



Linux Ubuntu 26.04 Manual Pages on command 'setaliasent.3'

\$ man setaliasent.3

setaliasent(3) Library Functions Manual setaliasent(3)

NAME

setaliasent, endaliasent, getaliasent, getaliasent_r, getaliasbyname, getaliasbyname_r -
read an alias entry

LIBRARY

Standard C library (libc, -lc)

SYNOPSIS

```
#include <aliases.h>

void setaliasent(void);

void endaliasent(void);

struct aliasent *getaliasent(void);

int getaliasent_r(size_t size;
                 struct aliasent *restrict result,
                 char buffer[restrict size], size_t size,
                 struct aliasent **restrict res);

struct aliasent *getaliasbyname(const char *name);

int getaliasbyname_r(size_t size;
                    const char *restrict name,
                    struct aliasent *restrict result,
                    char buffer[restrict size], size_t size,
                    struct aliasent **restrict res);
```

DESCRIPTION

One of the databases available with the Name Service Switch (NSS) is the `aliases` database,

? setaliasent(), endaliasent(), getaliasent_r(), ? Thread safety ? MT-Safe locale ?

? getaliasbyname_r() ? ? ?

??

? getaliasent(), getaliasbyname() ? Thread safety ? MT-Unsafe ?

??

STANDARDS

GNU.

HISTORY

The NeXT system has similar routines:

```
#include <aliasdb.h>

void alias_setent(void);

void alias_endent(void);

alias_ent *alias_getent(void);

alias_ent *alias_getbyname(char *name);
```

EXAMPLES

The following example compiles with gcc example.c -o example. It will dump all names in the alias database.

```
#include <aliases.h>

#include <errno.h>

#include <stdio.h>

#include <stdlib.h>

int

main(void)

{

    struct aliasent *al;

    setaliasent();

    for (;;) {

        al = getaliasent();

        if (al == NULL)

            break;

        printf("Name: %s\n", al->alias_name);

    }

    if (errno) {
```

```
    perror("reading alias");  
    exit(EXIT_FAILURE);  
}  
endaliasent();  
exit(EXIT_SUCCESS);  
}
```

SEE ALSO

[getgrent\(3\)](#), [getpwent\(3\)](#), [getspent\(3\)](#), [aliases\(5\)](#)

Linux man-pages 6.17

2026-02-08

[setaliasent\(3\)](#)