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## **Red Hat Enterprise Linux Release 9.2 Manual Pages on 'vfwprintf.3p' command**

**\$ man vfwprintf.3p**

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

vfwprintf, vswprintf, vwprintf ? wide-character formatted output of a stdarg argument list

### SYNOPSIS

```
#include <stdarg.h>
#include <stdio.h>
#include <wchar.h>

int vfwprintf(FILE *restrict stream, const wchar_t *restrict format,
    va_list arg);

int vswprintf(wchar_t *restrict ws, size_t n,
    const wchar_t *restrict format, va_list arg);

int vwprintf(const wchar_t *restrict format, va_list arg);
```

### DESCRIPTION

The functionality described on this reference page is aligned with the ISO C standard. Any conflict between the requirements described here and the ISO C standard is unintentional. This volume of POSIX.1?2017 defers to the ISO C standard.

The `vwprintf()`, `vswprintf()`, and `wvprintf()` functions shall be equivalent to `fwprintf()`, `swprintf()`, and `wprintf()` respectively, except that instead of being called with a variable number of arguments, they are called with an argument list as defined by `<stdarg.h>`.

These functions shall not invoke the `va_end` macro. However, as these functions do invoke the `va_arg` macro, the value of `ap` after the return is unspecified.

#### RETURN VALUE

Refer to `fwprintf()`.

#### ERRORS

Refer to `fwprintf()`.

The following sections are informative.

#### EXAMPLES

None.

#### APPLICATION USAGE

Applications using these functions should call `va_end(ap)` afterwards to clean up.

#### RATIONALE

None.

#### FUTURE DIRECTIONS

None.

#### SEE ALSO

Section 2.5, Standard I/O Streams, `fwprintf()`

The Base Definitions volume of POSIX.1-2017, `<stdarg.h>`, `<stdio.h>`, `<wchar.h>`

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