

NAME

tp — magnetic tape format

DESCRIPTION

The command *tp*(1) dumps files to and extracts files from magtape. Block zero contains a copy of a stand-alone bootstrap program.

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:

```

struct  tpent  {
    char   pathnam[32];
    short  uid;
    char   uid;
    char   gid;
    char   spare;
    char   size0;
    short  size2;
    long   time;
    short  tapea;      /* tape address */
    short  unused[8];
    short  cksum;      /* check sum */
}

```

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*(5)). 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 check-sum 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*(1).

SEE ALSO

tp(1), *fs*(5)