VAX/VMS Verify Utility Reference Manual

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digital software

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Order Number: AA-Z434A-TE

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This document describes the functions of the Verify Utility for use on VAX processors.

Revision/Update Information: This is a new manual.

Software Version: VAX/VMS Version 4.0

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VERIFY Contents

Preface

Intended Audience

This document is intended for users who are familiar with the Digital Command Language (DCL) as well as with Files–11 Structure Levels 1 and 2 disk volumes. Users who need to check the readability and validity of Files–11 disk volumes can use the information in this document to detect and repair errors and inconsistencies.

Structure of This Document

This document is composed of three major sections.

The Format Section is an overview of the Verify Utility and is intended as a quick reference guide. The format summary contains the DCL command that invokes the Verify Utility, listing all qualifiers and parameters. The usage summary describes how to invoke and exit from the Verify Utility, how to direct output, and any restrictions you should be aware of.

The Description Section explains how to use the Verify Utility.

The Qualifier Section describes each DCL command qualifier and provides an example of each. Qualifiers appear in alphabetical order.

Associated Documents

The *Guide to VAX/VMS Disk and Magnetic Tape Operations* provides instructions for performing various tasks that involve private disk and magnetic tape volumes.

The *Guide to VAX/VMS System Management and Daily Operations* provides task-oriented instructions for maintaining a VAX/VMS operating system environment. These instructions include applications of the Verify Utility that are useful to system managers.

Conventions Used in This Document

Convention	Meaning
CTRL/x	The phrase CTRL/x indicates that you must press the key labeled CTRL while you simultaneously press another key, for example, CTRL/C, CTRL/Y, CTRL/O.
$ SHOW TIME 05-JUN-1985 11:55:22	Command examples show all output lines or prompting characters that the system prints or displays in black letters. All user-entered commands are shown in red letters.

Convention	Meaning
$ TYPE MYFILE.DAT . . .	Vertical series of periods, or ellipsis, mean either that not all the data that the system would display in response to the particular command is shown or that not all the data a user would enter is shown.
[logical-name]	Square brackets indicate that the enclosed item is optional. (Square brackets are not, however, optional in the syntax of a directory name in a file specification or in the syntax of a substring specification in an assignment statement.)

New and Changed Features

In VAX/VMS Version 4.0 of the Verify Utility, you cannot continue an operation after entering CTRL/C or CTRL/Y. Instead, the operation aborts.

VERIFY

The Verify Utility (VERIFY) checks the readability and validity of Files–11 Structure Level 1 and Structure Level 2 disk volumes, and reports errors and inconsistencies.

You can detect most classes of errors by executing the utility once, using defaults; the use of many qualifiers to select the error classes is not necessary.

FORMAT

ANALYZE/DISK_STRUCTURE *device-name: [/qualifier]*

Command Qualifiers	Defaults
/[NO]CONFIRM	*/NOCONFIRM*
/[NO]LIST[=file-spec]	*/NOLIST*
/[NO]READ_CHECK	*/NOREAD_CHECK*
/[NO]REPAIR	*/NOREPAIR*
/USAGE[=file-spec]	*See text.*

Command Parameters

device-name

Specifies the disk volume or volume set to be verified. You can use a logical name. If you specify a volume set, all volumes of the volume set must be mounted as Files–11 structured. (For information on the Mount Utility, refer to the *VAX/VMS Utilities Reference Volume*.)

usage summary

Invoking

You invoke the Verify Utility by entering the DCL command ANALYZE /DISK_STRUCTURE. If you omit the device-name parameter, the utility prompts you for it.

Exiting

The Verify Utility returns you to the DCL prompt after it completes its operation.

If you enter CTRL/C or CTRL/Y during execution of the utility, the operation is aborted; note that you will **not** be able to resume the operation with the DCL command CONTINUE.

Directing Output

The Verify Utility has two qualifiers that allow you to direct output. The /LIST[=file-spec] qualifier causes the Verify Utility to produce a listing of the specification.

The /USAGE[=file-spec] qualifier causes the utility to produce a disk usage accounting file.

COMMAND QUALIFIERS

/CONFIRM

Determines whether the Verify Utility prompts you to confirm each repair. If you respond with Y or YES, the utility performs the repair. Otherwise, the repair is not performed.

FORMAT

device-name: **/REPAIR/[NO]CONFIRM**

DESCRIPTION

Use the /CONFIRM qualifier with the /REPAIR qualifier.

Some repairs allow you the option of deleting the file. In these cases, you can delete the file by responding to the prompt with D or DELETE. If you respond with Y or YES, the utility performs the default repair. (For more information on messages, see the *VAX/VMS System Messages and Recovery Procedures Reference Manual*.)

The default is /NOCONFIRM.

EXAMPLE

```
$ ANALYZE/DISK_STRUCTURE DBA0:/REPAIR/CONFIRM
%VERIFY-I-BACKLINK, incorrect directory back link [SYS0]SYSMAINT.DIR;1
Repair this error? (Y or N): Y
%VERIFY-I-BACKLINK, incorrect directory back link [SYSEXE]SYSBOOT.EXE;1
Repair this error? (Y or N): N
```

This command requests the Verify Utility to prompt for confirmation before performing a repair on the RP06 volume mounted on DBA0:.

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