NAME

getgrent, getgrgid, getgrnam, setgrent, endgrent — get group file entry

SYNOPSIS

#include <grp.h>

struct group *getgrent ( )

struct group *getgrgid (gid)
int gid;

struct group *getgrnam (name)
char *name;

int setgrent ( );

int endgrent ( );

DESCRIPTION

Getgrent, getgrgid and *getgrnam* each return pointers to an object with the following structure containing the broken-out fields of a line in the group file.

```
/*              @(#)grp.h        2.1              */
struct          group {
                char            *gr_name;
                char            *gr_passwd;
                int             gr_gid;
                char            **gr_mem;
};
```

The members of this structure are:

gr_name   The name of the group.
gr_passwd The encrypted password of the group.
gr_gid   The numerical group-ID.
gr_mem   Null-terminated vector of pointers to the individual member names.

Getgrent reads the next line of the file, so successive calls may be used to search the entire file. *Getgrgid* and *getgrnam* search from the beginning of the file until a matching *gid* or *name* is found, or EOF is encountered.

A call to *setgrent* has the effect of rewinding the group file to allow repeated searches. *Endgrent* may be called to close the group file when processing is complete.

FILES

/etc/group

SEE ALSO

getlogin(3C), getpwent(3C), group(5)

DIAGNOSTICS

A null pointer (0) is returned on EOF or error.

BUGS

All information is contained in a static area so it must be copied if it is to be saved.