

NAME

tp – mag tape format

DESCRIPTION

The command *tp* dumps files to and extracts files from magtape.

Block zero contains a copy of a stand-alone bootstrap program. See *tapeboot(VIII)*.

Blocks 1 through 62 contain a directory of the tape. There are 496 entries in the directory; 8 entries per block; 64 bytes per entry. Each entry has the following format:

path name	32 bytes
mode	2 bytes
uid	1 byte
gid	1 byte
unused	1 byte
size	3 bytes
time modified	4 bytes
tape address	2 bytes
unused	16 bytes
check sum	2 bytes

The path name entry is the path name of the file when put on the tape. If the pathname starts with a zero word, the entry is empty. It is at most 32 bytes long and ends in a null byte. Mode, uid, gid, size and time modified are the same as described under i-nodes (*fs(V)*). The tape address is the tape block number of the start of the contents of the file. Every file starts on a block boundary. The file occupies $(\text{size}+511)/512$ blocks of continuous tape. The checksum entry has a value such that the sum of the 32 words of the directory entry is zero.

Blocks 63 on are available for file storage.

A fake entry has a size of zero. See *tp(I)*.

SEE ALSO

fs(V), *tapeboot(VIII)*, *tp(I)*