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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'gai_strerror.3p' command

\$ man gai_strerror.3p

GAI_STRERROR(3P) POSIX Programmer's Manual GAI_STRERROR(3P)

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.

NAME

gai_strerror ? address and name information error description

SYNOPSIS

```
#include <netdb.h>

const char *gai_strerror(int ecode);
```

DESCRIPTION

The gai_strerror() function shall return a text string describing an error value for the getaddrinfo() and getnameinfo() functions listed in the <netdb.h> header.

When the ecode argument is one of the following values listed in the <netdb.h> header:

[EAI_AGAIN] [EAI_NONAME]
[EAI_BADFLAGS] [EAI_OVERFLOW]
[EAI_FAIL] [EAI_SERVICE]
[EAI_FAMILY] [EAI_SOCKTYPE]
[EAI_MEMORY] [EAI_SYSTEM]

the function return value shall point to a string describing the error.

If the argument is not one of those values, the function shall return a pointer to a string whose contents indicate an unknown error.

RETURN VALUE

Upon successful completion, `gai_strerror()` shall return a pointer to an implementation-defined string.

ERRORS

No errors are defined.

The following sections are informative.

EXAMPLES

None.

APPLICATION USAGE

None.

RATIONALE

None.

FUTURE DIRECTIONS

None.

SEE ALSO

`freeaddrinfo()`

The Base Definitions volume of POSIX.1-2017, `<netdb.h>`

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