

Chapter 2

Installing HEC-DSSVue

This chapter describes the minimum and recommended computer system requirements for running the program, and it explains how to install and uninstall the software.

2.1 Operating System Requirements

The program is multi-platform capable and has been produced for the following computer operating systems:

- Microsoft Windows 98 and ME
- Microsoft Windows NT 4.0, 2000, and XP
- Sun Solaris 2.5 and higher

2.2 Microsoft Windows Installation

To install HEC-DSSVue on a computer running Microsoft Windows, ensure that your computer meets the minimum hardware requirements and follow the instructions below to run the Setup program.

2.2.1 Hardware Requirements

For optimum performance, make sure that your computer has at least the minimum required hardware before you install the HEC-DSSVue software. This version of HEC-DSSVue will run on a microcomputer that has the following:

- Microcomputer with a Pentium II (or equivalent) processor or higher
- A hard disk with at least 30 megabytes (MB) of **free** space.
- A CD-ROM drive.
- A minimum of 48 MB of RAM.

2.2.2 Installation Procedure

To install the HEC-DSSVue software, you will need to use the Setup program provided on the HEC-DSSVue installation CD-ROM.

To install the software onto your hard disk from Microsoft Windows:

1. Turn on your computer and allow Windows to load.
2. Logon to Windows as a user with local administrator privileges.
3. Uninstall any previous version of HEC-DSSVue you currently have installed on your computer (see Section 2.2.3 below).
4. Insert the HEC-DSSVue CD into your CD-ROM drive. The Setup program will launch automatically.
5. If the setup program does not run, or you have downloaded it from another computer, use Windows Explorer or the “Run” command in the Start menu to locate the setup.exe program on the CD and run the program.
6. Follow the setup instructions on the screen.
7. If your Windows operating system does not contain an up-to-date (secure) installer, one will automatically be installed. This process may require you to restart your computer.

Note that you do not need to load Java separately. The correct Java Virtual Machine (JVM) will be installed under the HEC-DSSVue directory.

The setup program will associate DSS files with HEC-DSSVue, so that by double clicking on (or opening) a DSS file from Windows explorer, HEC-DSSVue will be run with that DSS file loaded. The setup program will also create a program group called HEC, and install HEC-DSSVue under that group. A HEC-DSSVue shortcut icon will automatically be placed on the desktop. If you do not wish the shortcut to be on the desktop, simply delete it.

If you access a single HEC-DSS file frequently, you can place a HEC-DSSVue shortcut icon on your desktop that opens that file automatically. To do this, right click on the original HEC-DSSVue shortcut icon and select **Create Shortcut** from the popup menu. Right click on the **new** shortcut icon, just created, and select **Properties** from the popup menu to bring up the shortcut's properties dialog. Edit the **Target:** textbox and append a space then the complete name (including drive letter) of the HEC-DSS file to open. Press **OK** to save your changes. When you double click on the new icon, HEC-DSSVue should appear with your HEC-DSS file opened.

When you run HEC-DSSVue from the shortcut icon, the command file “HecDssVue.bat” is actually run. This file produces a log console window containing all of the HEC-DSS message output. The log console is automatically minimized. An alternative command file, named “HecDssVueLog.bat”, will write all of the messages to a file named “HecDssVue.log”, instead of to the console window. If this is preferred, you can simply rename “HecDssVueLog.bat” to “HecDssVue.bat” after making a backup. The executable program file “HecDssVue.exe”, which is used with

the associated DSS files, reads the information in “HecDssVue.bat” to determine how to execute the program.

Important

- You must remove previous versions of HEC-DSSVue before installing a new version (see Section 2.2.3 below).
 - You do not need to restart your computer to run the program after installation. If a new program installer was installed, however, you may need to restart your computer.
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2.2.3 Uninstall Procedure

To uninstall HEC-DSSVue, use the Remove Program function in Windows:

1. From the Windows **Start** menu, select **Settings** then **Control Panel**.
2. From within the Control Panel, select **Add/Remove Programs**.
3. Select **HEC-DSSVue** from the list of software.
4. Click the **Add/Remove** button.
5. Delete the HEC-DSSVue shortcut icon from your desktop.

The Windows Remove Program function will uninstall the HEC-DSSVue software but will not remove HEC-DSSVue directories, which will contain your personal preferences and scripts. If you are installing a new version of the program, **do not** remove these.

If you will not be installing a new version of the program, you may remove the HEC-DSSVue directories manually through Windows Explorer.

2.3 Sun Solaris Installation

To install HEC-DSSVue on a Sun Solaris system:

1. Log on as “root.”
2. If you do not have Java installed on your system, obtain a (free) copy from Sun Microsystems and install it. HEC-DSSVue has been tested with Java Version 1.3 and its sub-versions.
3. Create the “HecDssVue” directory on your system. Typical locations would be “/usr/hec/HecDssVue” and “/usr/hec/bin/HecDssVue.” This is where the HEC-DSSVue execution script will be installed.
4. Change to the directory created and un-tar the installation file. Use the command “tar -xvf hecdssvue.tar” to extract the files.

5. You will need to make several changes to the shell file for each account that will use the program. For users with the C shell environment, the shell file is named “.cshrc” in the \$HOME directory of each user.
 - Set the environment variable \$JAVA_HOME to the location of the base Java directory.
 - Set the environment variable \$JAVA_EXE to the location of the Java executable.
 - The “tar” command will create a “lib” directory under the HecDssVue directory. Add that directory to the LD_LIBRARY_PATH environment variable.
 - Add the HecDssVue directory to the PATH environment variable.
6. Source the “.cshrc” file to affect the changes.

As an example, you might add the following lines to the .cshrc file:

```
setenv JAVA_HOME /usr/java131
setenv JAVA_EXE $JAVA_HOME/bin/java1
setenv LD_LIBRARY_PATH /usr/hec/HecDssVue/lib:$LD_LIBRARY_PATH
set path = ($path /usr/hec/Hec-DssVue )
```