Bookreader for OpenVMS

Installation Guide

Order Number: AA–PT19A–TE

March 1993

This guide describes how to install Bookreader on an OpenVMS system.

Operating System:	OpenVMS Version 5.4 or higher
Software Version:	Bookreader Version 4.1

Digital Equipment Corporation
Maynard, Massachusetts

March 1993

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Contents

Preface v

1 Preparing for Installation

1.1 Checking the Distribution Kit 1–1
1.2 Prerequisite Hardware 1–2
1.3 Prerequisite Software 1–2
1.4 Required Operating System Components 1–2
1.5 VAXcluster Considerations 1–2
1.6 Preparing Your System 1–2
1.6.1 Checking Privileges of the Installing Account 1–3
1.6.2 System Disk Space Requirements 1–3
1.6.3 System Parameter Values 1–3
1.6.3.1 Calculating GBLPAGES and GBLSECTIONS Parameter Values 1–4
1.6.3.2 Changing Parameter Values with AUTOGEN 1–4
1.7 Backing Up Your System Disk 1–5
1.8 Determining and Reporting Problems 1–5
1.9 Pre-Installation Check List 1–5

2 Installing Bookreader

2.1 Running the VMSINSTAL Command Procedure 2–1

3 Post-Installation Procedures

3.1 Additional VAXcluster Tasks 3–1
3.2 Editing the LIBRARY.DECW$BOOKSHELF File 3–1
3.3 Running Bookreader 3–2

A Sample Bookreader Installation

B Bookreader Files

Index

Tables

1–1 Required Minimum System Parameter Values 1–3
1–2 Pre-Installation Check List 1–5

Preface

Bookreader lets you read online documentation in a Motif environment.

Purpose of This Guide

This guide describes how to install and maintain Bookreader on the OpenVMS operating system. You should review the entire guide before you start the installation.

Who Should Use This Guide

This guide is for OpenVMS system managers or others responsible for installing system software. To install the Bookreader software, you must have access to a privileged account such as the SYSTEM account, and you must be familiar with the OpenVMS installation procedure, VMSINSTAL.COM.

For More Information

Refer to the following documents for more information about Bookreader:

- Online Help—choose items from the Bookreader Help menu
- Online documentation that ships on the ConOLD discs:
  - *Using Bookreader*
  - *Managing Bookreader Libraries and Books*
  - *Adding Bookreader to Your Environment*

For more information about the VMSINSTAL command procedure, see one of the following manuals:

- *VMS System Manager's Manual*, in the OpenVMS base documentation set
- *Guide to Setting Up a VMS System*, in the OpenVMS system management kit

Conventions

The following conventions are used in this guide:

Return	In procedures, key names are shown enclosed to indicate that you press a key on the keyboard.
Ctrl/x	A sequence such as Ctrl/x indicates that you must hold down the key labeled Ctrl while you press another key or a pointing device button.
( )	In format descriptions, parentheses indicate that, if you choose more than one option, you must enclose the choices in parentheses.
[ ]	In format descriptions, brackets indicate that whatever is enclosed is optional; you can select none, one, or all of the choices.
italic text	Italic text represents information that can vary in system messages (for example, Internal error *number*).
UPPERCASE TEXT	Uppercase letters indicate that you must enter a command. Uppercase letters also indicate the name of a routine, the name of a file, the name of a file protection code, or the abbreviation of a system privilege.
Bookreader	The term Bookreader refers to the Bookreader™ software.
VMS systems	Refers to OpenVMS VAX systems unless otherwise specified.

1
Preparing for Installation

This chapter describes tasks that you must complete before installing Bookreader. Installing Bookreader is similar to installing other OpenVMS layered products. You must do the following:

- Take an inventory of the software distribution kit.
- Make sure that your system has the prerequisite hardware and enough disk space to install and run Bookreader.
- Make sure that your system has the required OpenVMS operating system components and the prerequisite software.
- If you are installing on a VAXcluster, decide how best to install Bookreader, depending on your configuration.
- Check your global pages and global sections OpenVMS system parameters.
- Back up your system disk.
- Advise your users when the installation will take place and how long it will take. The full installation takes approximately 10 minutes on a VAXstation 3100 system. Your time may vary depending on your system configuration.

Once you have prepared your system, you can then perform the installation procedure as described in Chapter 2, and any necessary post-installation procedures as described in Chapter 3.

1.1 Checking the Distribution Kit

Each Bookreader distribution kit contains:

- The distribution medium for the Bookreader software
- The *Bookreader for OpenVMS Installation Guide*

If your kit is damaged or parts of it are missing, contact your Digital representative.

1.2 Prerequisite Hardware

Bookreader runs on all hardware configurations supported by OpenVMS DECwindows Motif V1.0 or higher.

1.3 Prerequisite Software

To install and run Bookreader, you must have the following:

- A valid OpenVMS operating system configuration running OpenVMS Version 5.4 or higher and OpenVMS DECwindows Motif Version 1.0 or higher.

1.4 Required Operating System Components

Bookreader requires the following OpenVMS Version 5.4 components:

- VMS required files (BASE)
- Network support (NETWORK)

If your system does not meet these requirements, the installation will fail. You must install the required software using VMSTAILOR before performing the Bookreader installation.

1.5 VAXcluster Considerations

You can install Bookreader on a VAXcluster.

In a common-environment VAXcluster, you can install Bookreader on the VAXcluster boot node. This allows more than one VAX processor to share the same Bookreader software.

In a multiple-system VAXcluster, you can install Bookreader on each system disk in the cluster.

You must make sure that each node where you plan to install or run Bookreader meets the minimum system parameter value requirements. See Section 1.6.3 for a list of required system parameter values.

1.6 Preparing Your System

This section tells you which characteristics of your system you need to check before you install Bookreader. These characteristics include:

- Account privileges
- Disk space requirements

- System parameters

You must adjust those characteristics that do not match the minimum values required for installing and running Bookreader.

1.6.1 Checking Privileges of the Installing Account

The account you use to install Bookreader must have the user privilege SETPRV. As one of the first actions, the VMSINSTAL command procedure grants all privileges (except BYPASS) to the process that invokes it. This command succeeds only if the account has SETPRV.

On most systems, the SYSTEM account has SETPRV and is used to install software. The procedures described in this installation guide refer to the SYSTEM account, but they are the same for any account with SETPRV.

1.6.2 System Disk Space Requirements

Your system must have at least 5000 free disk blocks to accommodate the installation.

Use the DCL command SHOW DEVICE to determine the number of free blocks that are available on the system disk, as follows:

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

If the disk does not have enough free blocks, delete unnecessary files to provide the space required.

1.6.3 System Parameter Values

Table 1–1 lists the minimum system parameter values required for Bookreader installation and use.

On a VAXcluster, you must adjust not only the system parameters of nodes on which you install Bookreader, but also the nodes on which you intend to run Bookreader.

Table 1–1 Required Minimum System Parameter Values

System Parameter	Minimum Value
GBLPAGES	1055 unused global pages
GBLSECTIONS	1 unused global section

1.6.3.1 Calculating GBLPAGES and GBLSECTIONS Parameter Values

The values for GBLPAGES and GBLSECTIONS in Table 1–1 indicate that you must have at least 1055 unused global pages and 1 unused global section available for the installation.

To calculate the number of unused global pages and global sections on your system, perform these steps:

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

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

2. If the number of unused global pages or global sections is less than the number specified in Table 1–1, you must increase the value using the AUTOGEN command procedure, as shown in Section 1.6.3.2.

1.6.3.2 Changing Parameter Values with AUTOGEN

Use the AUTOGEN command procedure to change system parameters. To change system parameters with AUTOGEN:

1. Edit the following file:

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

   For example, to increase the setting for the GBLPAGES system parameter by 1055, add this line to the file:

```
ADD_GBLPAGES = 1055
```

2. Run the AUTOGEN procedure to recalculate your system parameters and reboot the system. Enter the following command at the DCL prompt:

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

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

   AUTOGEN 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 parameter on the AUTOGEN command line as well. For example:

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

For more information about using AUTOGEN, see the instructions on modifying system parameters in the *Guide to Setting Up a VMS System*.

1.7 Backing Up Your System Disk

At the beginning of the installation, VMSINSTAL asks if you have backed up your system disk. Digital recommends that you do a system disk backup before installing any software. If a system failure occurs at a critical point during the installation, some of the files could be corrupted. Therefore, you should back up your system disk before attempting any software installation.

For more information on backing up your system disk, see the section on the Backup Utility in the Report

- Fill out and a Reader's Comments if the problem has todo with the Bookreader There are Reader's forms at the back each manual. Use the formfrom the manual in which found the error. the section number and page number.

Review the Software Product Description (SPD) andWarranty Addendum for an to install,2–1

V

VAXcluster
  Bookreader tasks, 3–1
  installing 1–2
VMS components required, 1–2
VMSINSTAL 2–2 to 2–6
  commandline, 2–2
  problem detection, 2–1
  starting the 2–1
  stopping the n, 2–1
  time needed install, 2–1