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

*$ man asprintf.3*

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

NAME

    asprintf, vasprintf - print to allocated string

SYNOPSIS

    #define _GNU_SOURCE        /* See feature_test_macros(7) */

    #include <stdio.h>

    int asprintf(char **strp, const char *fmt, ...);

    int vasprintf(char **strp, const char *fmt, va_list ap);

DESCRIPTION

    The  functions asprintf() and vasprintf() are analogs of sprintf(3) and

    vsprintf(3), except that they allocate a string large  enough  to  hold

    the  output  including  the  terminating null byte ('\0'), and return a

    pointer to it via the first argument.  This pointer should be passed to

    free(3) to release the allocated storage when it is no longer needed.

RETURN VALUE

    When  successful,  these  functions return the number of bytes printed,

    just like sprintf(3).  If memory allocation wasn't  possible,  or  some

    other error occurs, these functions will return -1, and the contents of

strp are undefined.

## ATTRIBUTES

For an  explanation  of  the  terms  used  in  this  section,  see  at‐

tributes(7).

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?Interface              ? Attribute    ? Value        ?

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?asprintf(), vasprintf() ? Thread safety ? MT-Safe locale ?

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## CONFORMING TO

These  functions  are GNU extensions, not in C or POSIX.  They are also

available under *BSD.  The FreeBSD implementation sets strp to NULL  on

error.

## SEE ALSO

free(3), malloc(3), printf(3)

## 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/.

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