

## MKPT(VIII)

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### NAME

`mkpt` - make prototype file for use by `mkfs`

### SYNOPSIS

`/etc/mkpt spec proto`

### DESCRIPTION

`Mkpt` constructs a prototype file `proto` according to the directions found in the specification file `spec`. The specification file must contain the name of the boot file as the first token, the size of the file system to be created as the second token and the size of the i-list in blocks as the third token. The next set of tokens comprise the specification for the root file. See `mkfs` (VIII) for the correct format of the above tokens.

All of the following tokens consist of directory names. Directory names followed by a ':' are made directory entries in the `proto` file. Directory names not terminated by a ':' are scanned by `mkpt` and all entries are put in the `proto` file (recursively). If no ':' terminated directory name appears, all entries taken from the specified directories are entered into the `proto` file as originating from the root directory. A directory name terminated by a ':' and followed immediately by another directory name terminated by a ':' will be entered as an empty directory entry in the `proto` file. A directory name terminated by a ':' may be followed by as many directory names not terminated by ':'s as desired.

A directory name terminated by a ':' may be several levels deep, e.g. `usr/usra: .`. All subsequent directory names terminated by ':' will be put in the directory 'usr'. One may back up a directory level by means of the entry `'..'`. This enables one to extract selectively certain sub-directories of a given directory.

Editing of the `proto` file will only be required if one wishes to change the names of some files. Otherwise the `proto` file may be used exactly as is to create a new file system using `mkfs` (see `mkfs` (VIII)).

Some sample specification files follow:

```
/usr/mdec/uboot
4872 55
d--777 3 1
bin: /bin
lib: /lib
dev: /dev
etc: /etc
tmp:
usr:
mnt:
crp:
```

and

```
/usr/mdec/uboot
42000 500
d--777 3 1
/usr
```

and

```
/usr/mdec/uboot
20000 300
d--777 3 1
```

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```
usra: /usr/usr1 /usr/usr2 /usr/usr3
usrb: /usr/usr4
usrc:
usrd: /usr/usr5
```

and

```
/usr/mdec/uboot
35000 450
d--777 3 1
/
```

and

```
/usr/mdec/uboot
4000 80
d--777 3 1
bin: /bin
etc: /etc
dev: /dev
lib: /lib
tmp:
usr/usra: /usr/usra
usrb: /usr/usrb
usrc:
bin: /usr/bin
mnt:
crp:
```

**SEE ALSO**

file system(V), directory(V), boot procedures(VIII).

**DIAGNOSTICS**

There are diagnostics for non-existent or non-readable directories.

**BUGS**

If a very large *proto* file is created, it cannot be edited to make any changes.

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