

VAX-11 BASIC Installation Guide/Release Notes

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This manual describes the installation and verification procedure of the VAX-11 BASIC compiler. It also contains additional documentation.

OPERATING SYSTEM AND VERSION: VMS V3.2

SOFTWARE VERSION: VAX-11 BASIC V2.0

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CONFIDENTIAL - SECURITY INFORMATION

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PREFACE

Document Objectives

This manual describes the installation and verification procedure for installing VAX-11 BASIC Version 2 on VAX/VMS Version 3.2 or later. It also explains how to access release notes, which are provided on-line.

Intended Audience

This manual is intended for use by system managers and VAX-11 BASIC programmers.

Document Structure

- Chapter 1 Describes the installation and verification procedure.
- Chapter 2 Describes the procedure for editing the help text and error messages.
- Chapter 3 Describes the procedure for rebuilding the BASIC compiler after a maintenance release of BASIC or VMS.
- Chapter 4 Explains how to access the on-line release notes.



CHAPTER 1

INSTALLATION AND VERIFICATION PROCEDURE

This chapter describes the procedure for installing the VAX-11 BASIC compiler on the VAX/VMS operating system. The procedure is automated and requires that the system manager or other individual performing the procedure mount the software volumes when prompted and respond to queries issued during the installation procedure.

This procedure can be performed by any system user who has access to the system manager's account or to an account that has the same privileges as the system manager's account.

1.1 CONTENTS OF THE DISTRIBUTION KIT

The VAX-11 BASIC installation kit consists of seven FILES-11 ODS 2 floppy diskettes or cassettes.

Each volume is identified by a serial number corresponding to the VAX-11 BASIC compiler's product number and a label that distinguishes that volume from other volumes in the distribution kit.

The volumes in this kit are:

VAXBASIC1	VAXBASIC5
VAXBASIC2	VAXBASIC6
VAXBASIC3	VAXBASIC7
VAXBASIC4	

These volumes must be mounted in numerical order for a complete installation procedure.

INSTALLATION AND VERIFICATION PROCEDURE

1.2 PREPARING TO INSTALL THE VAX-11 BASIC COMPILER

The VAX-11 BASIC installation is performed as part of the VMSUPDATE command procedure. Before proceeding with the installation you should read the VAX-11 Software Installation Guide appropriate for your system.

The two requirements for installing BASIC on your VAX system are:

- There must be at least 4000 free blocks on the system disk.
- The system must have at least 1200 unused global pages and six unused global sections.

In addition, if you do not have the VAX-11 Common Data Dictionary on your system, you must install the file CDDSHR.EXE as a known image. VAX/VMS supplies a special version of CDDSHR.EXE for this purpose.

To see if CDDSHR.EXE is installed as a known image on your system, type the following command lines:

```
$ RUN SYS$SYSTEM:INSTALL
INSTALL> SYS$SHARE:CDDSHR/LIST
```

If CDDSHR is installed, the system responds with the file specification of the file CDDSHR.EXE, indicating the device and directory for the file. If CDDSHR is not installed, you receive the following error message:

```
%INS-E-NOKFIFND, no known file entry found
```

You must install CDDSHR as a known image if you receive this error message. To do that, type the following command line in response to the "INSTALL" prompt:

```
INSTALL> SYS$SHARE:CDDSHR/OPEN/HEAD/SHARE/PROT
```

CDDSHR is now installed. Type "SYS\$SHARE:CDDSHR/LIST" one more time to make sure the system displays a file specification, then type "/EXIT" to return to the DCL command level. You are now ready to invoke the VMSUPDATE command procedure and begin installing BASIC.

1.3 THE INSTALLATION AND VERIFICATION PROCEDURE

This installation takes approximately 60 minutes from start to finish for RX01 kits. For TU58 kits, the installation takes approximately 90 minutes.

INSTALLATION AND VERIFICATION PROCEDURE

NOTE

In this installation procedure, the default response (carriage return) to every question is "NO".

Begin the installation by invoking the VMSUPDATE command procedure according to the software installation guide for your system. VMSUPDATE prompts you to install the first volume of the software kit and asks if you are ready to continue.

If a diskette or cassette is mounted in the console drive, remove it. When you remove the volume, note the position of its label. When you insert volumes from the distribution kit, you must insert them in the drive so that they face in the same direction. (Cassettes fit in the drive in only one direction. For diskettes, the label must face the open console drive door.)

Place the volume labeled VAXBASIC1 in the console drive. Type "Y" to indicate you are ready to continue.

When you respond with "Y" to the query, the system mounts the first volume and asks the following question:

Inserting this floppy first allows you to:

1. Perform a complete installation of VAX-11 BASIC.
2. Apply a maintenance update to Version 2.n of VAX-11 BASIC.
3. Rebuild VAX-11 BASIC after applying a maintenance update to VAX/VMS.

What do you wish to do [1, 2, 3]?

If you are installing BASIC for the first time, you must answer "1" to this question. For information on rebuilding the compiler after an update of BASIC or maintenance release of VAX/VMS, see Chapter 3.

After you answer this query, the installation procedure examines the amount of free space on the system disk. The BASIC installation requires approximately 4000 free blocks. If your system disk has the appropriate space, the installation procedure continues. If your system disk does not contain 4000 free blocks, the following warning is displayed:

SYS\$DISK may not have enough free disk space to complete the installation of VAX-11 BASIC. If you terminate the installation, you must restart with the VAXBASIC1 volume after you have obtained sufficient disk space. This version requires approximately 4000 free blocks to install.

Do you want to continue the installation? [Y/N]:

INSTALLATION AND VERIFICATION PROCEDURE

If you type "N" or a carriage return in response to the query, the installation procedure stops. However, you may want to answer "Y" if:

- Disk usage is volatile, and the necessary disk space will be freed before the sixth volume of the installation is reached (in approximately half an hour). The largest amount of storage is required during the processing of the sixth volume.
- You have an additional terminal that you can use to purge unnecessary files while the installation procedure continues.

NOTE

If you are installing BASIC on a dual RL02 configuration, you should take into consideration that the VMSUPDATE procedure will automatically undo the effects of the Tailoring Facility in order to create free disk blocks. The free block requirement refers to the system disk after this has been done. See the software installation manual for your system for more information.

If the system disk has sufficient space or you answer "Y" when asked if you want to continue, despite the limited free space, the installation procedure displays the following informational message:

This kit contains a file summarizing the changes made to the VAX-11 BASIC compiler up to this point in time.

Do you want to print this file? [Y/N]:

This file contains the release notes for the version of BASIC you are installing. These release notes are also available, after the installation is complete, in the BASIC help files. See Chapter 4 for more information on how to access the release notes.

To print a copy of this file, type "Y" in response to the query. The file will be queued to the default system printer. Type "N" or a carriage return if you do not want a copy of this information.

When the first volume is done, you receive the following message:

Please put the next BASIC kit volume in the drive(label=VAXBASIC2).

Are you ready to continue? [Y/N]:

INSTALLATION AND VERIFICATION PROCEDURE

Replace the volume labeled VAXBASIC1 with the volume labeled VAXBASIC2, and type "Y" to indicate that the installation can continue.

This message is repeated for each volume of the installation kit. If you mount the volume specified and type "Y" in response to the query, the installation procedure continues. If you type "N", the query "Are you ready to continue?" is repeated.

The sixth volume of the installation kit builds the new BASIC compiler from files created by the other volumes. The first question the installation procedure asks you after mounting the sixth volume is:

Do you wish to install the BASIC help library? [Y/N]:

This option is provided especially for systems with small system disks, where disk space might not permit the use of the 460 blocks required for installing the help files. However, wherever possible, DIGITAL recommends the installation of the help files with the VAX-11 BASIC compiler.

The command procedure then asks:

Do you wish to install the sample BASIC coding template? [Y/N]:

The coding template is an on-line example of a recommended format for BASIC programs. After modifying the template to suit your particular applications and operating system, you can use it as an outline for writing structured code. If you type "Y" to this query, the command procedure copies the coding template to the file [SYSHLP.EXAMPLES]TEMPLATE.BAS.

The next message you receive is:

This procedure will create a new version of the following files:

```
[SYSEXEC]BASIC.EXE
[SYSLIB]BASICSHR.EXE
[SYSMSG]BASICMSG.EXE
[SYSHLP]BASICHELP.HLB
[SYSHLP.EXAMPLES]TEMPLATE.BAS
```

You can keep or delete any older versions.

Do you want to delete older versions? [Y/N]:

INSTALLATION AND VERIFICATION PROCEDURE

NOTE

If you chose not to install the BASIC help libraries and/or the BASIC coding template in the previous questions, the files [SYSHLP.EXAMPLES]TEMPLATE.BAS and [SYSHLP]BASICHELP.HLB are not listed.

BASIC.EXE and BASICSHR.EXE files are old versions of the BASIC compiler. BASICMSG.EXE and BASICHELP.HLB files are old versions of the BASIC error messages and help texts, respectively. TEMPLATE.BAS files are old versions of the BASIC coding template. If you answer "Y" to the above question, the installation procedure deletes all previous versions of these files. If you answer "N", these files remain, but they will be superseded by the higher version numbers of the new compiler, error messages, and help files.

At this stage of the installation procedure, you also have the option of saving files that are not essential for running the VAX-11 BASIC compiler, but that you may want to keep:

This installation has created an object library and two linker option files which are necessary for the installation, but not for the proper running of BASIC. If left on-line, however, they may increase the speed with which BASIC can be reinstalled for a maintenance release, or when VMS is upgraded.

Do you wish to leave these files on line? [Y/N]:

DIGITAL recommends leaving these files on line whenever possible. Rebuilding the BASIC compiler after a maintenance update of BASIC or the VMS operating system is much simpler and faster if these files are present. If you answer "Y" to the query, the installation procedure continues without deleting the files. However, these files require 1800 blocks and if space on the system disk is restricted, you can answer "N" or a carriage return and the installation procedure deletes the files and then continues.

Now the installation procedure has created the BASIC compiler. However, before finishing the installation you can choose to verify that the compiler is complete. The next message you receive is:

This kit contains an Installation Verification Procedure to verify the correct installation of the VAX-11 BASIC compiler.

Do you want this procedure executed? [N/Y]:

If you type "Y" in response to the question, the verification program is run on the new BASIC compiler. When the program is complete, you receive the following message, where V2.n is the version number of the

INSTALLATION AND VERIFICATION PROCEDURE

BASIC compiler you are installing:

VAX-11 BASIC V2.n test PASSED

NOTE

If you receive the following message:

VAX-11 BASIC test FAILED

or any error message, press <CTRL/Y> to stop the installation procedure, remount the system console medium in the console drive, and contact your Software Services representative.

After the verification procedure, the BASIC help files are created. If you chose to install the help files, you are asked to mount the seventh volume so that the help files can be copied onto the system:

Now we will install the BASIC help file.

Please put the next BASIC kit volume in the drive (label=VAXBASIC7).

Are you ready to continue? [Y/N]:

Once you mount the volume and type "Y", the help files will be installed.

If you chose not to install the BASIC help files, you are not asked to mount volume seven, and the installation procedure continues without it. After the help files are installed, you receive the message:

This procedure has created a new BASIC.EXE, BASICMSG.EXE, and DCLTABLES.EXE. It has also optionally created a BASICHELP.HLB and TEMPLATE.BAS. These are currently in the [SYSUPD.BASIC] directory. The completion of this installation involves moving these files to their appropriate directories and installing the images as known images. BASIC and its associated files will be installed as known images only if they are currently installed, and the kit installation is taking place in the active system root.

Do you wish to complete the installation? [Y/N]:

If you answer "Y" to the question, the files are moved out of the [SYSUPD.BASIC] directory into the appropriate directories where the system can call on them. The new BASIC compiler consists of three

INSTALLATION AND VERIFICATION PROCEDURE

files. These files are installed as a known image only if the previous version of BASIC was also installed as a known image.

If you answer "N", the installation procedure ends without moving the files. The files are not deleted, but the system cannot call on them because they are still in the [SYSUPD.BASIC] directory.

1.4 RESTARTING THE INSTALLATION PROCEDURE IN CASE OF A SYSTEM CRASH

If for any reason the system crashes during the first five volumes of the installation, you do not need to run the entire installation procedure again. To restart the installation, first invoke the VMSUPDATE command procedure. When VMSUPDATE prompts for the first volume of the software kit, install the volume that was being processed at the time of the crash and continue the installation from that point.

However, if the system crashes during the processing of the sixth or seventh volume, you must start the installation procedure over again from the beginning.

1.5 COMPLETION OF THE PROCEDURE

When the installation and verification procedures are complete, control returns to the system command procedure VMSUPDATE. If there are other software kits you wish to install, you can install them at this point.

When you finish installing software kits, you should restore the standard console media (which was removed at the beginning of the update procedure) to the console drive.

The new BASIC compiler consists of three files. Therefore, if your system startup file installs BASIC.EXE as a known image, be sure to edit it to also install BASICSHR.EXE and BASICMSG.EXE as known images.

The VAX-11 BASIC compiler is now installed and can be invoked by the DCL command:

```
$ BASIC
```

1.6 EXAMPLE OF THE INSTALLATION PROCEDURE

The following is a sample listing of the installation procedure:

%MOUNT-I-MOUNTED, VAXBASIC1 mounted on _CSA1:

Inserting this floppy first allows you to:

1. Perform a complete installation of VAX-11 BASIC.
2. Apply a maintenance update to Version 2.n of VAX-11 BASIC.
3. Rebuild VAX-11 BASIC after applying a maintenance update to VAX/VMS.

What do you wish to do [1, 2, 3]? 1

This kit contains a file summarizing the changes made to the VAX-11 BASIC compiler up to this point in time.

Do you want to print this file? [Y/N]: Y

Please put the next BASIC kit volume in the drive (label=VAXBASIC2).

Are you ready to continue? [Y/N]: Y

%MOUNT-I-MOUNTED, VAXBASIC2 mounted on _CSA1:

Please put the next BASIC kit volume in the drive (label=VAXBASIC3).

Are you ready to continue? [Y/N]: Y

%MOUNT-I-MOUNTED, VAXBASIC3 mounted on _CSA1:

Please put the next BASIC kit volume in the drive (label=VAXBASIC4).

Are you ready to continue? [Y/N]: Y

%MOUNT-I-MOUNTED, VAXBASIC4 mounted on _CSA1:

Please put the next BASIC kit volume in the drive (label=VAXBASIC5).

Are you ready to continue? [Y/N]: Y

%MOUNT-I-MOUNTED, VAXBASIC5 mounted on _CSA1:

Please put the next BASIC kit volume in the drive (label=VAXBASIC6).

Are you ready to continue? [Y/N]: Y

%MOUNT-I-MOUNTED, VAXBASIC6 mounted on _CSA1:

Do you wish to install the BASIC help library? [Y/N]: Y

Do you wish to install the sample BASIC coding template? [Y/N]: Y

INSTALLATION AND VERIFICATION PROCEDURE

This procedure will create a new version of the following files:

```
[SYSEXEC]BASIC.EXE
[SYSLIB]BASICSHR.EXE
[SYSMSG]BASICMSG.EXE
[SYSHLP]BASICHELP.HLP
[SYSHLP.EXAMPLES]TEMPLATE.BAS
```

You can keep or delete any older versions.

Do you want to delete older versions? [Y/N]: N

This installation has created an object library and two linker option files which are necessary for the installation, but not for the proper running of BASIC. If left on-line, however, they may increase the speed with which BASIC can be reinstalled for a maintenance release, or when VMS is upgraded.

Do you wish to leave these files on line? [Y/N]: Y

This kit contains an Installation Verification Procedure to verify the correct installation of the VAX-11 BASIC compiler.

Do you want this procedure executed? [N/Y]: Y

VAX-11 BASIC V2.1 test PASSED

Now we will install the BASIC help file.

Please put the next BASIC kit volume in the drive (label=VAXBASIC7).

Are you ready to continue? [Y/N]: Y

%MOUNT-I-MOUNTED, VAXBASIC7 mounted on _CSA1:

This procedure has created a new BASIC.EXE, BASICMSG.EXE, and DCLTABLES.EXE. It has also optionally created a BASICHELP.HLP and TEMPLATE.BAS. These are currently in the [SYSUPD.BASIC] directory. The completion of this installation involves moving these files to their appropriate directories, and installing the images as known images. BASIC and its associated files will be installed as known images only if they are currently installed, and the kit installation is taking place in the active system root.

Do you wish to complete the installation? [Y/N]: Y

CHAPTER 2

EDITING THE HELP FILE AND ERROR MESSAGES

The VAX-11 BASIC installation procedure lets you edit the help and error messages to suit your needs. However, you must complete a full installation of BASIC, according to the instructions in Chapter 1, before you revise and install new messages.

2.1 COPYING THE TEXT FILES TO DISK

You begin the procedure for editing the help and error message texts by invoking the VMSUPDATE command procedure, as you would for a normal installation. However, when VMSUPDATE prompts you for the first volume of the software kit, you mount the seventh volume.

The seventh volume in the VAX-11 BASIC distribution kit contains the source files for the BASIC HELP library. It also contains command procedures to:

1. Copy the source files for the help and error messages to the [SYSUPD.BASIC] account.
2. Compile the edited source files and replace the standard messages with the edited versions.

Once you mount the seventh volume, the command procedure displays the following message:

Inserting this volume first allows you to edit the HELP and ERROR MESSAGE texts. This involves two phases. The first phase allows you to obtain a copy of the desired text file(s) from the distribution medium. The second phase will allow you to rebuild the HELP files and/or the ERROR MESSAGES using those files after you have edited them.

Which phase do you wish to use? [1/2]:

EDITING THE HELP FILE AND ERROR MESSAGES

First you must obtain copies of the files you want to edit. So type "1" in response to this query. After you choose Phase 1, the command procedure asks which files you want to edit:

Do you wish to obtain the HELP text for editing?" [Y/N]:

If you want to edit the help text, answer "Y" to the query. If not, answer "N".

NOTE

Unlike the initial installation procedure described in Sections 1.2 and 1.3, there are no default responses during the optional procedure for editing files. If you do not respond with one of the two appropriate answers ("Y" or "N", for example) you are reprompted for your answer.

If you choose to edit the help texts by responding "Y", the command procedure displays two informational messages confirming that the copying is being performed:

Copying BASICDCL.RNH to disk. This is the HELP for the BASIC command line.

Copying BASICHELP.RNH to disk. This is the HELP for the BASIC language.

Once the command procedure has copied the help files, you are asked whether you want to edit the error message texts:

Do you wish to obtain the ERROR MESSAGE text for editing? [Y/N]:

If you answer "N" to this question, the command procedure displays a final informational message and returns control to VMSUPDATE. However, if you answer "Y" to this question, the command procedure prompts you to mount the sixth volume of the distribution kit:

Please place the sixth distribution media (VAXBASIC6) in the console drive.

Are you ready to continue? [Y/N]:

You must mount the sixth volume because that is where the error message texts are stored in the distribution medium. After you mount volume six and respond that you are ready to continue, the command procedure displays two informational messages confirming that it is

copying the error message files:

Copying BASICMSG.MSG to disk. This is the file of compile time error messages.

Copying BASMSG.MSG to disk. This is the file of run time error messages.

After copying is complete, the command procedure displays a final informational message and returns control to VMSUPDATE:

This completes Phase 1 of this command procedure. You may now edit the file(s) you selected. When they are satisfactory, reinvoke this command procedure and run Phase 2.

2.2 EDITING THE FILES

At this point you can edit the text portion of the error messages and help files. You can edit the text of the error messages, but you cannot change:

- The 3- to 9-character mnemonic that starts in the first column
- The order in which the error messages appear in the file

When editing the BASIC help files, note that the subject headings following a numeral in the first column are the keys for which the HELP command searches. Therefore, you must not change these headings; you can change only the associated text. You must not make changes to the nontext portion of the file.

2.3 INSTALLING THE REVISED TEXT

Once the source files have been edited and checked, you can invoke the standard update procedure (VMSUPDATE) again and mount the seventh volume (VAXBASIC7). The command procedure displays its informational message and prompts for the phase you want to use:

Which phase do you wish to use? [1/2]:

To start Phase 2, respond with "2" to this query. Phase 2 begins by displaying another informational message:

This phase of the command procedure will allow you to rebuild the BASIC help library and/or the new error messages. It assumes

EDITING THE HELP FILE AND ERROR MESSAGES

that the files that have been edited are in the [SYSUPD.BASIC] directory.

Did you edit the HELP text? [Y/N]:

If you respond "Y" to this query, the command procedure creates a new BASIC help library, displaying an informational message when it is done:

The new BASIC HELP library has been created.

If you answer "N", indicating that you did not edit the help files, the command procedure does not rebuild the help library and skips the next two questions.

After the BASIC help library is built, the command procedure asks:

Do you wish to move it to [SYSHLP]? [Y/N]:

You cannot access the help library unless it is in the [SYSHLP] directory. Therefore, to use your new help library, type "Y" in response to this query. However, if the system issued any error messages while building the help library, the resulting library may not be in the proper format. If this is the case, type "N" in response to the query, edit the help files to correct the errors indicated by the error messages, and re-invoke Phase 2 of the command procedure to build the corrected help library.

The next question the command procedure asks you is:

Do you wish to delete the modified HELP RUNOFF sources? [Y/N]:

The command procedure deletes all copies of the help files in the [SYSUPD.BASIC] directory if you answer "Y" to this query.

The next step in the command procedure is to install the new error messages. First, the procedure asks if you edited the error messages:

Did you edit the error message texts? [Y/N]:

If you did not edit the error messages, answer "N" to this query and the command procedure returns control to VMSUPDATE. However, if you did edit the error messages, answer "Y", and the command procedure displays an informational message confirming that the revised error messages are installed:

The new error message files have been created.

The command procedure also asks if you want to move the new error messages to the system error message directory:

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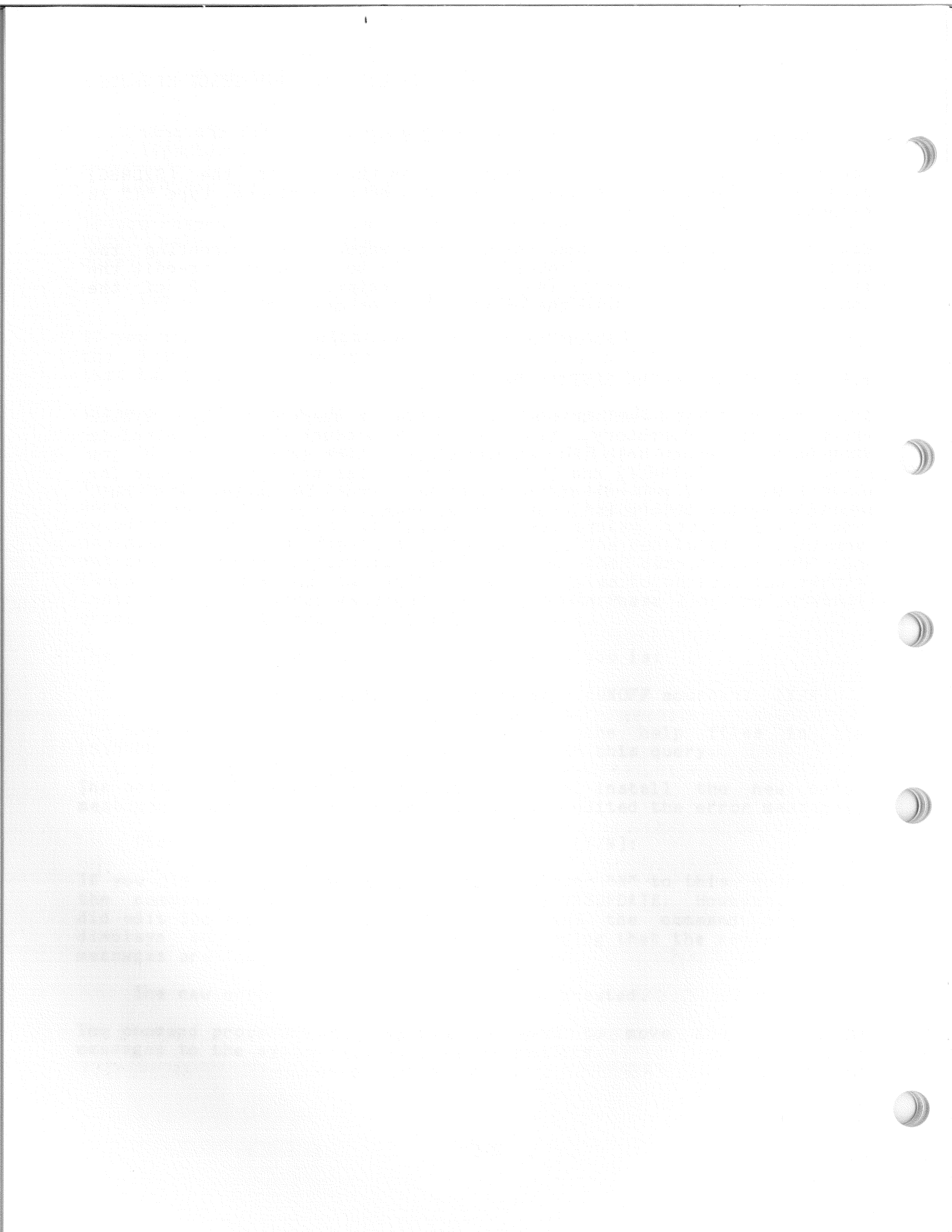
Do you wish to move them to [SYSMSG]? [Y/N]:

You cannot access the error messages unless they are in the [SYSMSG] directory. Therefore, to use your revised error messages, type "Y" in response to this query.

However, if the system issued any error messages while creating the error message files, you should answer "N" to the query, re-edit the files to correct the errors indicated, and reinvoke Phase 2 of the command procedure to build the corrected error messages.

2.4 COMPLETION OF THE EDITING PROCEDURE

After asking if you want to move the error messages to the system error message directory, the command procedure returns control to VMSUPDATE. The new help library and compile-time error messages you moved into the [SYSHLP] and [SYSMSG] directories are now available for use. However, if you edited the run-time error messages, you must boot the system before BASIC can access them.



CHAPTER 3

REBUILDING THE BASIC COMPILER

There is a very simple procedure for rebuilding the BASIC compiler after a maintenance release of VMS or an update of BASIC. This chapter describes the rebuilding process.

If you are rebuilding the compiler as an update to BASIC, you must first replace the media. Each BASIC update kit includes one or more new volumes. These new volumes are replacements for volumes in your original BASIC kit. They have the same volume number as the volume they are replacing. For example, if you receive one diskette labeled VAXBASIC1, replace the old diskette labeled VAXBASIC1 with the new diskette, and discard the old one.

NOTE

You do not need to retain volumes that are replaced by an update.

Once you replace the old volumes with the update media, you will have a complete kit. You can either perform a complete installation, as described in Chapter 1, or use the new volumes to rebuild the compiler as described in this chapter.

Rebuilding the BASIC compiler requires three files that you had the option of saving during the original installation. The files are:

- BASLIB.OLB
- BASIC.OPT
- BASICSHR.OPT

If you did not save these files, you cannot rebuild BASIC and must perform a complete installation, as described in Chapter 1. If you have these files, make sure they are in the directory [SYSUPD.BASIC]

REBUILDING THE BASIC COMPILER

so the rebuilding procedure can access them.

To begin the rebuilding procedure, invoke VMSUPDATE, according to the software installation guide for your system, and mount the first volume of the BASIC installation kit when the update procedure prompts you for it.

The installation procedure begins by asking you if this is a complete installation or a rebuilding:

Inserting this floppy first allows you to:

1. Perform a complete installation of VAX-11 BASIC.
2. Apply a maintenance update to Version 2.n of VAX-11 BASIC.
3. Rebuild VAX-11 BASIC after applying a maintenance update to VAX/VMS.

What do you wish to do [1, 2, 3]?

If you are applying an update to BASIC, type "2" in response to this question. If you are rebuilding the BASIC compiler after an update of VAX/VMS, type "3".

After you answer "2" or "3" to this question, the command procedure rebuilds BASIC. The procedure takes approximately 30 minutes if you are updating BASIC, or approximately 10 minutes if you are rebuilding the compiler after a maintenance release of VAX/VMS.

3.1 QUESTIONS DURING THE REBUILDING PROCEDURE

Updates to BASIC include a new version of the release notes. Therefore, if you are updating BASIC and answer "2" to the first question, the rebuilding procedure asks you if you want to print a copy of the release notes:

This kit contains a file summarizing the changes made to the VAX-11 BASIC compiler up to this point in time.

Do you want to print this file? [Y/N]:

Answer "Y" if you want to print the file containing the release notes or "N" if you do not. The release notes are also available in the BASIC help files after the installation is complete. See Chapter 4 for more information on how to access the release notes on-line.

In addition, while rebuilding the BASIC compiler either as an update to BASIC or a maintenance release of VMS, the rebuilding procedure may ask you two questions from the original installation procedure:

- Do you want to delete previous versions of the BASIC compiler?
- Do you want to install the BASIC compiler as a known image?

These questions and their appropriate responses are described in detail in Chapter 1 of this manual.

3.2 MOUNTING ADDITIONAL VOLUMES

If you are installing an update of BASIC and answered "2" to the first question, the command procedure may require you to mount additional volumes from the BASIC kit. If the command procedure does require other volumes, it will prompt you to mount them. For example, the command procedure may ask:

Please put the next BASIC kit volume in the drive(label=VAXBASIC3).

Are you ready to continue? [Y/N]:

Mount the appropriate volume in the console drive when requested, and type "Y" to indicate you are ready to continue.

3.3 WARNING MESSAGES WHILE REBUILDING BASIC

If you answer "2" or "3" and the procedure cannot find the three necessary files in the [SYSUPD.BASIC] directory, the procedure displays the following message:

The three files necessary to rebuild BASIC are not in the [.BASIC] directory. They are BASLIB.OLB, BASIC.OPT, and BASICSHR.OPT. You must perform a complete re-installation unless you can restore these files.

Do you want to continue the installation? [Y/N]:

If you have the files on a backup medium or in another directory, type "N" in response to this query. Then restore the files to the [SYSUPD.BASIC] directory and begin the VMSUPDATE and rebuilding procedures again. If you cannot recover these files, answer "Y" and the command procedure will begin a complete installation as described in Chapter 1.

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CHAPTER 4

RELEASE NOTES

Beginning with Version 2.1, the release notes for VAX-11 BASIC are stored on-line in the BASIC help files. The release notes contain information about the following:

- New features in Version 2.0
- Compatibility with earlier versions of VAX-11 BASIC
- Compatibility with PDP-11 BASIC-PLUS-2
- Known problems

To access the release notes from the BASIC environment, type:

```
HELP RELEASE_NOTES
```

To access them from the DCL level, type:

```
$ HELP/PAGE/LIB=BASICHELP RELEASE_NOTES
```


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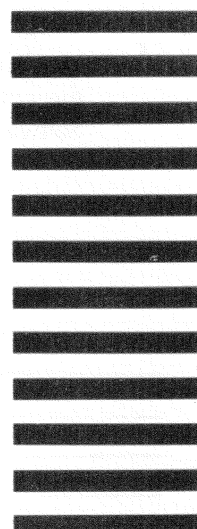
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