Full credit is given to the above companies including the OS that this PDF file was generated!

## Rocky Enterprise Linux 9.2 Manual Pages on command 'endaliasent.3'

*$ man endaliasent.3*

SETALIASENT(3)          Linux Programmer's Manual          SETALIASENT(3)

NAME

    setaliasent,  endaliasent,  getaliasent, getaliasent_r, getaliasbyname,

    getaliasbyname_r - read an alias entry

SYNOPSIS

    #include <aliases.h>

    void setaliasent(void);

    void endaliasent(void);

    struct aliasent *getaliasent(void);

    int getaliasent_r(struct aliasent *result,

        char *buffer, size_t buflen, struct aliasent **res);

    struct aliasent *getaliasbyname(const char *name);

    int getaliasbyname_r(const char *name, struct aliasent *result,

        char *buffer, size_t buflen, struct aliasent **res);

DESCRIPTION

    One of the databases available with the Name Service  Switch  (NSS)  is

    the  aliases  database, that contains mail aliases.  (To find out which

    databases are supported, try getent --help.)  Six  functions  are  pro?

vided to access the aliases database.

The getaliasent() function returns a pointer to a structure containing the group information from the aliases database. The first time it is called it returns the first entry; thereafter, it returns successive entries.

The setaliasent() function rewinds the file pointer to the beginning of the aliases database.

The endaliasent() function closes the aliases database.

getaliasent_r() is the reentrant version of the previous function. The requested structure is stored via the first argument but the programmer needs to fill the other arguments also. Not providing enough space causes the function to fail.

The function getaliasbyname() takes the name argument and searches the aliases database. The entry is returned as a pointer to a struct aliasent.

getaliasbyname_r() is the reentrant version of the previous function. The requested structure is stored via the second argument but the pro? grammer needs to fill the other arguments also. Not providing enough space causes the function to fail.

The struct aliasent is defined in <aliases.h>:

```
struct aliasent {
    char    *alias_name;        /* alias name */
    size_t  alias_members_len;
    char    **alias_members;        /* alias name list */
    int     alias_local;
};
```

RETURN VALUE

The functions getaliasent_r() and getaliasbyname_r() return a nonzero value on error.

FILES

The default alias database is the file /etc/aliases. This can be changed in the /etc/nsswitch.conf file.

ATTRIBUTES

For an explanation of the terms used in this section, see at?
tributes(7).

????????????????????????????????????????????????????????

?Interface          ? Attribute    ? Value        ?

????????????????????????????????????????????????????????

?setaliasent(), en?  ? Thread safety ? MT-Safe locale ?

?daliasent(), getal? ?            ?            ?

?iasent_r(), getal?  ?            ?            ?

?iasbyname_r()      ?          ?            ?

????????????????????????????????????????????????????????

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

?getaliasbyname()   ?          ?            ?

????????????????????????????????????????????????????????

## CONFORMING TO

These routines are glibc-specific. The NeXT system  has  similar  rou?
tines:

```
#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 <stdio.h>
#include <stdlib.h>
#include <errno.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)

COLOPHON

This page is part of release 5.10 of the Linux  man-pages  project.   A

description  of  the project, information about reporting bugs, and the

latest   version   of   this   page,   can   be   found   at

https://www.kernel.org/doc/man-pages/.

GNU                    2020-06-09                SETALIASENT(3)