download Site	download.vista.med.va.gov	anonymous.software

Distribution File Contents

Software Files	Content Description
OR_30_174.ZIP (Binary Java client files)	<ul style="list-style-type: none"> • Configuration and example settings files • Client executable file • HealtheVet Desktop/Care Management plug-in directories
OR_30_174.KID (ASCII KIDS build files)	<ul style="list-style-type: none"> • OR*3.0*174 • XHD Parameters 1.0 • XHD 1.0 (HealtheVet Desktop) • ORRC Parameters 1.0 • ORRC 1.0 (Care Management)
CMAUTOINSTALL.ZIP (Binary files)	<ul style="list-style-type: none"> • Automated installation scripts • JRE 1.4.2 installation executable • Sentillion installation files • HealtheVet Desktop client executable

Documentation Retrieval

The following table lists HealtheVet Desktop/Care Management documentation, which you can download via FTP from the Office of Information Field Office (OIFO) ANONYMOUS.SOFTWARE directories listed in the preceding section.

File Name	Document
CMIG.pdf	HealtheVet Desktop/Care Management Installation Guide
CMUM.pdf	HealtheVet Desktop/Care Management User Manual
CMTM.pdf	HealtheVet Desktop/Care Management Technical Manual

Server Hardware and Operating System Requirements

Hardware

- Existing M server
- File server with at least 30 MB of free disk space to function as the HealtheVet Server (does not have to be a dedicated server). We expect the amount of disk space used by Care Management and HealtheVet Desktop to increase slowly as desktop plug-ins are added.
- Sentillion Vergence Vault (Optional): (For access to CPRS patient charts from within Care Management, you must implement a Sentillion Vergence Vault running CCOW. See the Sentillion Vergence Vault installation guide (*Vergence Vault Installation Instructions*) for installation instructions. You can download this guide and other Sentillion Vergence Vault

documentation via FTP at download.vista.med.va.gov. (OSLC_IG.ZIP contains the installation guide and OSLC_SP.ZIP contains supplementary documentation. These files are located in the anonymous software directory.)

Operating System

- HealthVet Desktop/Care Management server: Windows NT or Windows 2000 server

- M server:
 - o DSM/VMS:
DSM (version 7.2.1 VA1)
VMS (version 7.2.1-1 minimum)
Note: This version of VMS is also required for Cache/VMS
 - o Cache/NT: Cache (version 3.2.31.1)
 - o Cache/VMS: Cache (version 4.1)

Workstation Hardware and Software Requirements

Hardware

- Workstations should comply with VA Desktop Minimum Acceptable Configurations <http://vaww.vairm.vaco.va.gov/VADesktop>

- At least 30 MB of free disk space: We expect the amount of disk space used by Care Management and HealthVet Desktop to increase slowly as desktop plug-ins are added

Operating System and Software

- Windows XP or 2000 Workstation or Windows 2000 Server with Terminal Services

- Java 2 Platform Standard Edition version 1.4.1 or 1.4.2 (J2SE 1.4.1 or 1.4.2) – Java Runtime Environment (JRE). (You can install the JRE [manually](#) or via the [automated installation](#) script, which also installs HealthVet Desktop/Care Management and Sentillion workstation components.) You may also use Microsoft System Management Server (SMS) to simplify deployment of the JRE. At most sites, you need administrator access to install the JRE on users' workstations.

The following table lists the disk space requirements for these versions of the JRE:

Version	Minimum Disk Space Requirement
JRE 1.4.2	67 MB
JRE 1.4.1	40 MB

Note: The HealthVet desktop actually requires a component of the JRE called the Java Virtual Machine (JVM). HealthVet Desktop has been tested only on JVM versions 1.4.1 and 1.4.2.

The JVM is included in the JRE Standard Edition, which is available from Sun Microsystems. This package includes items such as basic libraries for network communication and graphic user interfaces. A larger package, called the Java Developer Kit (JDK), also contains the JVM. In addition, the JDK includes developer utilities that are not required on client workstations.

*The Java 2 Enterprise Edition (J2EE) package contains a set of libraries that allow certain server-side functions. The J2EE package is included with the HealthVet Desktop. You do **not** need to download or install this package.*

- Sentillion Desktop Components (Optional): For access to CPRS patient charts from within Care Management. (You can install the Sentillion Desktop Components [manually](#) or via the [automated installation](#) script, which also installs HealthVet Desktop/Care Management and JRE components.) You may also use Microsoft System Management Server (SMS) to simplify deployment of the Sentillion Desktop Components.
- Java Access Bridge (Optional): For individuals who use Windows-based assistive technology, such as JAWS or Window-Eyes. (You can download Java Access Bridge at: <http://java.sun.com/products/accessbridge/>. At most sites, you need administrator access to install the Java Access Bridge on users' workstations.)

2. Instructions for Installing M Server Components

Pre-Installation Instructions for the M-Specific Component

IRM Staff

You need programmer access (S DUZ (0)=”@”) to install the M-specific component. You must also have a VMS account to install this component on a DSM/VMS system.

Software Installation Time

Installation should take approximately one minute.

Users on the System

Users may be on the system during installation of this patch. However, this patch should be loaded during non-peak hours to minimize disruption to users.

Translation

HealthVet Desktop/Care Management introduces three new globals: ^ORA, ^ORRT, and ^XHD. The ^ORA global and the ^ORRT global have the potential for significant growth; you should place each of them on a single volume with ample free space. The ^XHD global is small and will probably remain small; place it on a single volume with a moderate amount of free space for growth. We recommend that you translate the ^ORA, ^ORRT, and ^XHD globals in the desired database sets before running the M server installation component of HealthVet Desktop/Care Management.

Installing M Server Components

Take the following steps to install patch OR*3.0*174:

1. Download the OR_30_174.KID distribution file.
2. Review your mapped set. If any of the routines listed in the Routine Summary section are mapped, they should be removed from the mapped set at this time.
3. From the Kernel Installation and Distribution System Menu, select the **Installation** menu.
4. When prompted to enter a host file name, select **Load a Distribution** and use *OR_30_174.KID*. You may need to precede the host file name with a directory name.
5. From this menu, you may elect to use the following options:
 - a. **Backup a Transport Global**
 - b. **Compare Transport Global to Current System**
 - c. **Verify Checksums in Transport Global**
(When prompted for INSTALL NAME, enter OR*3.0*174.)
6. Use the **Install Package(s)** option and select the OR*3.0*174 package. This package consists of the following software:
 - a. OR*3.0*174
 - b. XHD PARAMETERS 1.0

- c. XHD 1.0
 - d. ORRC PARAMETERS 1.0
 - e. ORRC 1.0
7. During the installation of the XHD and ORRC builds, the following prompt appears: **Want KIDS to Rebuild Menu Trees Upon Completion of Install? YES//**. Respond YES.
 8. When prompted **Want KIDS to INHIBIT LOGONs during the install? YES//**, respond NO.
 9. When prompted **Want to DISABLE Scheduled Options, Menu Options, and Protocols? YES//**, respond NO.
 10. If you removed routines from the mapped set as part of Step 2, you should return them to the mapped set after the installation has run to completion. You may also delete post-init routines ORRCYP01 and XHDYP01 at this time. (The KIDS build automatically deletes ORRCYP and XHDYP, which invoke ORRCYP01 and XHDYP01, respectively.)
 11. Enable journaling and set the global permissions for ^ORA, ^ORRT, and ^XHD (see the “Protection” section in Appendix A of this guide for more information about these permissions).
 12. Use the XQSHOWBUILDS menu option to verify that menu trees have been correctly rebuilt. If you did not answer YES in Step 7, or if menu trees have not been correctly rebuilt, queue the XUBUILDTREE menu option to run as soon as possible.

Note: [Appendix A](#) contains a listing of new M namespaces, routines and files created from this build. [Appendix B](#) contains an example installation

3. Instructions for Installing HealthVet Desktop

A. Create a HealthVet Desktop Directory

Create a main HealthVet directory named HEVD on the HealthVet Server. The HealthVet Server may be any Windows 2000 or NT server on your network. HealthVet Desktop does not require a dedicated machine. Unzip and extract the OR_30_174.ZIP distribution file to the main HealthVet directory (HEVD).

B. Configuring the HealthVet Desktop Server Component

To configure the HealthVet Desktop server component, follow these steps:

Note: These instructions apply to a Windows 2000 server. Dialog boxes and your responses may be slightly different if you are installing this software on Windows NT.

1. Right click on the main HealthVet Desktop/Care Management folder. (This is the folder—HEVD—into which you extracted the OR_30_174.ZIP files.)
2. Select **Sharing**.



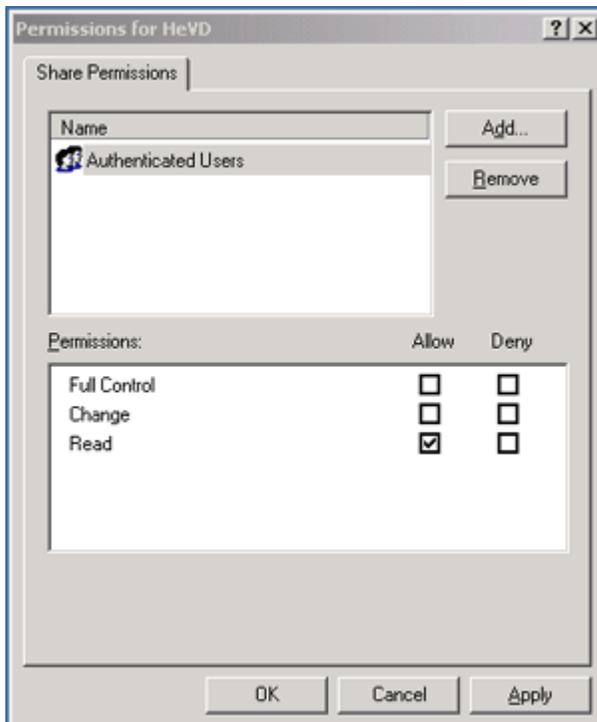
Select **Sharing...**

3. On the Sharing tab, select **Share this folder**.



Click the *Share this folder* radio button on the Sharing tab.

4. Click on **Permissions**.
5. In the check boxes under the **Allow** column, click to clear **Full Control** and **Change** if these items are selected. **Read** should be the only selected item under the **Allow** column. The *Permissions* window should now look something like this:



The *Permissions* dialog box.

6. Click **OK**

You must be able to access this share from each workstation, either by mapping a drive letter or by using a UNC (Universal Naming Convention) address such as \\servername\ HEVD.

C. Changing the Settings File

1. The Care Management product ships with a file called *example.settings*, which is located in the HEVD directory. **COPY** this file to *config.settings*. This file contains several settings that can differ from site to site—the name/IP address of your M server, VistALink port, and RPC broker port, for example.
2. Using a text editor, edit *config.settings*. Change the default server name in this file (broker server) to the name or IP address of the M server that you want HealthVet Desktop/Care Management to access. Similarly, change the default port numbers for M VistaLink Port and M RPCBroker Port (8100 and 9100, respectively) to the port numbers that your implementation of M VistALink and M RPCBroker use.
3. The *.settings* file also includes a setting that enables you to go from the Care Management interface to a patient's chart in CPRS version 22 (or later). To use this go-to-chart functionality, make sure that the value of the CPRS Chart Path entry in the *config.settings* file refers to the location where CPRS is installed on users' workstations.

```
M Server Name = mserver
M VistaLink Port = 8100

M RPCBroker Port = 9100
CPRS Chart Path = C:\Program Files\Vista\CPRS\CPRSChart.exe
```

You must change the server name and port numbers to correspond to the name and port numbers of your M server. For go-to-chart functionality, you must also make sure that the CPRS Chart Path refers to the location where CPRS is installed on the workstation.

4. Save *config.settings*. If you are prompted to save the document as text, answer yes.
5. Exit the text editor.
6. Verify that the file is still named *config.settings*. (Some text editors append a *.txt* extension to the filename. If your text editor has appended a *.txt* extension to the *config.settings* file, rename the file to *config.settings*.)

Note: Naming the .settings file config.settings is very important. In the [following section](#) you configure the HealthVet Desktop component running on users' workstations to reference a configuration file—called config.xml—that resides on the HealthVet Desktop server. This .xml file depends on a corresponding .settings file that has the same first name (config) and resides in the same directory. If the first name of the .settings file does not match the first name of the .xml file, the application will not work.

4. Instructions for Installing Workstation Components

You can install HealthVet Desktop/Care Management workstation components using either of the following two methods:

- A. Automated Installation
- B. Manual Installation

To successfully install workstation components using either of these methods, you must have Write access to the C:\Program Files\Vista directory. (If you don't have administrative rights to users' workstations, you may not have Write access to this directory.)

A. Automated Installation

To speed the process of installing the workstation components required for running HealthVet Desktop/Care Management software, this software package includes an automated installation script. The automated installation script performs the following tasks:

- Installs the Java 2 Standard Edition 1.4.2 JRE (if this software is not already installed on the workstation) in the C:\Program Files\Java\j2rel.4.2_01 directory
- Installs the Sentillion Vergence Desktop Components (if these components are not already installed on the workstation) in the C:\Program Files\Sentillion\DesktopComponents directory
- Creates a directory (C:\Program Files\Vista\HealthVetDesktop) and copies HealthVet Desktop executable files to this directory
- Creates shortcuts to the HealthVet Desktop executable file in the installation directory (C:\Program Files\Vista\HealthVetDesktop) and in the Windows All Users\Desktop and All Users\Start Menu folders
- Launches the HealthVet Desktop in silent mode to download to users' workstations the initial set of HealthVet Desktop/Care Management plug-ins

The automated installation script also serves as a template for silently (via the [silent option](#)) installing various Care Management components using software distribution tools such as Microsoft System Management Server (SMS).

The Care Management Automated Installation Script

The automated installation script consists of the following files and directories:

applications/	Application files
util/	Utility programs used by the setup script
etc/	Misc setup files
etc/cminstall.bat	Client installation script (before it exits, <i>construct.bat</i> creates the <i>cminstall.bat</i> file in the same directory)
construct.bat	IRM setup script (run once to set local settings)
doc/Care Management Install Script.doc	This document

Requirements

To successfully run the automatic installation script, you **must**:

- Have local administrative access on the workstation (administrative access is required to write to the system registry for both the JRE and Sentillion Desktop Components)
- Have previously unzipped and extracted the HealtheVet Desktop/Care Management files (OR_30_174.ZIP) to the HEVD directory on the HealtheVet server (see the “[A. Create a HealtheVet Desktop Directory](#)” section of the *HealtheVet Desktop/Care Management Installation Guide*)
- Install Care Management, VistALink, and CCOW server components (install these components prior to installing the workstation components.)

This script has been tested and verified on the Windows 2000 operating system.

Using the Care Management Automated Installation Script

For each site

Perform the following steps only once for each site:

1. Extract CMAUTOINSTALL.ZIP to a shared Windows folder. (See the [Software Retrieval](#) section of this manual for information about obtaining this file.)
2. Run *construct.bat* from the command line to set the following two values:
 - a. The path to the *config.xml* file, which is located in the HEVD directory (this will be a UNC name like the following: \\myserver\hevd\config.xml)
 - b. The virtual DNS name of the server running Sentillion CCOW (if you have not set a DNS name for your server’s virtual IP address, this is a good time to do so)

Construct.bat creates the *settings.bat* file in the /etc directory. You therefore need Write permission to this directory. Before *construct.bat* exits, it copies the *cminstall.bat* file in the same directory.

For each user workstation:

Run the *cminstall.bat* script in the shared directory of each workstation. You can perform this task by running the script from the workstation command line or by clicking on the *cminstall.bat* file through Windows Explorer.

The automated installation script silently installs HealthVet Desktop/Care Management, Sentillion, and Java workstation components. This script may take several minutes, so please be patient and allow it to run. If it finds issues with any of these components, the installation script will fail and display an error message stating where the failure occurred.

Notes

After you run *construct.bat*, the *settings.bat* (etc/settings.bat) file contains all the default values for your site. We recommend that you keep these default values. However, you can change them as needed to match the configuration your site requires.

This automated installation script contains commands that silently set up JRE 1.4.2, Sentillion Vergence Desktop Components, and Care Management. If the script hangs or displays an error message indicating that these silent installations were unsuccessful, we recommend that you try manually installing these components to see if similar error messages occur.

Following are two known issues:

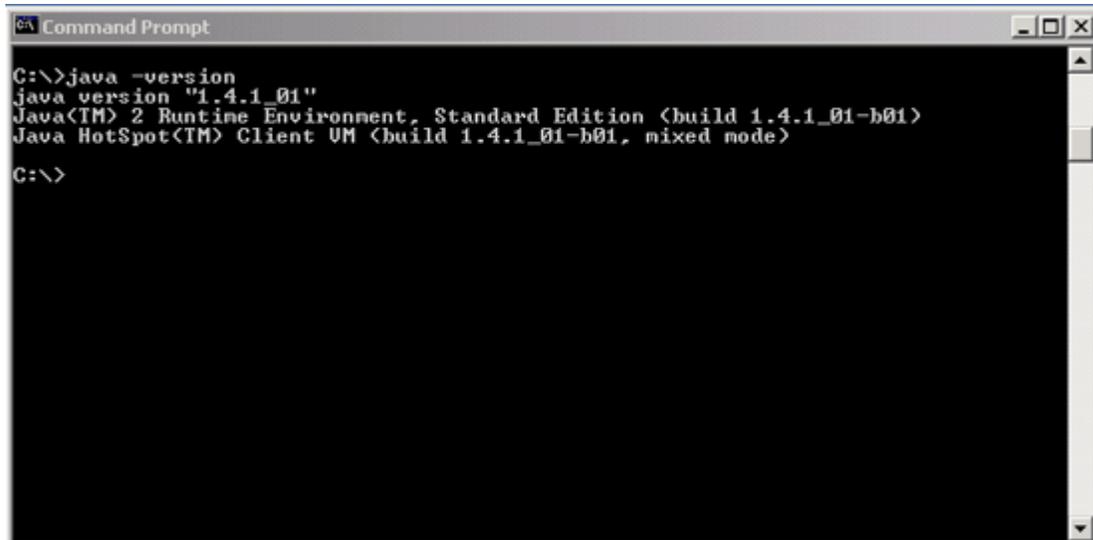
- If you have insufficient disk space, the JRE install will fail
- You cannot install Sentillion Vergence components if the Sentillion Application SDK has been installed

You can also use this script as a template for creating an installer using Microsoft SMS or other automated installation systems. If you need assistance with SMS, please log a Remedy ticket for SMS or call the National Help Desk (1-888-596-4357) and request SMS assistance.

B. Manual Installation

To install HealthVet Desktop on a workstation, follow these steps:

1. Verify that the JRE is installed on the workstation. To perform this task, open a DOS window and type the following command at the prompt: **java -version**. If the JRE is installed on the workstation, you will see something similar to this:



```
Command Prompt
C:\>java -version
java version "1.4.1_01"
Java(TM) 2 Runtime Environment, Standard Edition (build 1.4.1_01-b01)
Java HotSpot(TM) Client VM (build 1.4.1_01-b01, mixed mode)
C:\>
```

You can find out if the JRE is installed on your workstation by typing **java -version** at the command prompt.

2. If the JRE is installed on the workstation, skip to Step 3. If the JRE is not installed, you must install it now, before you install the HealthVet Desktop/Care Management workstation components. (You must install the JRE on every workstation that will run HealthVet Desktop/Care Management.)

To download the JRE for J2SE 1.4.1 or 1.4.2, browse to

<http://java.sun.com/j2se/1.4.1/download.html> or

<http://java.sun.com/j2se/1.4.2/download.html>, respectively. Download the JRE for Windows (U.S. English only).

3. Create a folder named HealthVetDesktop in C:\Program Files\Vista\.
4. Copy the *HealthVetDesktop.exe* file (which is located in the HEVD\client directory on the HealthVet server) to the workstation and place it in the folder you created in Step 3 above.
5. Create shortcuts to *HealthVetDesktop.exe*. (To create a shortcut, right-click on *HealthVetDesktop.exe* and select **Create Shortcut**).

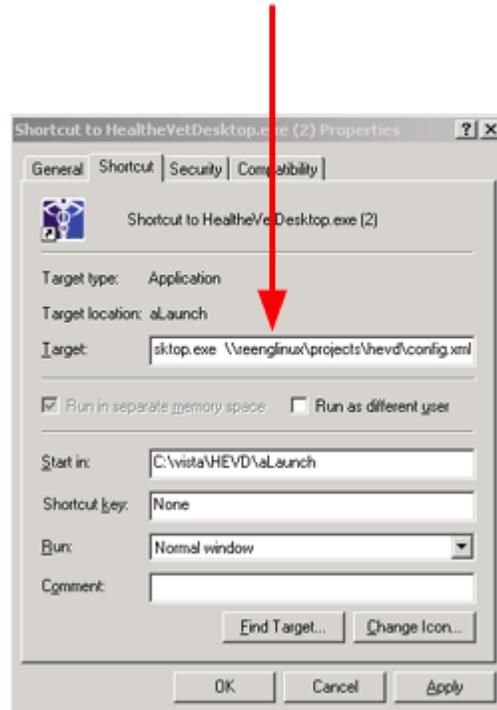
Note: You can create multiple shortcuts for multiple HealthVet Desktop/Care Management accounts. However, each shortcut needs its own config.xml and corresponding config.settings files. Furthermore, each .xml and associated .settings file must have a unique first name. For example, suppose you had two accounts: a production account and a test account. Further, suppose that the .xml and .settings files for the production account were named config.xml and config.settings. For the test account, you would need to give these files different names—such as testconfig.xml and testconfig.settings.

If a single user needed access to both of these accounts, you would need to create a separate shortcut for each account.

6. Right-click on the shortcut and select **Properties**.
7. After the words *HealthVetDesktop.exe* in the **Target** field, add one space and the file path of the *config.xml* file. (For example, if the name of your HealthVet Desktop/Care Management

server were healthvetserver, the file path you entered would look something like this: \\healthvetserver\ HEVD\config.xml.) The default value displayed in the **Start in** field is the location of the HealthVet Desktop executable file. Do not change or delete this value.

Add the file path of the config.xml file here .



The red arrow indicates where to add the file path of the *config.xml* file.

8. (Optional) For access to CPRS patient charts from within Care Management, install the Sentillion Desktop Components on users' workstations. See the Sentillion Vergence Desktop Components installation guide (*Vergence Desktop Components Install Instructions*) for installation instructions. You can download this guide and other Sentillion Vergence Vault documentation via FTP at download.vista.med.va.gov. (OSLC_IG.ZIP contains the installation guide and OSLC_SP.ZIP contains supplementary documentation. These files are located in the anonymous software directory.)

Note: You **MUST** implement a [Sentillion Vergence Vault](#) running CCOW before installing Sentillion workstation components.

Important Installation Note

Regardless of the method you use to install HealthVet Desktop/Care Management workstation components, the first time users run the HealthVet Desktop executable, the Module Update Manager (MUM) downloads and installs all of the plug-ins that provide this software package's functionality. The initial installation of these plug-ins can take from a few to several minutes, depending on your local network configuration. If a large number of users simultaneously launch the executable for the first time, the resulting (25 MB) plug-in downloads could degrade your network's bandwidth.

Note: The module (plug-in) update process does not interact with—and therefore does not affect—the M server. However bandwidth usage may make applications that rely on the M server appear to be negatively affected.

To avoid or mitigate potential impacts, you may use any of the following options:

- Use the `-silent` install option:
 - o Following Steps 3 –5 in “[B. Manual Installation](#),” create a *second* shortcut. In the **Target** field, add a space and **-silent** at the end of the file path to the `config.xml` file. (See Step 5.) When you launch the HealthVet Desktop using this shortcut, HealthVet Desktop downloads all of the plug-ins and immediately exits.

*Note: The shortcut that appears on users' desktops should **not** include the **-silent option**. With this option included, the shortcut will not launch the HealthVet Desktop.*

- o Run the `-silent` option from the command line as part of a script, scheduled job, or SMS job.
- Implement a phased deployment
- Maintain a shared network directory at each remote location

Silent Install Option

Set up Microsoft System Management Server (SMS) to run the HealthVet Desktop executable file using the following two command-line parameters: the silent parameter and the path to the `config.settings` file. For minimum system impact, schedule SMS to run the executable at staggered intervals while users are away from their workstations.

5. Post Install Instructions

Including Care Management Options in Users' Menu Trees

Include one or more of the following options in each user's menu tree:

- ORRCMM CLINICIAN
- ORRCMM CLINICIAN QUERY
- ORRCMM NURSING
- ORRCMM NURSE QUERY

The options you include should correspond to users' Care Management perspectives. For example, a nurse practitioner may need access to the Nurse Dashboard perspective, but not the Query Tool perspective. In this case, you would include in this nurse practitioner's menu tree the ORRCMM NURSING option. You could then assign to this user the ORRCMM NURSING perspective.

Note: Although you can include more than one menu option in a user's menu tree, you can currently assign to that user only one dashboard perspective at a time. Assigning more than one dashboard at a given time adversely affects the behavior of HealtheVet Desktop/Care Management. For example, doing so impacts the functionality that determines which patients appear on users' dashboards.

Assigning Care Management Perspectives to Users

Before users can access Care Management, they must have an assigned perspective. You can assign perspectives to individual users through either of the following menus:

- A. HealtheVet Desktop Configuration [HD] menu, which is located within the CPRS Configuration (IRM) menu [CPRS CONFIGURATION (IRM)].
- B. General Parameter Tools menu [XPAR MENU TOOLS]

Assigning perspectives through either of these menu options establishes the value for the XHD PRISM PERSPECTIVE SELECTOR parameter.

A. Using the CPRS Configuration (IRM) Menu

To set the XHD PRISM PERSPECTIVE SELECTOR parameter using the CPRS Configuration (IRM) menu, follow these steps:

1. Log on to Vista.
2. From the CPRS Configuration (IRM) menu, type **HD** to select *HealtheVet Desktop Configuration...*

The following menu appears:

AM	Assign Perspective List to Multiple Users
AP	Assign Perspective List to User
AS	Assign Perspective List to Service

The HealthVet Desktop Configuration menu.

The **AM** selection enables you to choose a perspective and then iterate through the list of users to whom you want this perspective to apply. Care Management checks each user you enter. If the user does not have access to the perspective somewhere in his or her menu tree, Care Management displays a warning similar to the following:

DOE, JOHN does not have the ORRCMM Clinician Query in the menu tree.
You may need to add this as a secondary menu for this user.

When you use the **AP** selection to assign a perspective for a single user, Care Management checks this user and displays his or her current perspective, if applicable. You can then replace the current perspective with a new perspective. If the user does not have access to the perspective somewhere in his or her menu tree, Care Management displays a warning similar to the warning mentioned above.

When you use the **AS** selection to assign a perspective for a service, Care Management displays a note telling you that the perspective you assign must be available in the menu tree of each user who is assigned to this service.

3. At the *Select HealthVet Desktop Configuration Option* prompt, type one of the options listed above.
4. Select the person(s) to whom (or service to which) you want to assign a perspective, and enter one of the following choices at the *Select Perspective Option* prompt:
 - **ORRCMM CLINICIAN**
Select this option to assign to users or services the Clinician Dashboard and Sign List perspectives.
 - **ORRCMM CLINICIAN QUERY**
Select this option to assign to users or services the Clinician Dashboard, Query Tool, and Sign List perspectives.
 - **ORRCMM NURSING**
Select this option to assign to users or services the Nurse Dashboard and Sign List perspectives.
 - **ORRCMM NURSE QUERY.**
Select this option to assign to users or services the Nurse Dashboard, Query Tool, and Sign List perspectives.

B. Using the General Parameter Tools [XPAR MENU TOOLS] menu
To set the XHD PRISM PERSPECTIVE SELECTOR parameter using the General Parameter Tools [XPAR MENU TOOLS] menu, follow these steps:

1. Log on to Vista.
2. From the General Parameter Tools [XPAR MENU TOOLS] menu, select **EP** (Edit Parameter Values).
3. At the *Select PARAMETER DEFINITION NAME* prompt, type **XHD PRISM PERSPECTIVE SELECTOR**.

The General Parameter Tools menu displays the following options:

```
XHD PRISM PERSPECTIVE SELECTOR may be set for the following:
2   User           USR   [choose from NEW PERSON]
5   Service        SRV   [choose from SERVICE/SECTION]
Enter selection:
```

Options for setting the XHD PRISM PERSPECTIVE SELECTOR parameter

4. Set the XHD PRISM PERSPECTIVE SELECTOR parameter by typing one of the following at the *Enter Selection* prompt:

- **2** – for user level
- **5** – for service level

If you select 2, the *Select NEW PERSON NAME* prompt appears. If you select 5, the *Select SERVICE/SECTION* prompt appears.

5. Type the appropriate response.
The *Perspective Option* prompt appears.
6. Type one of the perspectives listed in Step 4 of the instructions for setting the XHD PRISM PERSPECTIVE SELECTOR parameter using the CPRS Configuration (IRM) menu.

Care Management also includes the ORRCMM TROUBLESHOOTER CLIN and ORRCMM TROUBLESHOOTER NURS options for developers and IRM staff. Along with the Sign List, Query Tool, and RPC Logger perspectives, these options assign either the Clinician or Nurse Dashboard perspective, respectively.

Assigning HealthVet Desktop Default Perspectives to Users

If a default perspective is set, the HealthVet Desktop displays this perspective each time users launch the HealthVet Desktop. Users can set their own default perspective using the *Preferences* dialog in the HealthVet Desktop GUI interface. You can also assign a default perspective to users through the General Parameter Tools menu [XPAR MENU TOOLS]. Assigning a default perspective through this menu option or the *Preferences* dialog establishes the value for the XHD PRISM DEFAULT PERSPECTIVE parameter. To set the XHD PRISM DEFAULT PERSPECTIVE parameter, follow these steps:

1. Log on to **VistA**.
2. From the General Parameter Tools [XPAR MENU TOOLS] menu, select **EP** (Edit Parameter Values).
3. At the *Select PARAMETER DEFINITION NAME* prompt, type **XHD PRISM DEFAULT PERSPECTIVE**.

The General Parameter Tools menu displays the following options:

```

XHD PRISM DEFAULT PERSPECTIVE may be set for the following:

      1   User           USR      [choose from NEW PERSON]
      2   Division      DIV      [choose from INSTITUTION]
      3   System        SYS      [TEST.FO-SLC.MED.VA.GOV]
```

Options for setting the XHD PRISM DEFAULT PERSPECTIVE parameter

4. Type one of the following at the *Enter Selection* prompt:
 - **1** – for user level
 - **2** – for Division level
 - **3** – for System level

If you select 1, the *Select NEW PERSON NAME* prompt appears; type the appropriate response.

If you select 2, the *Select INSTITUTION NAME* prompt appears; type the appropriate response.

If you select 3, the General Parameter Tools menu prompts you to enter a default perspective at the system level.

5. Type the appropriate default perspective. The following default perspectives are currently available for the HealthVet Desktop:

- | | |
|-------------------------|---------------------------------|
| • ORRCMP DASH CLINICIAN | clinicianDashboard |
| • ORRCMP DASH NURSING | dashboard.nurseDashboard |
| • ORRCMP QUERY TOOL | queryTool |
| • ORRCMP RPC LOGGER | rpclogger |
| • ORRCMP SIGN LIST | dashboard.signatureList |

Default perspective settings are case sensitive: To set a default perspective, you **MUST** enter only the text in the right-hand column, and you must enter it exactly as it appears. For example, if you want to set a user’s default perspective to the Clinician Dashboard, you must enter the following: `clinicianDashboard`. (Although VistA accepts the formal names of the perspectives—ORRCMP DASH CLINICIAN, for example—as default settings, it actually *sets* defaults *only* if you enter the settings exactly as they appear in the right-hand column.)

Note: Because Care Management is currently the only package that runs within the HealthVet Desktop, only Care Management perspectives are available as defaults. As additional programs become available, users will have more default options from which to choose.

Setting the Activation Date

You must specify an activation date for all users to whom you have assigned a clinician perspective. The activation date is the date after which unacknowledged orders and results begin accumulating in the Order Acknowledgement file (#102.4). These items then appear in users' Clinician Dashboards. Set this date to today, or to the date you expect new users to begin using Care Management

Note: If you do not set this date, unacknowledged orders and results do not appear on users' Clinician dashboards. The activation date is specified in the ORRC ACTIVATION DATE parameter, which you access via the CPRS Configuration (IRM) menu.

To specify the activation date, follow these steps:

1. Log on to VistA.
2. From the CPRS Configuration menu, type **XX** to select *General Parameter Tools...*
The following menu appears:

```
LV      List Values for a Selected Parameter
LE      List Values for a Selected Entity
LP      List Values for a Selected Package
LT      List Values for a Selected Template
EP      Edit Parameter Values
ET      Edit Parameter Values with Template
EK      Edit Parameter Definition Keyword
```

The General Parameter Tools menu

3. Type **EP** to select *Edit Parameter Values*.
The **Select PARAMETER DEFINITION NAME** prompt appears.
4. Type ORRC ACTIVATION DATE and press **Enter**. The ORRC ACTIVATION DATE menu appears.

```
ORRC ACTIVATION DATE may be set for the following:
  1  User          USR      [choose from NEW PERSON]
  5  Service       SRV      [choose from SERVICE/SECTION]
  7  Division      DIV      [INSTITUTION]
  8  System        SYS      [TEC.FO-SLC.MED.VA.GOV]
```

Enter selection:

The ORRC ACTIVATION DATE menu.

5. Set the ORRC ACTIVATION DATE parameter by typing one of the following at the **Enter selection** prompt:

- 1** – for user level
- 5** – for service level
- 7** – for division level
- 8** – for system level

6. If you selected 1, the **Select NEW PERSON NAME** prompt appears. Proceed to Step 7.
If you selected 5, the **Select SERVICE/SECTION** prompt appears. Proceed to Step 7.

If you selected 7 and your site has multiple divisions, the **Select INSTITUTION NAME** prompt appears. Proceed to Step 7.

If you selected 7 and your site does not have multiple divisions, the **ACTIVATION DATE** prompt appears. Proceed to Step 8.

If you selected 8, the **ACTIVATION DATE** prompt appears. Proceed to Step 8.

7. Type the appropriate response.

8. Enter an activation date.

Key Assignment

HealtheVet Desktop/Care Management introduces a new security key: ORRC QUERY RESULT EXPORT. Assign this key only to users who need to export or print reports generated through the Care Management Query Tool perspective.

HealtheVet Desktop/Care Management also uses these existing security keys, which should already be assigned to users who need them:

- ORELSE: Activates the Verify check box on the Nurse Dashboard
- ROR VA HEPC USER: Allows users to see Hepatitis C Registry information

Starting the HealtheVet Desktop Client

To start HealtheVet Desktop, double-click the shortcut icon that launches *HealtheVet Desktop.exe*.



The HealtheVet Desktop shortcut.

HealtheVet Desktop displays the following splash screen:



The HealtheVet Desktop splash screen.



Appendix A

M Environment

Namespaces

HealtheVet Desktop and Care Management introduce the following two new namespaces:

- HealtheVet Desktop uses the XHD namespace
- Care Management uses the ORRC namespace

Routines

Care Management Routines

Routine Name	Before Patch	After Patch
ORRCACK	N/A	16718022
ORRCDPT	N/A	8234797
ORRCDPT1	N/A	7145408
ORRCEVT	N/A	11759856
ORRCLNP	N/A	346861
ORRCLPT	N/A	167237
ORRCOR	N/A	10932106
ORRCQLPT	N/A	655056
ORRCSIG	N/A	3861497
ORRCTIU	N/A	7732981
ORRCTSK	N/A	12092332
ORRCVIT	N/A	6193321
ORRCXQ	N/A	6822488
ORRCYP	N/A	Deleted by KIDS
ORRCYP01	N/A	694333
ORRCYPRE	N/A	Deleted by KIDS

Note: KIDS automatically deletes ORRCYP and ORRCYPRE during installation.

HealtheVet Desktop Routines

Routine Name	Before Patch	After Patch
XHDAUTH	N/A	3506162
XHDLSITE	N/A	439357
XHDLXM	N/A	2711927
XHDPAR	N/A	1143058
XHDPARAM	N/A	2403196
XHDPCAT	N/A	7379602
XHDPDEF	N/A	10625853
XHDPEDIT	N/A	15247983

Routine Name	Before Patch	After Patch
XHDP MUT	N/A	15990002
XHDPTREE	N/A	18326849
XHDTST	N/A	1494891
XHDX	N/A	5124599
XHDYP	N/A	Deleted by KIDS
XHDYP01	N/A	5305893
XHDYPRE	N/A	Deleted by KIDS

Note: KIDS automatically deletes XHDYP and XHDYPRE during installation.

Order Entry/Results Reporting Routines

Routine Name	Before Patch	After Patch	Patch List
ORMGMRC	13167976	13132686	3,26,68,92,153,174
ORMLR	15787408	15750738	3,92,153,174
ORMRA	16745714	16636881	3,53,92,110,136,153,174
ORQRY	12139285	13209480	153,174
ORQRY01	3225198	3358512	153,174
ORRH CQ	10731016	11163298	153,174
ORRH CQ1	N/A	5754434	174
ORRHCU	3625231	4550193	153,174
ORRU	N/A	1398273	174

Files and Globals

HealtheVet Desktop and Care Management introduce the following new globals:

- ^ORA
- ^ORRT
- ^XHD

The ^ORA global holds acknowledgments for results and the ^ORRT global holds tasks: because these two globals have the potential for significant growth, you should place each of them on a single volume with ample free space. The ^XHD global currently holds parameter categories that the HealtheVet Desktop uses in the Preferences Dialog. In the future, this global may also hold new files that the HealtheVet Desktop needs for data persistence. Because this global is small and will probably remain small, place it on a single volume with a moderate amount of free space for growth.

The Care Management Query Tool also uses the existing ^TMP global for executing and displaying queries.

New Files

File #	File Name	Root Global	Global Protection
102.3	PATIENT TASK	^ORRT(102.3,	@
102.4	ORDER ACKNOWLEDGEMENT	^ORA(102.4,	@
8935.91	XHD PARAMETER CATEGORY	^XHD(8935.91,	@

Existing (Updated) Files

File #	File Name	Root Global	Global Protection
102.21	CPRS QUERY DEFINITION	^ORD(102.21,	@

Journaling

^ORA, ^ORRT, and ^XHD are dynamic and therefore require journaling.

Protection

Protection				
Global Name	DSM for OpenVMS		Cache	
	^ORA	System:	RWP	Owner:
World:		RW	Group:	N
Group:		RW	World:	N
UCI:		RW	Network:	RWD
^ORRT	System:	RWP	Owner:	RWD
	World:	RW	Group:	N
	Group:	RW	World:	N
	UCI:	RW	Network:	RWD
^XHD	System:	RWP	Owner:	RWD
	World:	RW	Group:	N
	Group:	RW	World:	N
	UCI:	RW	Network:	RWD

Appendix B

M Installation

Following is a capture of a first-time HealtheVet Desktop/Care Management M server installation:

```
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: 1 Load a Distribution
```

```
Enter a Host File: C:\UPLOAD\OR_30_174.KID
```

```
(Note: This example is based on an NT/Cache operating system. Please enter the appropriate syntax
for your operating system.)
```

```
KIDS Distribution saved on Jan 16, 2004 @ 09:42:45
```

```
Comment: OR 3 174, XHD 1.0, and ORRC 1.0 created on Jan 16, 2004 @ 09:42:45
```

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

```
OR*3.0*174
XHD PARAMETERS 1.0
XHD 1.0
ORRC PARAMETERS 1.0
ORRC 1.0
```

```
Distribution OK!
```

```
Want to Continue with Load? YES//
```

```
Loading Distribution...
```

XHD PARAMETERS 1.0  
XHD 1.0  
ORRC PARAMETERS 1.0  
ORRC 1.0

Use INSTALL NAME: OR\*3.0\*174 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 INSTALL NAME: OR\*3.0\*174

Loaded from Distribution 2/3/04@11:05:40

=> OR 3 174, XHD 1.0, and ORRC 1.0; Created on Jan 16, 2004@09:42:45

This Distribution was loaded on Feb 03, 2004@11:05:40 with header of

OR 3 174, XHD 1.0, and ORRC 1.0; Created on Jan 16, 2004@09:42:45

It consisted of the following Install(s):

OR\*3.0\*174XHD PARAMETERS 1.0 XHD 1.0 ORRC PARAMETERS 1.0  
ORRC 1.0

Checking Install for Package OR\*3.0\*174

Install Questions for OR\*3.0\*174

Checking Install for Package XHD PARAMETERS 1.0

Install Questions for XHD PARAMETERS 1.0

Checking Install for Package XHD 1.0

Install Questions for XHD 1.0

Incoming Files:

8935.91 XHD PARAMETER CATEGORY (including data)

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

Checking Install for Package ORRC PARAMETERS 1.0

Install Questions for ORRC PARAMETERS 1.0

Checking Install for Package ORRC 1.0

Install Questions for ORRC 1.0

Incoming Files:

102.21 CPRS QUERY DEFINITION (including data)

Note: You already have the 'CPRS QUERY DEFINITION' File.  
I will REPLACE your data with mine.

102.3 PATIENT TASK

102.4 ORDER ACKNOWLEDGEMENT

8935.91 XHD PARAMETER CATEGORY (including data)

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

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

Want to DISABLE Scheduled Options, Menu Options, and Protocols? YES// 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// TELNET PORT

OR\*3.0\*174

Install Started for OR\*3.0\*174 :

Feb 03, 2004@11:06:46

Build Distribution Date: Jan 16, 2004

Installing Routines:

Feb 03, 2004@11:06:46

Installing PACKAGE COMPONENTS:

Installing REMOTE PROCEDURE:

Feb 03, 2004@11:06:46

Updating Routine file...

Updating KIDS files...

OR\*3.0\*174 Installed.

Feb 03, 2004@11:06:46

Install Message sent #87591

XHD PARAMETERS 1.0

Install Started for XHD PARAMETERS 1.0 :

Feb 03, 2004@11:06:46

Build Distribution Date: Jan 16, 2004

Installing Routines: 020;22H 020;22H

Feb 03, 2004@11:06:46

Installing PACKAGE COMPONENTS:

Installing PARAMETER DEFINITION

Feb 03, 2004@11:06:46

Updating Routine file...

Updating KIDS files...

XHD PARAMETERS 1.0 Installed.  
Feb 03, 2004@11:06:46

No link to PACKAGE file

NO Install Message sent

XHD 1.0

Install Started for XHD 1.0 :  
Feb 03, 2004@11:06:46

Build Distribution Date: Jan 16, 2004

Installing Routines:  
Feb 03, 2004@11:06:46

Running Pre-Install Routine: ^XHDYPRE

Installing Data Dictionaries:  
Feb 03, 2004@11:06:46

Installing Data:  
Feb 03, 2004@11:06:46

Installing PACKAGE COMPONENTS:

Installing REMOTE PROCEDURE

Installing OPTION  
Feb 03, 2004@11:06:47

Running Post-Install Routine: ^XHDYP

Updating Routine file...

Updating KIDS files...

XHD 1.0 Installed.  
Feb 03, 2004@11:06:47

Install Message sent #87601

## ORRC PARAMETERS 1.0

Install Started for ORRC PARAMETERS 1.0 :

Feb 03, 2004@11:06:47

Build Distribution Date: Jan 16, 2004

Installing Routines:

Feb 03, 2004@11:06:47

Installing PACKAGE COMPONENTS:

Installing PARAMETER DEFINITION

Feb 03, 2004@11:06:47

Updating Routine file...

Updating KIDS files...

ORRC PARAMETERS 1.0 Installed.

Feb 03, 2004@11:06:47

No link to PACKAGE file

NO Install Message sent

## ORRC 1.0

Install Started for ORRC 1.0 :

Feb 03, 2004@11:06:47

Build Distribution Date: Jan 16, 2004

Installing Routines:

Feb 03, 2004@11:06:47

Running Pre-Install Routine: ^ORRCYPRE

Installing Data Dictionaries:

Feb 03, 2004@11:06:47

Installing Data:

Feb 03, 2004@11:06:47

Installing PACKAGE COMPONENTS:

Installing SECURITY KEY  
ORRC 1.0

Installing REMOTE PROCEDURE

Installing OPTION  
Feb 03, 2004@11:06:47

Running Post-Install Routine: ^ORRCYP

Updating Routine file...

Updating KIDS files...

ORRC 1.0 Installed.  
Feb 03, 2004@11:06:47

Install Message sent #87611

Install Completed

## Appendix C

### Zipped Files

#### CMAUTOINSTALL.ZIP

The following table includes a comprehensive listing of the files contained in CMAUTOINSTALL.ZIP.

| File Name                          | Directory                       |
|------------------------------------|---------------------------------|
| construct.bat                      |                                 |
| HealtheVetDesktop.exe              | applications\healthevetdesktop\ |
| j2re-1_4_2_01-windows-i586.exe     | applications\java\              |
| _INST32I.EX_                       | applications\sentillion\        |
| _ISDel.exe                         | applications\sentillion\        |
| _Setup.dll                         | applications\sentillion\        |
| _sys1.cab                          | applications\sentillion\        |
| _sys1.hdr                          | applications\sentillion\        |
| _user1.cab                         | applications\sentillion\        |
| _user1.hdr                         | applications\sentillion\        |
| autorun.inf                        | applications\sentillion\        |
| BuildInfo.txt                      | applications\sentillion\        |
| DATA.TAG                           | applications\sentillion\        |
| Data1.cab                          | applications\sentillion\        |
| Data1.hdr                          | applications\sentillion\        |
| desktopinstallguide.pdf            | applications\sentillion\        |
| disclaimer.txt                     | applications\sentillion\        |
| lang.dat                           | applications\sentillion\        |
| layout.bin                         | applications\sentillion\        |
| os.dat                             | applications\sentillion\        |
| readme.htm                         | applications\sentillion\        |
| setup.bmp                          | applications\sentillion\        |
| Setup.exe                          | applications\sentillion\        |
| SETUP.INI                          | applications\sentillion\        |
| setup.ins                          | applications\sentillion\        |
| setup.iss                          | applications\sentillion\        |
| setup.iss.old                      | applications\sentillion\        |
| setup.lid                          | applications\sentillion\        |
| setup.log                          | applications\sentillion\        |
| Care Management Install Script.doc | doc\                            |
| cminstall.bat                      | etc\                            |
| directories.bat                    | etc\                            |
| settings.orig                      | etc\                            |
| settings.txt                       | etc\                            |
| setup1.txt                         | etc\                            |
| setup3.txt                         | etc\                            |

| File Name           | Directory |
|---------------------|-----------|
| CheckJRE1_4_1.exe   | util\     |
| CheckSentillion.exe | util\     |
| pkunzip.exe         | util\     |
| Reg.exe             | util\     |
| Shortcut.exe        | util\     |
| sleep.exe           | util\     |

### OR\_30\_174.ZIP

The following table includes a comprehensive listing of the files contained in OR\_30\_174.ZIP.

| File Name                  | Directory                                          |
|----------------------------|----------------------------------------------------|
| config.xml                 |                                                    |
| example.settings           |                                                    |
| testconfig.settings        |                                                    |
| HealtheVetDesktop.exe      | client\                                            |
| HealtheVetDesktop.settings | client\                                            |
| RunUpdated.exe             | client\                                            |
| ant.jar                    | plugins\ant\                                       |
| optional.jar               | plugins\ant\                                       |
| xercesImpl.jar             | plugins\ant\                                       |
| xml-apis.jar               | plugins\ant\                                       |
| manifest.xml               | plugins\com.sentillion_0.9.0\                      |
| WebJContextor.jar          | plugins\com.sentillion_0.9.0\                      |
| WebJDesktop.jar            | plugins\com.sentillion_0.9.0\                      |
| jh.jar                     | plugins\com.sun.java.help_1.1.3\                   |
| jhall.jar                  | plugins\com.sun.java.help_1.1.3\                   |
| jhbasic.jar                | plugins\com.sun.java.help_1.1.3\                   |
| jsearch.jar                | plugins\com.sun.java.help_1.1.3\                   |
| manifest.xml               | plugins\com.sun.java.help_1.1.3\                   |
| src.jar                    | plugins\com.sun.java.help_1.1.3\                   |
| isorelax.jar               | plugins\com.sun.msv_0.9.0\                         |
| manifest.xml               | plugins\com.sun.msv_0.9.0\                         |
| msv.jar                    | plugins\com.sun.msv_0.9.0\                         |
| relaxngDatatype.jar        | plugins\com.sun.msv_0.9.0\                         |
| xsdlib.jar                 | plugins\com.sun.msv_0.9.0\                         |
| manifest.xml               | plugins\gov.va.med.foundations_1.0.3\              |
| vljConnector_1.0.jar       | plugins\gov.va.med.foundations_1.0.3\              |
| vljFoundationsLib_1.0.jar  | plugins\gov.va.med.foundations_1.0.3\              |
| vljSecurity_1.0.jar        | plugins\gov.va.med.foundations_1.0.3\              |
| ccow.jar                   | plugins\gov.va.med.hds.cd.ccow.api_1.0.0\          |
| manifest.xml               | plugins\gov.va.med.hds.cd.ccow.api_1.0.0\          |
| ccow.core.jar              | plugins\gov.va.med.hds.cd.ccow.core_1.0.0\         |
| manifest.xml               | plugins\gov.va.med.hds.cd.ccow.core_1.0.0\         |
| ccow.desktop.core.jar      | plugins\gov.va.med.hds.cd.ccow.desktop.core_1.0.0\ |

| File Name            | Directory                                          |
|----------------------|----------------------------------------------------|
| manifest.xml         | plugins\gov.va.med.hds.cd.ccow.desktop.core_1.0.0\ |
| ccow.desktop.ui.jar  | plugins\gov.va.med.hds.cd.ccow.desktop.ui_1.0.0\   |
| manifest.xml         | plugins\gov.va.med.hds.cd.ccow.desktop.ui_1.0.0\   |
| ccow.test.jar        | plugins\gov.va.med.hds.cd.ccow.test_1.0.0\         |
| manifest.xml         | plugins\gov.va.med.hds.cd.ccow.test_1.0.0\         |
| ccow.ui.jar          | plugins\gov.va.med.hds.cd.ccow.ui_1.0.0\           |
| manifest.xml         | plugins\gov.va.med.hds.cd.ccow.ui_1.0.0\           |
| manifest.xml         | plugins\gov.va.med.hds.cd.ccow_1.0.0\              |
| config.api.jar       | plugins\gov.va.med.hds.cd.config.api_1.0.0\        |
| manifest.xml         | plugins\gov.va.med.hds.cd.config.api_1.0.0\        |
| config.core.jar      | plugins\gov.va.med.hds.cd.config.core_1.0.1\       |
| manifest.xml         | plugins\gov.va.med.hds.cd.config.core_1.0.1\       |
| config.dev.jar       | plugins\gov.va.med.hds.cd.config.dev_1.0.0\        |
| manifest.xml         | plugins\gov.va.med.hds.cd.config.dev_1.0.0\        |
| config.test.jar      | plugins\gov.va.med.hds.cd.config.test_1.0.1\       |
| manifest.xml         | plugins\gov.va.med.hds.cd.config.test_1.0.1\       |
| config.ui.jar        | plugins\gov.va.med.hds.cd.config.ui_1.0.0\         |
| manifest.xml         | plugins\gov.va.med.hds.cd.config.ui_1.0.0\         |
| manifest.xml         | plugins\gov.va.med.hds.cd.config_1.0.0\            |
| daoregistry.jar      | plugins\gov.va.med.hds.cd.daoregistry.api_1.0.0\   |
| manifest.xml         | plugins\gov.va.med.hds.cd.daoregistry.api_1.0.0\   |
| daoregistry.core.jar | plugins\gov.va.med.hds.cd.daoregistry.core_1.0.0\  |
| manifest.xml         | plugins\gov.va.med.hds.cd.daoregistry.core_1.0.0\  |
| daoregistry.test.jar | plugins\gov.va.med.hds.cd.daoregistry.test_1.0.0\  |
| manifest.xml         | plugins\gov.va.med.hds.cd.daoregistry.test_1.0.0\  |
| manifest.xml         | plugins\gov.va.med.hds.cd.daoregistry_1.0.0\       |
| help.jar             | plugins\gov.va.med.hds.cd.help.api_1.0.0\          |
| manifest.xml         | plugins\gov.va.med.hds.cd.help.api_1.0.0\          |
| help.core.jar        | plugins\gov.va.med.hds.cd.help.core_1.0.3\         |
| manifest.xml         | plugins\gov.va.med.hds.cd.help.core_1.0.3\         |
| help.test.jar        | plugins\gov.va.med.hds.cd.help.test_1.0.0\         |
| manifest.xml         | plugins\gov.va.med.hds.cd.help.test_1.0.0\         |
| help.ui.jar          | plugins\gov.va.med.hds.cd.help.ui_1.0.0\           |
| manifest.xml         | plugins\gov.va.med.hds.cd.help.ui_1.0.0\           |
| manifest.xml         | plugins\gov.va.med.hds.cd.help_1.0.0\              |
| itest.jar            | plugins\gov.va.med.hds.cd.itest_1.0.0\             |
| manifest.xml         | plugins\gov.va.med.hds.cd.itest_1.0.0\             |
| m.jar                | plugins\gov.va.med.hds.cd.m.api_1.0.1\             |
| manifest.xml         | plugins\gov.va.med.hds.cd.m.api_1.0.1\             |
| m.core.jar           | plugins\gov.va.med.hds.cd.m.core_1.0.5\            |
| manifest.xml         | plugins\gov.va.med.hds.cd.m.core_1.0.5\            |
| m.test.jar           | plugins\gov.va.med.hds.cd.m.test_1.0.1\            |
| manifest.xml         | plugins\gov.va.med.hds.cd.m.test_1.0.1\            |
| manifest.xml         | plugins\gov.va.med.hds.cd.m_1.0.0\                 |

| File Name              | Directory                                       |
|------------------------|-------------------------------------------------|
| manifest.xml           | plugins\gov.va.med.hds.cd.mum.config_1.0.0\     |
| mum.config.jar         | plugins\gov.va.med.hds.cd.mum.config_1.0.0\     |
| manifest.xml           | plugins\gov.va.med.hds.cd.mum.test_1.0.0\       |
| mum.test.jar           | plugins\gov.va.med.hds.cd.mum.test_1.0.0\       |
| WinUtils.dll           | plugins\gov.va.med.hds.cd.mum.test_1.0.0\       |
| boot.jar               | plugins\gov.va.med.hds.cd.mum_1.0.0\            |
| manifest.xml           | plugins\gov.va.med.hds.cd.mum_1.0.0\            |
| mum.jar                | plugins\gov.va.med.hds.cd.mum_1.0.0\            |
| manifest.xml           | plugins\gov.va.med.hds.cd.print.api_1.0.0\      |
| print.jar              | plugins\gov.va.med.hds.cd.print.api_1.0.0\      |
| manifest.xml           | plugins\gov.va.med.hds.cd.print.core_1.0.0\     |
| print.core.jar         | plugins\gov.va.med.hds.cd.print.core_1.0.0\     |
| manifest.xml           | plugins\gov.va.med.hds.cd.print.test_1.0.1\     |
| print.test.jar         | plugins\gov.va.med.hds.cd.print.test_1.0.1\     |
| manifest.xml           | plugins\gov.va.med.hds.cd.print.ui_1.0.0\       |
| print.ui.jar           | plugins\gov.va.med.hds.cd.print.ui_1.0.0\       |
| manifest.xml           | plugins\gov.va.med.hds.cd.print_1.0.0\          |
| manifest.xml           | plugins\gov.va.med.hds.cd.prism.api_1.0.0\      |
| prism.api.jar          | plugins\gov.va.med.hds.cd.prism.api_1.0.0\      |
| manifest.xml           | plugins\gov.va.med.hds.cd.prism.core_1.0.1\     |
| prism.core.jar         | plugins\gov.va.med.hds.cd.prism.core_1.0.1\     |
| manifest.xml           | plugins\gov.va.med.hds.cd.prism.help_1.0.0\     |
| prism.help.content.jar | plugins\gov.va.med.hds.cd.prism.help_1.0.0\     |
| prism.help.jar         | plugins\gov.va.med.hds.cd.prism.help_1.0.0\     |
| manifest.xml           | plugins\gov.va.med.hds.cd.prism.test_1.0.0\     |
| prism.test.jar         | plugins\gov.va.med.hds.cd.prism.test_1.0.0\     |
| manifest.xml           | plugins\gov.va.med.hds.cd.prism_1.0.0\          |
| manifest.xml           | plugins\gov.va.med.hds.cd.rpclogger.test_1.0.1\ |
| rpclogger.test.jar     | plugins\gov.va.med.hds.cd.rpclogger.test_1.0.1\ |
| manifest.xml           | plugins\gov.va.med.hds.cd.rpclogger_1.0.0\      |
| rpclogger.jar          | plugins\gov.va.med.hds.cd.rpclogger_1.0.0\      |
| manifest.xml           | plugins\gov.va.med.hds.cd.runtime.api_1.0.0\    |
| runtime.api.jar        | plugins\gov.va.med.hds.cd.runtime.api_1.0.0\    |
| manifest.xml           | plugins\gov.va.med.hds.cd.runtime.core_1.0.2\   |
| runtime.core.jar       | plugins\gov.va.med.hds.cd.runtime.core_1.0.2\   |
| manifest.xml           | plugins\gov.va.med.hds.cd.runtime.test_1.0.1\   |
| runtime.test.jar       | plugins\gov.va.med.hds.cd.runtime.test_1.0.1\   |
| manifest.xml           | plugins\gov.va.med.hds.cd.runtime_1.0.0\        |
| manifest.xml           | plugins\gov.va.med.hds.cd.security.api_1.0.1\   |
| security.jar           | plugins\gov.va.med.hds.cd.security.api_1.0.1\   |
| manifest.xml           | plugins\gov.va.med.hds.cd.security.core_1.0.0\  |
| security.core.jar      | plugins\gov.va.med.hds.cd.security.core_1.0.0\  |
| manifest.xml           | plugins\gov.va.med.hds.cd.security.test_1.0.0\  |
| security.test.jar      | plugins\gov.va.med.hds.cd.security.test_1.0.0\  |

| File Name                          | Directory                                              |
|------------------------------------|--------------------------------------------------------|
| manifest.xml                       | plugins\gov.va.med.hds.cd.security_1.0.0\              |
| manifest.xml                       | plugins\gov.va.med.hds.cd.session.api_1.0.0\           |
| session.api.jar                    | plugins\gov.va.med.hds.cd.session.api_1.0.0\           |
| manifest.xml                       | plugins\gov.va.med.hds.cd.session.core_1.0.0\          |
| session.core.jar                   | plugins\gov.va.med.hds.cd.session.core_1.0.0\          |
| manifest.xml                       | plugins\gov.va.med.hds.cd.session_1.0.0\               |
| ConnectorC++.dll                   | plugins\gov.va.med.hds.cd.sharedbroker_1.0.0\          |
| manifest.xml                       | plugins\gov.va.med.hds.cd.sharedbroker_1.0.0\          |
| manifest.xml                       | plugins\gov.va.med.hds.cd.spectrum.test_1.0.1\         |
| spectrum.test.jar                  | plugins\gov.va.med.hds.cd.spectrum.test_1.0.1\         |
| manifest.xml                       | plugins\gov.va.med.hds.cd.spectrum_1.0.2\              |
| spectrum.jar                       | plugins\gov.va.med.hds.cd.spectrum_1.0.2\              |
| manifest.xml                       | plugins\gov.va.med.hds.cd.test_1.0.1\                  |
| test.jar                           | plugins\gov.va.med.hds.cd.test_1.0.1\                  |
| manifest.xml                       | plugins\gov.va.med.hds.cd.url.api_1.0.0\               |
| url.jar                            | plugins\gov.va.med.hds.cd.url.api_1.0.0\               |
| manifest.xml                       | plugins\gov.va.med.hds.cd.url.core_1.0.0\              |
| url.core.jar                       | plugins\gov.va.med.hds.cd.url.core_1.0.0\              |
| manifest.xml                       | plugins\gov.va.med.hds.cd.url.test_1.0.0\              |
| url.test.jar                       | plugins\gov.va.med.hds.cd.url.test_1.0.0\              |
| manifest.xml                       | plugins\gov.va.med.hds.cd.url_1.0.0\                   |
| manifest.xml                       | plugins\gov.va.med.hds.cd.workspace.api_1.0.0\         |
| workspace.api.jar                  | plugins\gov.va.med.hds.cd.workspace.api_1.0.0\         |
| manifest.xml                       | plugins\gov.va.med.hds.cd.workspace.core_1.0.0\        |
| workspace.core.jar                 | plugins\gov.va.med.hds.cd.workspace.core_1.0.0\        |
| manifest.xml                       | plugins\gov.va.med.hds.cd.workspace.test_1.0.0\        |
| workspace.test.jar                 | plugins\gov.va.med.hds.cd.workspace.test_1.0.0\        |
| manifest.xml                       | plugins\gov.va.med.hds.cd.workspace_1.0.0\             |
| clinicaldata.jar                   | plugins\gov.va.med.hds.clinicaldata.api_1.0.0\         |
| manifest.xml                       | plugins\gov.va.med.hds.clinicaldata.api_1.0.0\         |
| clinicaldata.core.jar              | plugins\gov.va.med.hds.clinicaldata.core_1.0.0\        |
| manifest.xml                       | plugins\gov.va.med.hds.clinicaldata.core_1.0.0\        |
| clinicaldata.dao.jar               | plugins\gov.va.med.hds.clinicaldata.dao_1.0.0\         |
| manifest.xml                       | plugins\gov.va.med.hds.clinicaldata.dao_1.0.0\         |
| clinicaldata.test.jar              | plugins\gov.va.med.hds.clinicaldata.test_1.0.0\        |
| manifest.xml                       | plugins\gov.va.med.hds.clinicaldata.test_1.0.0\        |
| clinicaldata.ui.jar                | plugins\gov.va.med.hds.clinicaldata.ui_1.0.0\          |
| manifest.xml                       | plugins\gov.va.med.hds.clinicaldata.ui_1.0.0\          |
| manifest.xml                       | plugins\gov.va.med.hds.clinicaldata_1.0.0\             |
| dashboard.clinician.jar            | plugins\gov.va.med.hds.dashboard.clinician.api_1.0.0\  |
| manifest.xml                       | plugins\gov.va.med.hds.dashboard.clinician.api_1.0.0\  |
| dashboard.clinician.core.jar       | plugins\gov.va.med.hds.dashboard.clinician.core_1.0.0\ |
| manifest.xml                       | plugins\gov.va.med.hds.dashboard.clinician.core_1.0.0\ |
| dashboard.clinician.ui.content.jar | plugins\gov.va.med.hds.dashboard.clinician.ui_1.0.2\   |

| File Name                      | Directory                                            |
|--------------------------------|------------------------------------------------------|
| dashboard.clinician.ui.jar     | plugins\gov.va.med.hds.dashboard.clinician.ui_1.0.2\ |
| manifest.xml                   | plugins\gov.va.med.hds.dashboard.clinician.ui_1.0.2\ |
| manifest.xml                   | plugins\gov.va.med.hds.dashboard.clinician_1.0.0\    |
| dashboard.common.api.jar       | plugins\gov.va.med.hds.dashboard.common.api_1.0.1\   |
| manifest.xml                   | plugins\gov.va.med.hds.dashboard.common.api_1.0.1\   |
| dashboard.common.core.jar      | plugins\gov.va.med.hds.dashboard.common.core_1.0.4\  |
| manifest.xml                   | plugins\gov.va.med.hds.dashboard.common.core_1.0.4\  |
| dashboard.common.ui.jar        | plugins\gov.va.med.hds.dashboard.common.ui_1.0.7\    |
| manifest.xml                   | plugins\gov.va.med.hds.dashboard.common.ui_1.0.7\    |
| manifest.xml                   | plugins\gov.va.med.hds.dashboard.common_1.0.0\       |
| dashboard.items.api.jar        | plugins\gov.va.med.hds.dashboard.items.api_1.0.1\    |
| manifest.xml                   | plugins\gov.va.med.hds.dashboard.items.api_1.0.1\    |
| dashboard.items.core.jar       | plugins\gov.va.med.hds.dashboard.items.core_1.0.0\   |
| manifest.xml                   | plugins\gov.va.med.hds.dashboard.items.core_1.0.0\   |
| manifest.xml                   | plugins\gov.va.med.hds.dashboard.items_1.0.0\        |
| dashboard.nurse.api.jar        | plugins\gov.va.med.hds.dashboard.nurse.api_1.0.1\    |
| manifest.xml                   | plugins\gov.va.med.hds.dashboard.nurse.api_1.0.1\    |
| dashboard.nurse.core.jar       | plugins\gov.va.med.hds.dashboard.nurse.core_1.0.2\   |
| manifest.xml                   | plugins\gov.va.med.hds.dashboard.nurse.core_1.0.2\   |
| dashboard.nurse.ui.content.jar | plugins\gov.va.med.hds.dashboard.nurse.ui_1.0.2\     |
| dashboard.nurse.ui.jar         | plugins\gov.va.med.hds.dashboard.nurse.ui_1.0.2\     |
| manifest.xml                   | plugins\gov.va.med.hds.dashboard.nurse.ui_1.0.2\     |
| manifest.xml                   | plugins\gov.va.med.hds.dashboard.nurse_1.0.0\        |
| manifest.xml                   | plugins\gov.va.med.hds.querytool.api_1.0.4\          |
| querytool.api.jar              | plugins\gov.va.med.hds.querytool.api_1.0.4\          |
| manifest.xml                   | plugins\gov.va.med.hds.querytool.core_1.0.12\        |
| querytool.core.jar             | plugins\gov.va.med.hds.querytool.core_1.0.12\        |
| manifest.xml                   | plugins\gov.va.med.hds.querytool.help_1.0.1\         |
| querytool.help.content.jar     | plugins\gov.va.med.hds.querytool.help_1.0.1\         |
| querytool.help.jar             | plugins\gov.va.med.hds.querytool.help_1.0.1\         |
| manifest.xml                   | plugins\gov.va.med.hds.querytool.test_1.0.6\         |
| querytool.test.jar             | plugins\gov.va.med.hds.querytool.test_1.0.6\         |
| manifest.xml                   | plugins\gov.va.med.hds.querytool.ui_1.0.8\           |
| querytool.ui.jar               | plugins\gov.va.med.hds.querytool.ui_1.0.8\           |
| manifest.xml                   | plugins\gov.va.med.hds.querytool_1.0.0\              |
| manifest.xml                   | plugins\gov.va.med.hds.signature.api_1.0.0\          |
| signature.api.jar              | plugins\gov.va.med.hds.signature.api_1.0.0\          |
| manifest.xml                   | plugins\gov.va.med.hds.signature.core_1.0.0\         |
| signature.core.jar             | plugins\gov.va.med.hds.signature.core_1.0.0\         |
| manifest.xml                   | plugins\gov.va.med.hds.signature.ui_1.0.0\           |
| signature.ui.content.jar       | plugins\gov.va.med.hds.signature.ui_1.0.0\           |
| signature.ui.jar               | plugins\gov.va.med.hds.signature.ui_1.0.0\           |
| manifest.xml                   | plugins\gov.va.med.hds.signature_1.0.0\              |
| manifest.xml                   | plugins\gov.va.med.hds.task_1.0.2\                   |

| <b>File Name</b>       | <b>Directory</b>                           |
|------------------------|--------------------------------------------|
| task.content.jar       | plugins\gov.va.med.hds.task_1.0.2\         |
| task.jar               | plugins\gov.va.med.hds.task_1.0.2\         |
| manifest.xml           | plugins\gov.va.med.hds.util.dao.api_1.0.0\ |
| util.dao.api.jar       | plugins\gov.va.med.hds.util.dao.api_1.0.0\ |
| manifest.xml           | plugins\gov.va.med.hds.util.dao_1.0.0\     |
| manifest.xml           | plugins\gov.va.med.hds.util.m.test_1.0.2\  |
| util.m.test.jar        | plugins\gov.va.med.hds.util.m.test_1.0.2\  |
| manifest.xml           | plugins\gov.va.med.hds.util.m_1.0.0\       |
| util.m.jar             | plugins\gov.va.med.hds.util.m_1.0.0\       |
| manifest.xml           | plugins\gov.va.med.hds.util.test_1.0.2\    |
| util.test.jar          | plugins\gov.va.med.hds.util.test_1.0.2\    |
| manifest.xml           | plugins\gov.va.med.hds.util_1.0.2\         |
| OSUtils.dll            | plugins\gov.va.med.hds.util_1.0.2\         |
| util.jar               | plugins\gov.va.med.hds.util_1.0.2\         |
| j2ee.jar               | plugins\j2ee_1.3.1\                        |
| manifest.xml           | plugins\j2ee_1.3.1\                        |
| jawin.jar              | plugins\jawin\                             |
| jargs.jar              | plugins\net.sourceforge.jargs_0.4.0\       |
| LICENCE                | plugins\net.sourceforge.jargs_0.4.0\       |
| manifest.xml           | plugins\net.sourceforge.jargs_0.4.0\       |
| src.jar                | plugins\net.sourceforge.jargs_0.4.0\       |
| jfcunit.jar            | plugins\net.sourceforge.jfcunit_1.4.0\     |
| license.txt            | plugins\net.sourceforge.jfcunit_1.4.0\     |
| manifest.xml           | plugins\net.sourceforge.jfcunit_1.4.0\     |
| LICENSE.txt            | plugins\net.sourceforge.xmlunit_0.8.0\     |
| manifest.xml           | plugins\net.sourceforge.xmlunit_0.8.0\     |
| xmlunit0.8.jar         | plugins\net.sourceforge.xmlunit_0.8.0\     |
| jdev-rt.jar            | plugins\oracle\                            |
| LICENSE.txt            | plugins\org.apache.jakarta.log4j_1.2.8\    |
| log4j-1.2.8.jar        | plugins\org.apache.jakarta.log4j_1.2.8\    |
| manifest.xml           | plugins\org.apache.jakarta.log4j_1.2.8\    |
| jakarta-regexp-1.2.jar | plugins\org.apache.regexp_1.2.0\           |
| LICENSE.txt            | plugins\org.apache.regexp_1.2.0\           |
| manifest.xml           | plugins\org.apache.regexp_1.2.0\           |
| LICENSE                | plugins\org.apache.xerces_2.3.0\           |
| LICENSE-DOM.html       | plugins\org.apache.xerces_2.3.0\           |
| LICENSE-SAX.html       | plugins\org.apache.xerces_2.3.0\           |
| manifest.xml           | plugins\org.apache.xerces_2.3.0\           |
| xercesImpl.jar         | plugins\org.apache.xerces_2.3.0\           |
| xercesSamples.jar      | plugins\org.apache.xerces_2.3.0\           |
| xml-apis.jar           | plugins\org.apache.xerces_2.3.0\           |
| xmlParserAPIs.jar      | plugins\org.apache.xerces_2.3.0\           |
| dom4j-core.jar         | plugins\org.jaxen_0.9.0\                   |
| jaxen-core.jar         | plugins\org.jaxen_0.9.0\                   |

| <b>File Name</b> | <b>Directory</b>              |
|------------------|-------------------------------|
| jaxen-dom.jar    | plugins\org.jaxen_0.9.0\      |
| jaxen-dom4j.jar  | plugins\org.jaxen_0.9.0\      |
| jaxen-exml.jar   | plugins\org.jaxen_0.9.0\      |
| jaxen-full.jar   | plugins\org.jaxen_0.9.0\      |
| jaxen-jdom.jar   | plugins\org.jaxen_0.9.0\      |
| manifest.xml     | plugins\org.jaxen_0.9.0\      |
| junit.jar        | plugins\org.junit_3.8.1\      |
| license.htm      | plugins\org.junit_3.8.1\      |
| manifest.xml     | plugins\org.junit_3.8.1\      |
| src.jar          | plugins\org.junit_3.8.1\      |
| license.html     | plugins\org.mockmaker_1.12.0\ |
| manifest.xml     | plugins\org.mockmaker_1.12.0\ |
| mmmobjects.jar   | plugins\org.mockmaker_1.12.0\ |
| MockMaker.jar    | plugins\org.mockmaker_1.12.0\ |
| license.txt      | plugins\org.saxpath_0.0.0\    |
| manifest.xml     | plugins\org.saxpath_0.0.0\    |
| saxpath.jar      | plugins\org.saxpath_0.0.0\    |