

## NAME

**veritas** — validate that a Humdrum document has not been modified

## SYNOPSIS

**veritas** [-v] *inputfile*

## DESCRIPTION

The **veritas** command provides an on-line means for formally or informally verifying that a given Humdrum file originates with a given publisher or source, or whether the file has been modified in some way. The command provides a convenient way of reassuring scholars of the accuracy or origin of a document.

The **veritas** command looks for a checksum validation number encoded in a VTS reference record in the given input file. (See the **Reference Records (1)** description.) The command then calculates the checksum for the file (excluding the VTS record itself) and compares this value with the checksum encoded in the file. If these values differ, a warning is issued that the file has been modified in some way. If these values are the same, a confirming message is issued.

Note that this verification process is easily circumvented by malicious individuals. For better security, the -v option should be invoked and the output checksum value should be compared with an independent printed list of checksums provided by the supplier of the electronic document.

## OPTIONS

The **veritas** command provides the following options:

- h displays a help screen summarizing the command syntax
- v invoke verbose mode

Options are specified in the command line.

The -v option will cause the checksum validation number to be output. This value should be manually compared with a printed checksum provided by the supplier of the electronic document. Note that the change of even a single character in a file typically leads to a radically different checksum.

## PORTABILITY

DOS 2.0 and up, with the MKS Toolkit. OS/2 with the MKS Toolkit. UNIX systems supporting the *Korn* shell or *Bourne* shell command interpreters, and POSIX.2 compliant **cksum** command.

**veritas** (4)

◇ *Humdrum Command Reference* ◇

## SEE ALSO

**cksum** (UNIX), **sum** (UNIX)