DECview3D

Installation Guide

AA–FC85D–TE

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This guide explains how to install and start the DECview3D software.

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About This Guide

The DECview3D software is an application used to view and distribute graphics data from various types of systems. The DECview3D software reads several different graphics format files and translates them into an internal format. The graphics data can then be displayed, manipulated, searched for information, and annotated.

The software can create output files in several different graphics formats which can be used for hard copy, electronic distribution, technical documentation, and storage. The DECview3D software can be integrated with other software applications such as document-processing applications, online information distribution systems, and computer-aided process planning (CAPP) applications.

Although DECview3D is designed as an application for the DECwindows workstation and graphics terminal environments, it is also designed as one of the cooperating applications with the DECwrite document-processing application and the DECpresent presentation application. The DECview3D software can incorporate graphics data into the revisable technical documents created with the DECwrite software or the presentation information created with the DECpresent software.

Purpose of This Guide

The *DECview3D Installation Guide* gives requirements and provides instructions for installing the DECview3D application.

Who Should Use This Guide

This guide is for system managers or users who install the DECview3D software.

You should be familiar with system management procedures.

Structure of This Guide

This book contains the following sections:

- Chapter 1, Preparing to Install DECview3D, describes the prerequisites for using the DECview3D software.
- Chapter 2, Installing DECview3D, gives a step-by-step description of the process of installing the software.
- Chapter 3, After Installing DECview3D, gives instructions for including the DECview3D software in system management procedures and for preparing users' accounts.
- Appendix A, Sample Installation, is a log of an installation.
- Appendix B, New Files and Logical Name Definitions, is a list of files that are created during an installation and a list of all logical names that are defined.

Associated Documents

For more information about the DECview3D software, see the following:

- *DECview3D Reference Manual* describes all DECview3D operations.
- *DECview3D Integration Guide* instructs you on how to use the DECview3D software with other applications.
- *DECview3D User's Guide* instructs you on how to use the software.
- *DECview3D Quick Reference Guide* shows how to perform basic DECview3D operations.

Conventions

This manual uses the following documentation conventions and symbols:

Convention	Meaning
mouse	This term refers to any pointing device, such as a mouse, a puck, or a stylus.
MB1, MB2, MB3	MB1 indicates the left mouse button, MB2 indicates the middle mouse button, and MB3 indicates the right mouse button. The buttons can be redefined by using the Pointer function of the DECwindows Session Manager's Customize menu.
Ctrl/*x*	Ctrl/*x* indicates that you hold down the Ctrl key while you press another key or mouse button (indicated here by *x*).
Enter	The word *enter* means to type information at your keyboard, and then press Return.
`$ SHOW TIME` `06-NOV-90 07:53:22`	Command examples are in monospaced type, and show all user-entered commands in bold letters. Displays or output lines of prompting characters that the system prints are shown in regular type.
filespec	Lowercase words in examples indicate that you supply an input value for the word. For example, *filespec* tells you to specify a file name.
Italics	Titles of manuals are in *italics*.

1

Preparing to Install DECview3D

This chapter discusses the preparations and requirements for installing the DECview3D software.

Your bill of materials (BOM) and indented bills report (BIL) specify the number and contents of your media. Be sure to verify the contents of your kit with this information. If your kit is damaged or if you find that parts of it are missing, contact your Digital representative.

The DECview3D software provides online release notes. Digital strongly recommends that you read the release notes before proceeding with the installation. For information about how to access the online release notes, see the section in Chapter 2 entitled ''Installation Procedure.''

Required Operating System Components

The VMS operating system comes with a variety of support options, or classes. Classes include such features as networking and RMS journaling. The DECview3D software requires only the VMS-required saveset. See the Software Support Addendum (SSA), which comes with the Software Product Description (SPD), for any additional requirements.

Prerequisite Hardware

The Installation Verification Procedure (IVP) at the conclusion of the installation requires either a terminal with ReGIS graphics capability or a DECwindows display device.

Prerequisite and Optional Software

Table 1–1 provides information about the software you must have installed on your system before installing the DECview3D software. The table also includes information about optional software that you can use together with the DECview3D software. The System Software Addendum (SSA) contains a complete list of prerequisite and optional software and their required version numbers.

Table 1–1 Prerequisite and Optional Software

Prerequisite Products	Purpose
VMS Version 5.3 or higher	Operating system

Optional Products	Purpose
DECwindows Version 2.0	Workstation window software for VMS Version 5.3
DECwindows Version 2.1	Workstation window software for VMS Version 5.4
DECwrite Version 1.0 or 1.1	Document processing software that can be integrated with the DECview3D software
DECpresent Version 1.0	Document formatting software for preparing presentations that can be integrated with the DECview3D software

License Registration

You must register the DECview3D license through the VMS License Management Facility (LMF) in accordance with the license agreement signed by your site. The license registration information you need is contained in the Product Authorization Key (PAK) that is shipped with the DECview3D software. The PAK is a paper certificate that contains information about the license to run a particular piece of software.

During the installation, the system asks whether you have registered the DECview3D license and loaded the appropriate PAK. You must register and load your license for the DECview3D software *before* you start the installation in order to run the IVP at the end of the installation.

To register a license under VMS, first log in to the system manager's account, SYSTEM. You then have a choice of two ways to perform the registration:

- Invoke the SYS$UPDATE:VMSLICENSE.COM procedure. When it prompts you for information, respond with data from your PAK.
- At the DCL prompt, enter the LICENSE REGISTER command with the appropriate qualifiers that correspond to PAK information.

If you plan to use the DECview3D software on more than one node in a VAXcluster, you will need to perform a license load on the other nodes after you complete this installation. See the section in Chapter 3 entitled ''VAXcluster Considerations.''

For complete information about using LMF, see the manual on the License Management Utility in the VMS documentation set.

Installation Procedure Requirements

This section and those that follow discuss various requirements for installing the DECview3D software.

The installation takes approximately 15 to 30 minutes, depending on your type of media and your system configuration.

Installing the DECview3D software and running the Installation Verification Procedure (IVP) on a standalone VAX 2000 system takes 22 minutes.

Privileges and Disk Space

To install the DECview3D software, you must be logged in to an account that has SETPRV or at least the following privileges:

- CMKRNL
- WORLD
- SYSPRV

Note that the VMSINSTAL procedure turns off BYPASS privilege at the start of the installation.

The requirements for free disk storage space are different during installation and after installation. Table 1–2 summarizes the storage requirements.

Table 1–2 Disk Space Requirements

Kit	Blocks During Installation	Blocks After Installation
DECview3D Version 2.1	17,500	17,000

To determine the number of free disk blocks on the current system disk, enter the following command at the DCL prompt:

```
$ SHOW DEVICE SYS$SYSDEVICE
```

System Parameter Values

Installation of the DECview3D software requires the following minimum system parameter settings, as listed in Table 1–3.

Table 1–3 Minimum Required System Parameters

System Parameter	Minimum Value
GBLPAGES	6,200
GBLSECTIONS	70

The following sections show you how to:

- Check system parameter values
- Change parameter values with the VMS AUTOGEN command procedure

Calculating the Values for GBLPAGES and GBLSECTIONS The values for GBLPAGES and GBLSECTIONS in Table 1–3 indicate that you must have at least 6,800 unused global pages and 75 unused global sections available for the installation.

To ensure that you have an adequate number of free global pages and free global sections in your system, use the following procedure:

1. Use the DCL F$GETSYI lexical function to determine the number of free global pages and free global sections:

   ```
   $ WRITE SYS$OUTPUT F$GETSYI("FREE_GBLPAGES")
   $ WRITE SYS$OUTPUT F$GETSYI("FREE_GBLSECTS")
   ```

2. If the number of free global pages or free global sections is less than the number specified in Table 1–3, you must increase the value using the AUTOGEN command procedure.

The next section describes the procedures for changing these values. For more information, refer to the VMS system management documentation.

Changing System Parameter Values Use the AUTOGEN command procedure to change system parameters. The AUTOGEN procedure automatically adjusts values for parameters that are associated with the values you reset manually. To change system parameters, edit the following file:

```
SYS$SYSTEM:MODPARAMS.DAT
```

To modify incremental parameters such as GBLPAGES and GBLSECTS, use ADD_. The following example increases the global page setting by 2000:

```
ADD_GBLPAGES = 2000
```

Note that when you set the page file quota, do not use a value that exceeds the amount of page file space available on the system.

After you make all your changes, exit from the editor and execute the AUTOGEN procedure to recalculate your system parameters. Enter the following command at the DCL prompt:

```
$ @SYS$UPDATE:AUTOGEN GETDATA REBOOT
```

When you specify REBOOT, the AUTOGEN procedure performs an automatic system shutdown and then reboots the system. Any users logged on to the system are immediately disconnected during the shutdown. The automatic reboot puts the new parameter values into effect.

The AUTOGEN procedure automatically adjusts some of the SYSGEN parameters based on the consumption of resources since the last reboot. If you do not want to take advantage of this automatic adjustment, include the NOFEEDBACK qualifier on the AUTOGEN command line.

For more information about using the AUTOGEN procedure, see the VMS System Management Subkit.

Process Quotas for the Installing Account

The account you use to install the DECview3D software must have sufficient quotas to enable you to perform the installation. You can install the DECview3D software using the required default quotas for running VMSINSTAL.COM, with the exception of the quotas listed in Table 1–4.

Table 1–4 Process Account Quotas that Exceed Required Default Values

Account Quota	Value
FILLM	100
WSQUO	1024[1]

[1]The value for WSEXT must be equal to or greater than the WSQUO value.

Account quotas are stored in the file SYSUAF.DAT. Use the VMS Authorize Utility (AUTHORIZE) to verify and change account quotas. First set your directory to SYS$SYSTEM and then run AUTHORIZE:

```
$  SET DEFAULT SYS$SYSTEM
$  RUN AUTHORIZE
UAF>
```

At the UAF> prompt, enter the SHOW command with an account name to check a particular account. For example:

```
UAF>  SHOW SMITH
```

To change a quota, enter the MODIFY command. The following example changes the FILLM quota for the SMITH account and then exits from the utility:

```
UAF>  MODIFY SMITH /FILLM=100
UAF>  EXIT
```

After you exit from the utility, the system displays messages indicating whether or not changes were made. Once the changes have been made, you must log out and log in again for the new quotas to take effect.

For more information about modifying account quotas, see the description of the Authorize Utility in the VMS System Management Subkit.

VMSINSTAL Requirements

When you invoke the VMSINSTAL utility, it checks the following:

- Whether you have set your default device and directory to SYS$UPDATE
- Whether you are logged in to a privileged account
- Whether you have adequate quotas for installation
- Whether any users are logged in to the system

If the VMSINSTAL utility detects any problems during the installation, it notifies you and asks if you want to continue the installation. In some instances, you can enter YES to continue. To stop the installation process and correct the situation, enter NO or press Return. Then correct the problem and restart the installation.

Backing Up Your System Disk

At the beginning of the installation, the VMSINSTAL procedure asks if you have backed up your system disk. Digital recommends that you do a system disk backup before installing any software.

Use the backup procedures that are established at your site. For details about performing a system disk backup, see the section on the Backup Utility in the VMS System Management Subkit.

DECview3D Requirements

The VMSINSTAL procedure has been modified to confirm that your system meets the following requirements:

- VMS Version 5.3 or higher has been installed.
- Adequate disk space is available.
- Proper installation account parameters are set.
- Proper system parameters are set.

2

Installing DECview3D

This chapter explains how to install the DECview3D software. The section entitled ''Installation Procedure'' contains a step-by-step description of the installation procedure.

Installation Procedure

The DECview3D installation procedure consists of a series of questions and informational messages. See Appendix A for a sample installation.

To abort the installation procedure at any time, press Ctrl/Y. When you press Ctrl/Y, the installation procedure deletes all files it has created up to that point and exits. You can then start the installation again.

1 Invoke VMSINSTAL.

```
@SYS$UPDATE:VMSINSTAL saveset-name device-name OPTIONS N
```

To start the installation, invoke the VMSINSTAL command procedure from a privileged account, such as the SYSTEM account. The VMSINSTAL procedure is in the SYS$UPDATE directory. The following list defines the elements of the VMSINSTAL command procedure:

saveset-name
The installation name for the component. For the DECview3D software, use the following installation name:

```
DECVIEW3D021
```

device-name

The name of the device on which you plan to mount the media. For example, MTA0: is the device name for a tape drive. It is not necessary to use the console drive for this installation. However, if you do use the console drive, you should replace any media you removed once the installation is complete.

OPTIONS N

An optional parameter that indicates you want to see the question on release notes. If you do not include the OPTIONS N parameter, the VMSINSTAL procedure does not inquire about the release notes. You should review the release notes before proceeding with the installation in case they contain additional information about the installation. If you are restarting the installation and have already reviewed the release notes, you do not need to specify OPTIONS N.

Note that there are several other options you can select when you invoke the VMSINSTAL procedure.

- AUTO_ANSWER option (A): Initially creates a file that contains your answers to VMSINSTAL questions and prompts. You can then use the option (and the answer file) to save time during a reinstallation (typically after upgrading your system).
- GET SAVE SET option (G): Lets you store product save sets temporarily on a magnetic tape or in a disk directory.
- FILE LOG option (L): Logs all activity to the terminal during installation.
- ALTERNATE ROOT option (R): Lets you install the product to a system root other than that of the running system.

For detailed information about these options, see the VMS documentation on software installation in the VMS System Management Subkit. If you specify more than one option, separate the options with commas (OPTIONS A,N).

The following example installs DECview3D from tape drive MTA0: and shows the system response. This example uses the OPTIONS N release note parameter.

```
$ @SYS$UPDATE:VMSINSTAL DECVIEW3D021 MTA0: OPTIONS N

    VMS Software Product Installation Procedure V5.4


It is 10-JAN-1991 at 17:00.
Enter a question mark (?) at any time for help.
```

If you do not supply either the product name or the device name, the VMSINSTAL procedure prompts you for this information later in the installation procedure. The VMSINSTAL procedure does not prompt you for any options, so be sure to include OPTIONS N on the VMSINSTAL command line to access the release notes during the installation.

2 Confirm system backup.

```
* Are you satisfied with the backup of your system disk
                                                    [YES]?
```

Always back up your system disk before performing an installation. If you are satisfied with the backup of your system disk, press Return. Otherwise, enter NO to discontinue the installation. After you back up your system disk, you can restart the installation.

3 Mount the media.

```
Please mount the volume of the set on MTA0:.
* Are you ready?  [YES]
```

Mount the distribution volume on the device you specified when you invoked the VMSINSTAL utility. The device name appears in the line preceding the prompt. The VMSINSTAL procedure then asks you if you are ready to continue with the installation. Press Return to continue the installation. If you entered the wrong device name and need to restart the installation, enter NO in response to the prompt.

```
%MOUNT-I-MOUNTED, DECview3D MOUNTED ON _$$MTA0: (NODE 1)
The following products will be processed:
  DECview3D V2.1

    Beginning installation of DECview3D
V2.1 at 17:02

%VMSINSTAL-I-RESTORE, Restoring product saveset A...
```

If you respond YES to indicate that you are ready, the VMSINSTAL procedure displays a message that the media containing DECview3D has been mounted on the specified device and that the installation has begun.

4 Select a release notes option.

If you specified OPTIONS N when you started the installation, the VMSINSTAL procedure asks a question on release notes.

For VMS Version 5.2 or higher, you see the following display:

```
Release notes included with this kit are always copied
                                                to SYS$HELP.

Additional Release Notes Options:

 1.  Display release notes
 2.  Print release notes
 3.  Both 1 and 2
 4.  None of the above

* Select option [2]:
```

If you select option 1, the release notes are displayed immediately on the console terminal. You can terminate the display at any time by pressing Ctrl/C.

If you select option 2, the VMSINSTAL procedure prompts you for the name of the print queue:

```
* Queue name [SYS$PRINT]:
```

You can press Return to send the file to the default output print device, or you can enter another queue name.

If you select option 3, the VMSINSTAL procedure displays the release notes immediately on the console terminal and then prompts you for a queue name for the printed version.

Select option 4 if you reviewed the release notes and are restarting the installation.

```
* Do you want to continue the installation [N]?:
%VMSINSTAL-I-RELMOVED, The product's release notes have
                    been successfully moved to SYS$HELP.
```

To continue the installation, enter YES. Otherwise, press Return. In either case, the release notes are copied to the SYS$HELP directory. See Chapter 3, After Installing DECview3D, for instructions on displaying the release notes after installation.

5 Choose to copy example graphics files.

```
* Do you want the DECview3D example files [YES]?
```

The example files are graphics files that can be used to learn and test the DECview3D software.

6 Purge files.

```
* Do you want to purge files replaced by this
                                    installation [YES]?
```

If this is a reinstallation of the software, you have the option to purge files from previous installations of the DECview3D software.

7 Choose the Installation Verification Procedure (IVP) option.

```
* Do you want to run the IVP after the
                                        installation [YES]?
```

The IVP for the DECview3D software checks to be sure that the installation is successful. It is recommended that you run the IVP.

After DECview3D is installed, you can run the IVP independently to verify that the software is available on your system. You might need to run the IVP after a system failure to make sure that users can access the DECview3D software. See Chapter 3, After Installing DECview3D, for instructions on running the IVP after installation.

8 Identify the type of device that will run the IVP.

```
Please enter the number corresponding to the device on
which to display the output of the IVP.

1. DECwindows Device
2. VT340
3. VT330
4. VT241
5. VT240
6. Do not run the IVP

Enter Number [1]:
```

Select the appropriate option to identify the display device.

If you are installing the software on a DECwindows device, and you have used the SET HOST command to create a log of the procedure, you must enable the logging process to display the output of the IVP on the DECwindows device. The installation procedure requests the name of the node that will display the output of the IVP. The procedure also inquires if the Session Manager Security on this node has been set up to allow this access. If this has not been done, the IVP cannot display on that node.

9 Respond to license registration queries.

```
Product:       DECVIEW3D
Producer:      DEC
Version:       2.1
Release Date:  01-JUL-1990

* Does this product have an authorization key
                              registered and loaded?
```

The installation procedure displays license information about your product, and then asks if you have registered and loaded your Product Authorization Key (PAK).

If you have not registered and loaded your PAK, you must answer NO to this question. You must register and load your PAK to successfully complete the installation. If you have not done so, you should stop the installation, register and load your PAK, and then restart the installation.

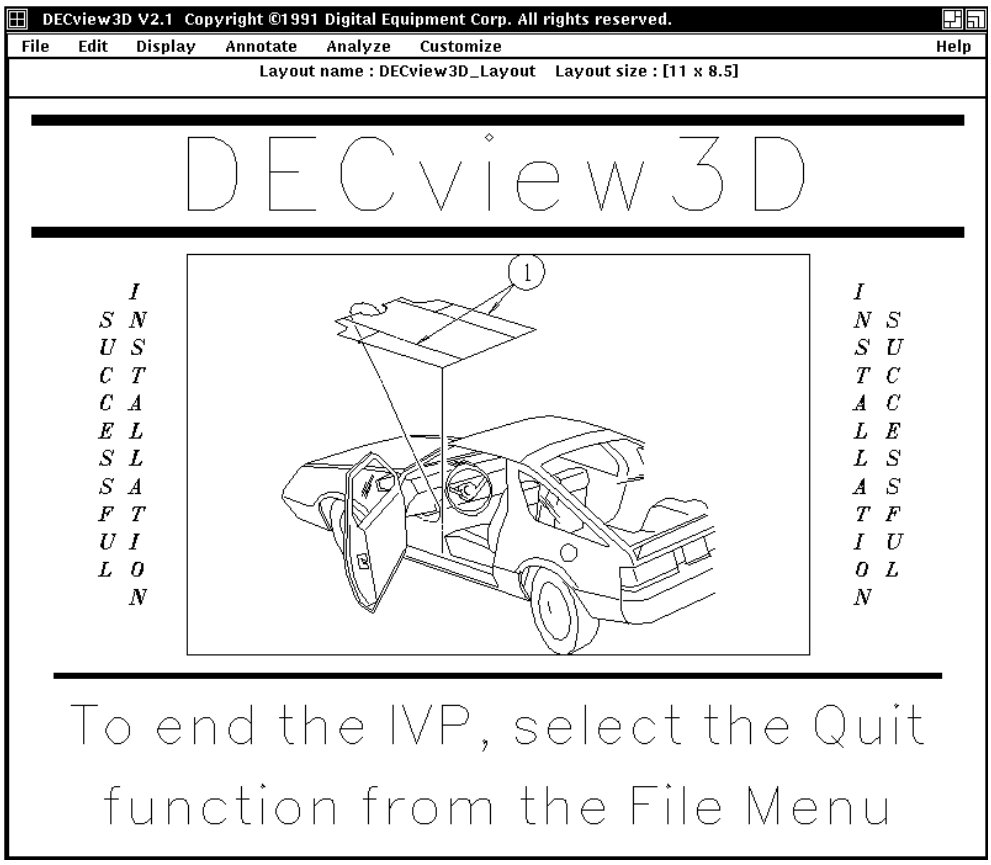
10 Read informational messages.

At this point, the installation procedure displays a number of informational messages that report on the progress of the installation. There are no further questions. If the installation procedure has been successful up to this point, the VMSINSTAL procedure moves the new or modified files to their target directories, updates help files, and updates DCL tables, if necessary. If you chose to have files purged, that work is done now. The following message is displayed at the conclusion of the installation.

```
%VMSINSTAL-I-MOVEFILES, files will now be moved to
                          their target directories...
```

11 Observe the Installation Verification Procedure (IVP).

If you chose to run the IVP, it begins now. When the IVP runs successfully, you see the following display:



Select the Quit function and then the **No** button.

12 End the installation procedure.

```
Installation of DECview3D V2.1
completed at 17:21

   VMSINSTAL procedure done at 17:21
```

The previous messages indicate that the entire installation procedure is complete.

You can now log out of the privileged account:

```
$ LOGOUT
SYSTEM     logged out at 10-JAN-1991 17:22
```

Note that the VMSINSTAL procedure deletes or changes entries in the process symbol tables during the installation. Therefore, if you are going to continue using the system manager's account and you want to restore these symbols, you must log out and log in again.

Error Recovery

If errors occur during the installation itself or when the Installation Verification Procedure (IVP) is running, the VMSINSTAL utility displays failure messages. If the installation fails, you see the following message:

```
%VMSINSTAL-E-INSFAIL, The installation of DECview3DV2.1
                                                has failed.
```

If the IVP fails, you see these messages:

```
The DECview3D V2.1 Installation Verification Procedure
                                                      failed.

%VMSINSTAL-E-IVPFAIL, The IVP for DECview3D V2.1 has
                                                      failed.
```

Errors can occur during the installation if any of the following conditions exist:

- The VMS operating system version is incorrect.
- Quotas necessary for successful installation are insufficient.
- System parameter values for successful installation are insufficient.
- The VMS help library is currently in use.
- The product license has not been registered and loaded.

For descriptions of the error messages generated by these conditions, see the VMS documentation on system messages, recovery procedures, and VMS software installation. If you are notified that any of these conditions exist, take the appropriate action as described in the message. For information about installation requirements, see Chapter 1.

3

After Installing DECview3D

The following tasks take place after installing the DECview3D software:

- Viewing the release notes
- Running the Installation Verification Procedure separately
- Editing the system startup and shutdown files
- Making the product usable on a VAXcluster
- Setting user account quotas
- Reporting problems

Displaying the Release Notes

The release notes are in the following location:

```
SYS$HELP:DECVIEW3D021.RELEASE_NOTES
```

After the installation, you can enter the following command to review the release notes through the Help facility:

```
$ HELP DECVIEW3D RELEASE_NOTES
```

Running the Installation Verification Procedure

You usually run the Installation Verification Procedure (IVP) during installation. If you want to run the IVP separately to ensure the integrity of installed files should system problems occur, execute the following command procedure:

```
$ @SYS$TEST:VIEW$IVP
```

Editing the System Files

You must edit the system startup file to provide for automatic startup of DECview3D when your system is rebooted.

Add the command that starts the DECview3D software to the system startup file, SYS$MANAGER:SYSTARTUP_V5.COM:

```
$  @SYS$STARTUP:CGI$STARTUP.COM
$  @SYS$STARTUP:CIMI$STARTUP.COM
$  @SYS$STARTUP:VIEW$STARTUP.COM
```

VAXcluster Considerations

If you installed the DECview3D software in a VAXcluster environment, you must perform the following operations on each node of the cluster:

- Replace the DCL tables.
- Edit the startup files.
- Load the license.

Replace DCL Tables

On each node in the cluster, replace the DCL tables using the following command:

```
$  INSTALL REPLACE SYS$LIBRARY:DCLTABLES.EXE
```

Edit Startup Files

On each node, edit the startup file to include the following commands.

```
$  @SYS$STARTUP:CGI$STARTUP.COM
$  @SYS$STARTUP:CIMI$STARTUP.COM
$  @SYS$STARTUP:VIEW$STARTUP.COM
```

Load License

On each node, load the license for the DECview3D software using the following command:

```
$  LICENSE LOAD DECVIEW3D
```

User Account Requirements

To work with the DECview3D software, user accounts on your system must have certain privileges and quotas. The next two sections contain information about these requirements. The third section discusses how to set up user accounts.

Privileges

Each account must have at least the TMPMBX and NETMBX privileges. Use the VMS Authorize Utility to determine whether users have the privileges they require.

User Account Quotas

You must make sure that user accounts have sufficient quotas to be able to use DECview3D. Table 3–1 summarizes the required minimum user account quotas.

Table 3–1 User Account Quotas for Using DECview3D

Account Quota	Value
ASTLM	24
BIOLM	18
BYTLM	18,000
DIOLM	18
ENQLM	30
FILLM	100
PGFLQUO	40,000
WSQUO	1024[1]

[1]The values for WSEXT must be equal to or greater than the WSQUO value.

See ''Process Quotas for the Installing Account'' in Chapter 1 for a description of how to verify and change account quotas.

Setting Up User Accounts

The default device for the DECview3D software is a DECwindows workstation. If users will use the DECview3D software only on a terminal device, you can add the following symbol definition to their login command files where *device* is the appropriate terminal device from among the following:

VT340
VT330
VT241
VT240

```
$ 3DVIEW:==3DVIEW/INTERFACE=device
```

Users can then invoke the software without having to specify a device.

Determining and Reporting Problems

If you encounter a problem while using the DECview3D software, report it to Digital. Depending on the nature of the problem and the type of support you have, you can take one of the following actions:

- Call Digital if your software contract or warranty agreement entitles you to telephone support.
- Submit a Software Performance Report (SPR).
- Fill out and submit a Reader's Comments form if the problem has to do with the DECview3D documentation. There is a Reader's Comments form at the back of each manual. Use the form from the manual in which you found the error. Include the section and page number.

Review the Software Product Description (SPD) and Warranty Addendum for an explanation of warranty. If you encounter a problem during the warranty period, report the problem as indicated above or follow alternate instructions provided by Digital for reporting SPD nonconformance problems.

A

Sample Installation

This appendix contains a sample installation of DECview3D software. This sample was run on a system that had no previous version of DECview3D installed.

The sample installation assumes that no users are logged on to your system, and that OPTIONS N is specified to print the release notes. The Installation Verification Procedure (IVP) runs at the end of the installation.

```
$ SET DEF SYS$UPDATE
$ @VMSINSTAL.com DECVIEW3D021 DISK$1:[KITS] options N

        VAX/VMS Software Product Installation Procedure V5.4

It is 11-APR-1991 at 12:15.

Enter a question mark (?) at any time for help.
* Are you satisfied with the backup of your system disk [YES]? yes

The following products will be processed:
  DECVIEW3D V2.1

        Beginning installation of DECVIEW3D V2.1 at 12:16

%VMSINSTAL-I-RESTORE, Restoring product save set A ...
%VMSINSTAL-I-RELMOVED, Product's release notes have been moved to SYS$HELP.
* Do you want the DECview3D example files [YES]? yes
* Do you want to purge files replaced by this installation [YES]? yes
```

```
* Do you want to run the IVP after installation [YES]? yes
        Please enter the number coresponding to the device on
        which to display the output of the IVP.

        1. DECwindows Device
        2. VT340
        3. VT330
        4. VT241
        5. VT240
        6. Do not run the IVP

        Enter Number [1]: 1

        Product:      DECVIEW3D-USER, DECVIEW3D or BASEVIEW
        Producer:     DEC
        Version:      2.1
        Release Date: 01-JUL-1990

* Does this product have an authorization key registered and loaded? yes

        No more questions will be asked during this installation.
        Installation will take approximately 15 to 30 minutes.

        Installation of Saveset B is in progress.

%VMSINSTAL-I-RESTORE, Restoring product save set B ...

        Installation of Saveset C is in progress.

%VMSINSTAL-I-RESTORE, Restoring product save set C ...

        Upon completion of this installation, please add the following
        line to the site specific startup file:

                $ @SYS$STARTUP:CGI$STARTUP.COM


        Installation of Saveset D is in progress.

%VMSINSTAL-I-RESTORE, Restoring product save set D ...

        Installation of Saveset E is in progress.

%VMSINSTAL-I-RESTORE, Restoring product save set E ...

        Installation of Saveset F is in progress.

%VMSINSTAL-I-RESTORE, Restoring product save set F ...

        Upon completion of this installation, please add the following
        line to the site specific startup file:

                $ @SYS$STARTUP:CIMI$STARTUP.COM
```

```
        Installation of Saveset G is in progress.

%VMSINSTAL-I-RESTORE, Restoring product save set G ...

        ****************************************************************
        *   If the following message is displayed, it can be ignored:   *
        *    "The CLI table does not contain verb name DECVIEW3D"       *
        ****************************************************************

%CDU-W-NOSUCHVERB, The CLI table does not contain verb name DECVIEW3D

        Upon completion of this installation, please add the following
        line to the site specific startup file:

                $ @SYS$STARTUP:VIEW$STARTUP.COM

%VMSINSTAL-I-MOVEFILES, Files will now be moved to their target directories...

        Beginning the DECVIEW3D Installation Verification

        ****************************************************************
        *                          NOTICE                              *
        *  To run the IVP at a later time, type the following command:   *
        *     $ @SYS$COMMON:[SYSTEST]view$IVP.COM                        *
        ****************************************************************


*********************************************************************

  Beginning the DECview3D V2.1 Installation Verification Procedure.


  ************************************************************
  * +--------------------------------------------------------+ *
  * |                                                        | *
  * |    Please choose the Quit function from the File menu  | *
  * |              after DECview3D has been invoked.         | *
  * |                                                        | *
  * +--------------------------------------------------------+ *
  ************************************************************

  The Installation Verification Program for the DECview3D V2.1
              has been completed successfully.

*********************************************************************

        Installation of DECVIEW3D V2.1 completed at 12:33

        VMSINSTAL procedure done at 12:33

$ logout
  SYSTEM       logged out at 11-APR-1991 12:34:14.23
```

B

New Files and Logical Name Definitions

The DECview3D installation procedure installs a number of files on your system and defines a logical name.

The following logical name is entered into the system logical name table when the DECview3D software is installed:

Logical Name	Definition
VIEW$EXAMPLES	SYS$COMMON:[SYSHLP.EXAMPLES.DECVIEW3D]

This name is stored in the DECview3D software's startup file. It is entered into the system logical name table whenever the system reboots or whenever the software is invoked.

The following tables contain the names of all files created on your system when the DECview3D software is installed. The kit contains the following files.

Table B–1 DECVIEW3D021.A

Target Directory	File Name
SYS$HELP	DECview3D021.RELEASE_NOTES

Table B–2 DECVIEW3D021.B

Target Directory	File Name	Description
SYS$LIBRARY	VIEW$GKSRTLIB.EXE	Shareable image file
SYS$LIBRARY	VIEWGKSINQ_LIB.EXE	Shareable image file
SYS$LIBRARY	VIEW$GKSMSG.EXE	Shareable image file
SYS$LIBRARY	VIEW$RTL.EXE	Shareable image file
SYS$LIBRARY	VIEWGKSWS_MANAGER.EXE	Workstation manager file
SYS$LIBRARY	VIEWGKSWS_MANAGER_CGM.EXE	Workstation manager file
SYS$LIBRARY	VIEWGKSMI_WS_HANDLER.EXE	Workstation handler file
SYS$LIBRARY	VIEWGKSMO_WS_HANDLER.EXE	Workstation handler file
SYS$LIBRARY	VIEW$CGMO_DEV_HANDLER.EXE	Output device handler
SYS$LIBRARY	VIEW$COLSIX_DEV_HANDLER.EXE	Output device handler
SYS$LIBRARY	VIEW$HPGL_DEV_HANDLER.EXE	Output device handler
SYS$LIBRARY	VIEW$PS_DEV_HANDLER.EXE	Output device handler
SYS$LIBRARY	VIEW$SIXEL_DEV_HANDLER.EXE	Output device handler
SYS$LIBRARY	VIEW$DDIF_DEV_HANDLER.EXE	Output device handler
SYS$LIBRARY	VIEW$DDIF_COLOR_TABLE.DAT	Output device handler
SYS$LIBRARY	VIEW$REGIS_DEV_HANDLER.EXE	Display device handler
SYS$LIBRARY	VIEW$DECW_DEV_HANDLER.EXE	Display device handler
DECW$SYSTEM_DEFAULTS	VIEW$GFX.UID	User interface definition file
DECW$SYSTEM_DEFAULTS	VIEW$GFX_EN.UID	User interface definition file

Table B–3 DECVIEW3D021.C

Target Directory	File Name	Description
SYS$SHARE	CGI$SHR.EXE	Common Graphics Interface image file
SYS$SHARE	CGI$DEFS.FOR	Definitions of constants
SYS$SHARE	CGI$DEFS.H	Definitions of constants
SYS$SHARE	CGI$DEFS.PEN	Definitions of constants
SYS$SHARE	CGI$ENTS.FOR	Declaration of function calls
SYS$SHARE	CGI$ENTS.H	Declaration of function calls

(continued on next page)

Table B–3 (Cont.) DECVIEW3D021.C

Target Directory	File Name	Description
SYS$SHARE	CGI$ENTS.PEN	Declaration of function calls
SYS$SHARE	CGI$GKS.EXE	Graphical Kernel System image file
SYS$SHARE	CGI$HPGLDDO.EXE	HP Plotter snapshot format file
SYS$SHARE	CGI$NULLDDO.EXE	Snapshot format file
SYS$SHARE	CGI$INTERLEAFDDO.EXE	Interleaf format file
SYS$SHARE	CGI$REGISDDO.EXE	ReGIS snapshot format file
SYS$SHARE	CGI$SIXELDDO.EXE	SIXEL snapshot format file
SYS$SHARE	CGI$TEKDDO.EXE	Tektronix snapshot format file
SYS$SHARE	CGI$STROKE_FONT1.FNT	Text markup font file
SYS$SHARE	CGI$STROKE_FONT2.FNT	Text markup font file
SYS$SHARE	CGI$STROKE_FONT3.FNT	Text markup font file
SYS$SHARE	CGI$STROKE_FONT4.FNT	Text markup font file
SYS$SHARE	CGI$STROKE_FONT5.FNT	Text markup font file
SYS$SHARE	CGI$STROKE_FONT6.FNT	Text markup font file
SYS$SHARE	CGI$STROKE_FONT7.FNT	Text markup font file
SYS$SHARE	CGI$STROKE_FONT8.FNT	Text markup font file
SYS$SHARE	CGI$STROKE_FONT9.FNT	Text markup font file
SYS$SHARE	CGI$STROKE_FONT10.FNT	Text markup font file
SYS$SHARE	CGI$STROKE_FONT12.FNT	Text markup font file
SYS$SHARE	CGI$STROKE_FONT13.FNT	Text markup font file
SYS$SHARE	CGI$STROKE_FONT14.FNT	Text markup font file
SYS$SHARE	CGI$STROKE_FONT15.FNT	Text markup font file
SYS$SHARE	CGI$STROKE_FONT16.FNT	Text markup font file
SYS$SHARE	CGI$STROKE_FONT17.FNT	Text markup font file
SYS$SHARE	CGI$STROKE_FONT18.FNT	Text markup font file
SYS$SHARE	CGI$STROKE_FONT19.FNT	Text markup font file
SYS$SHARE	CGI$STROKE_FONT20.FNT	Text markup font file
SYS$SHARE	CGI$STROKE_FONT21.FNT	Text markup font file
SYS$SHARE	CGI$STROKE_FONT22.FNT	Text markup font file
SYS$SHARE	CGI$STROKE_FONT24.FNT	Text markup font file

(continued on next page)

Table B–3 (Cont.) DECVIEW3D021.C

Target Directory	File Name	Description
SYS$SHARE	CGI$STROKE_FONT25.FNT	Text markup font file
SYS$SHARE	CGI$STROKE_FONT26.FNT	Text markup font file
SYS$SHARE	CGI$STROKE_FONT27.FNT	Text markup font file
SYS$SHARE	CGI$STROKE_FONT28.FNT	Text markup font file
SYS$SHARE	CGI$STROKE_FONT29.FNT	Text markup font file
SYS$SHARE	CGI$STROKE_FONT30.FNT	Text markup font file
SYS$SHARE	CGI$STROKE_FONT31.FNT	Text markup font file
SYS$SHARE	CGI$STROKE_FONT32.FNT	Text markup font file
SYS$SHARE	CGI$STROKE_FONT33.FNT	Text markup font file
SYS$SHARE	CGI$STROKE_FONT34.FNT	Text markup font file
SYS$SHARE	CGI$STROKE_FONT35.FNT	Text markup font file
SYS$SHARE	CGI$STROKE_FONT36.FNT	IGES text markup font file
SYS$SHARE	CGI$STROKE_FONT37.FNT	IGES text markup font file
SYS$SHARE	CGI$STROKE_FONT38.FNT	IGES text markup font file
SYS$STARTUP	CGI$STARTUP.COM	Common Graphics Interface startup file

Table B–4 DECVIEW3D021.D

Target Directory	File Name	Description
SYS$SHARE	RDSG$SHR.EXE	Run-time Data Structure Geometry image file
SYS$SHARE	RDSG$MSG.FOR	Definitions of messages
SYS$SHARE	RDSG$MSG.H	Definitions of messages
SYS$SHARE	RDSG$MSG.PEN	Definitions of messages
SYS$SHARE	RDSG$DEF.FOR	Definitions of constants
SYS$SHARE	RDSG$DEF.H	Definitions of constants
SYS$SHARE	RDSG$DEF.PEN	Definitions of constants
SYS$SHARE	RDSG$ENT.FOR	Declaration of function calls
SYS$SHARE	RDSG$ENT.H	Declaration of function calls
SYS$SHARE	RDSG$ENT.PEN	Declaration of function calls

Table B–5 DECVIEW3D021.E

Sample Graphics Files		
Target Directory	**File Name**	**Description**
SYS$COMMON:[SYSHLP.EXAMPLES.DECVIEW3D]	CAR.IGES	IGES
SYS$COMMON:[SYSHLP.EXAMPLES.DECVIEW3D]	F18.IGES	IGES
SYS$COMMON:[SYSHLP.EXAMPLES.DECVIEW3D]	TK50.TXT	ASCII
SYS$COMMON:[SYSHLP.EXAMPLES.DECVIEW3D]	F15.CALCOMP960	CalComp960
SYS$COMMON:[SYSHLP.EXAMPLES.DECVIEW3D]	FAN.HPGL	HP-GL
SYS$COMMON:[SYSHLP.EXAMPLES.DECVIEW3D]	TEST.LAYOUT	Layout file

Translator Files		
Target Directory	**File Name**	**Description**
SYS$SHARE	TRANS$ASCII_SHR.EXE	Shareable image file
SYS$SHARE	TRANS$CALCOMP960_SHR.EXE	Shareable image file
SYS$SHARE	TRANS$HPGL_SHR.EXE	Shareable image file
SYS$SHARE	TRANS$IGES_SHR.EXE	Shareable image file
SYS$SHARE	TRANS$LINK_SHR.EXE	Shareable image file

Table B–6 DECVIEW3D021.F

Target Directory	**File Name**	**Description**
SYS$SHARE	CIMI$CTSHR.EXE	Shareable image file
SYS$SHARE	CIMI$GSRVSHR.EXE	Shareable image file
SYS$SHARE	CIMI$SLIBSHRSHR.EXE	Shareable image file
SYS$SHARE	CIMI$DEF.H	Definitions of constants
SYS$STARTUP	CIMI$STARTUP.COM	Startup procedure

Table B–7 DECVIEW3D021.G

Target Directory	File Name	Description
SYS$SHARE	VIEW$SHR.EXE	Shareable image file
SYS$SHARE	VIEW$COMMAND_LINE_TEXT.EXE	Shareable image file
DECW$SYSTEM_DEFAULTS	VIEW$TRANS_USER_DATA.UID	User interface definition file
DECW$SYSTEM_DEFAULTS	VIEW$WIDGETS.UID	User interface definition file
DECW$SYSTEM_DEFAULTS	VIEW$WIDGETS_VT.UID	User interface definition file
DECW$SYSTEM_DEFAULTS	VIEW$WIDGETS_VTNM.UID	User interface definition file
SYS$HELP	HELPLIB.HLB	Online HELP library
SYS$HELP	VIEW$HELP.HLB	Online HELP module
SYS$LIBRARY	VIEW$SYMBOL.LIB	Symbols library
SYS$LIBRARY	DCLTABLES.EXE	DCL table files
SYS$SYSTEM	DECVIEW3D.EXE	Executable image file
SYS$STARTUP	VIEW$STARTUP.COM	Defines the location of the user interface definition files
SYS$LIBRARY	WRITE$AIL_SHR.EXE	Application Integration Library file for AIL V1.0

Save Set G also contains the following files for the IVP:

Target Directory	File Name
SYS$COMMON:[SYSTEST.DECVIEW3D]	VIEW$IVP.COM
SYS$COMMON:[SYSTEST.DECVIEW3D]	VIEW$TESTFILE.LAYOUT