

grp.h - Man Page

group structure

Prolog

This manual page is part of the POSIX Programmer's Manual. The Linux implementation of this interface may differ (consult the corresponding Linux manual page for details of Linux behavior), or the interface may not be implemented on Linux.

Synopsis

```
#include <grp.h>
```

Description

The *<grp.h>* header shall declare the **group** structure, which shall include the following members:

```
char    *gr_name  The name of the group.
gid_t   gr_gid    Numerical group ID.
char    **gr_mem  Pointer to a null-terminated array of character
                  pointers to member names.
```

The *<grp.h>* header shall define the **gid_t** and **size_t** types as described in *<sys/types.h>*.

The following shall be declared as functions and may also be defined as macros. Function prototypes shall be provided.

```
void      endgrent(void);
struct group *getgrent(void);
struct group *getgrgid(gid_t);

int       getgrgid_r(gid_t, struct group *, char *,
                    size_t, struct group **);
struct group *getgrnam(const char *);
int       getgrnam_r(const char *, struct group *, char *,
                    size_t, struct group **);
void      setgrent(void);
```

The following sections are informative.

Application Usage

None.

Rationale

None.

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None.

See Also

`<sys_types.h>`

The System Interfaces volume of POSIX.1-2017, `endgrent()`, `getgrgid()`, `getgrnam()`

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Referenced By

`endgrent(3p)`, `getgrgid(3p)`, `getgrnam(3p)`.

2017 IEEE/The Open Group POSIX Programmer's Manual

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