Rocky Enterprise Linux 9.2 Manual Pages on command 'getaliasbyname_r.3'

C:\>man getaliasbyname_r.3

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

NAME

setaliasent, endaliasent, getaliasent, getaliasent_r, getaliasbyname, getaliasby?

name_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 provided 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 re? quested structure is stored via the second argument but the programmer 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 er? ror.

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 attributes(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 routines:

```
#include <aliasdb.h>
void alias_setent(void);
void alias_endent(void);
alias_ent *alias_getent(void);
alias_ent *alias_getbyname(char *name);
```

EXAMPLE

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 5.05 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/.