

NAME

pwd.h – password structure

SYNOPSIS

```
#include <pwd.h>
```


DESCRIPTION


The `<pwd.h>` header shall define the **struct passwd**, structure, which shall include at least the following members:

char	*pw_name	User's login name.
uid_t	pw_uid	Numerical user ID.
gid_t	pw_gid	Numerical group ID.
char	*pw_dir	Initial working directory.
char	*pw_shell	Program to use as shell.


The `<pwd.h>` header shall define the **gid_t**, **uid_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.

[XSI] 

```
void          endpwent(void);
struct passwd *getpwent(void);

struct passwd *getpwnam(const char *);
int           getpwnam_r(const char *, struct passwd *, char *,
                        size_t, struct passwd **);
struct passwd *getpwuid(uid_t);
int           getpwuid_r(uid_t, struct passwd *, char *,
                        size_t, struct passwd **);
```

[XSI] 

```
void          setpwent(void);

```

The following sections are informative.

APPLICATION USAGE

None.

RATIONALE

None.

FUTURE DIRECTIONS

None.

SEE ALSO

[<sys/types.h>](#)

XSH [endpwent](#), [getpwnam](#), [getpwuid](#)

CHANGE HISTORY

First released in Issue 1.

Issue 5

The DESCRIPTION is updated for alignment with the POSIX Threads Extension.

Issue 6

The following new requirements on POSIX implementations derive from alignment with the Single UNIX Specification:

- The **gid_t** and **uid_t** types are mandated.
- The [getpwnam_r\(\)](#) and [getpwuid_r\(\)](#) functions are marked as part of the Thread-Safe Functions option.

Issue 7

SD5-XBD-ERN-56 is applied, adding a reference to [<sys/types.h>](#) for the **size_t** type.

End of informative text.

[return to top of page](#)

UNIX ® is a registered Trademark of The Open Group.
POSIX ™ is a Trademark of The IEEE.
Copyright © 2001-2018 IEEE and The Open Group, All Rights Reserved
[[Main Index](#) | [XBD](#) | [XSH](#) | [XCU](#) | [XRAT](#)]

[<<< Previous](#)

[Home](#)

[Next >>>](#)
