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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'wordexp.h.0p' command

\$ man wordexp.h.0p

wordexp.h(0P) POSIX Programmer's Manual wordexp.h(0P)

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

wordexp.h ? word-expansion types

SYNOPSIS

```
#include <wordexp.h>
```

DESCRIPTION

The <wordexp.h> header shall define the structures and symbolic constants used by the `wordexp()` and `wordfree()` functions.

The <wordexp.h> header shall define the `wordexp_t` structure type, which shall include at least the following members:

`size_t we_wordc` Count of words matched by words.

`char **we_wordv` Pointer to list of expanded words.

`size_t we_offs` Slots to reserve at the beginning of `we_wordv`.

The <wordexp.h> header shall define the following symbolic constants for use as flags for the `wordexp()` function:

`WRDE_APPEND` Append words to those previously generated.

`WRDE_DOOFFS` Number of null pointers to prepend to `we_wordv`.

`WRDE_NOCMD` Fail if command substitution is requested.

WRDE_REUSE The `wordexp` argument was passed to a previous successful call to `wordexp()`, and has not been passed to `wordfree()`.

The result is the same as if the application had called `wordfree()` and then called `wordexp()` without `WRDE_REUSE`.

WRDE_SHOWERR Do not redirect `stderr` to `/dev/null`.

WRDE_UNDEF Report error on an attempt to expand an undefined shell variable.

The `<wordexp.h>` header shall define the following symbolic constants as error return values:

WRDE_BADCHAR One of the unquoted characters?<newline>, '|', '&', ';', '<', '>', '(', ')', '{', '}'?appears in words in an inap? appropriate context.

WRDE_BADVAL Reference to undefined shell variable when `WRDE_UNDEF` is set in flags.

WRDE_CMDSUB Command substitution requested when `WRDE_NOCMD` was set in flags.

WRDE_NOSPACE Attempt to allocate memory failed.

WRDE_SYNTAX Shell syntax error, such as unbalanced parentheses or un? terminated string.

The `<wordexp.h>` header shall define the `size_t` type as described in `<stddef.h>`.

The following shall be declared as functions and may also be defined as macros. Function prototypes shall be provided.

```
int wordexp(const char *restrict, wordexp_t *restrict, int);
void wordfree(wordexp_t *);
```

The following sections are informative.

APPLICATION USAGE

None.

RATIONALE

None.

FUTURE DIRECTIONS

None.

SEE ALSO

<stddef.h>

The System Interfaces volume of POSIX.1-2017, Section 2.6, Word Expansions

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