NAME

asprintf, vasprintf – print to allocated string

LIBRARY

Standard C library (libc, -lc)

SYNOPSIS

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 **attributes**(7).

Interface	Attribute	Value
<pre>asprintf(), vasprintf()</pre>	Thread safety	MT-Safe locale

STANDARDS

These functions are GNU extensions, not in C or POSIX. They are also available under *BSD. The Free-BSD implementation sets *strp* to NULL on error.

SEE ALSO

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