# Package: brio (via r-universe)

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```
file_line_endings
```

Retrieve the type of line endings used by a file

# Description

Retrieve the type of line endings used by a file

#### Usage

```
file_line_endings(path)
```

# Arguments

path

A character string of the path to the file to read.

#### Value

The line endings used, one of

- '\n' if the file uses Unix line endings
- '\r\n' if the file uses Windows line endings
- NA if it cannot be determined

```
tf1 <- tempfile()
tf2 <- tempfile()
write_lines("foo", tf1, eol = "\n")
write_lines("bar", tf2, eol = "\r\n")
file_line_endings(tf1)
file_line_endings(tf2)
unlink(c(tf1, tf2))</pre>
```

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readLines	Read text lines from a file	

#### **Description**

This is a drop in replacement for base::readLines() with restricted functionality. Compared to base::readLines() it:

- Only works with file paths, not connections.
- Assumes the files are always UTF-8 encoded.
- Does not warn or skip embedded nulls, they will likely crash R.
- Does not warn if the file is missing the end of line character.
- The arguments ok, warn, encoding and skipNul are ignored, with a warning.

#### Usage

```
readLines(con, n = -1, ok, warn, encoding, skipNul)
```

#### **Arguments**

con	A character string of the path to a file. Throws an error if a connection object is passed.
n	integer. The number of lines to read. A negative number means read all the lines in the file.
ok	Ignored, with a warning.
warn	Ignored, with a warning.
encoding	Ignored, with a warning.
skipNul	Ignored, with a warning.

#### Value

A UTF-8 encoded character vector of the lines in the file.

#### See Also

```
writeLines()
```

```
authors_file <- file.path(R.home("doc"), "AUTHORS")
data <- readLines(authors_file)

# Trying to use connections throws an error
con <- file(authors_file)
try(readLines(con))
close(con)</pre>
```

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```
# Trying to use unsupported args throws a warning
data <- readLines(authors_file, encoding = "UTF-16")</pre>
```

read\_file

Read an entire file

## **Description**

read\_file() reads an entire file into a single character vector. read\_file\_raw() reads an entire file into a raw vector.

#### Usage

```
read_file(path)
read_file_raw(path)
```

#### **Arguments**

path

A character string of the path to the file to read.

# **Details**

read\_file() assumes the file has a UTF-8 encoding.

## Value

- read\_file(): A length 1 character vector.
- read\_file\_raw(): A raw vector.

```
authors_file <- file.path(R.home("doc"), "AUTHORS")
data <- read_file(authors_file)
data_raw <- read_file_raw(authors_file)
identical(data, rawToChar(data_raw))</pre>
```

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Read text lines from a file

# Description

The file is assumed to be UTF-8 and the resulting text has its encoding set as such.

#### Usage

```
read_lines(path, n = -1)
```

#### **Arguments**

path A character string of the path to the file to read.

n integer. The number of lines to read. A negative number means read all the lines

in the file.

#### **Details**

Both '\r\n' and '\n' are treated as a newline.

#### Value

A UTF-8 encoded character vector of the lines in the file.

# **Examples**

```
authors_file <- file.path(R.home("doc"), "AUTHORS")
data <- read_lines(authors_file)</pre>
```

writeLines

Write lines to a file

#### **Description**

This is a drop in replacement for base::writeLines() with restricted functionality. Compared to base::writeLines() it:

- Only works with file paths, not connections.
- Uses enc2utf8() to convert text() to UTF-8 before writing.
- Uses sep unconditionally as the line ending, regardless of platform.
- The useBytes argument is ignored, with a warning.

#### Usage

```
writeLines(text, con, sep = "\n", useBytes)
```

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#### **Arguments**

text A character vector to write

con A character string of the path to a file. Throws an error if a connection object is

passed.

sep The end of line characters to use between lines.

useBytes Ignored, with a warning.

#### Value

The UTF-8 encoded input text (invisibly).

#### See Also

```
readLines()
```

#### **Examples**

```
tf <- tempfile()
writeLines(rownames(mtcars), tf)
# Trying to use connections throws an error
con <- file(tf)
try(writeLines(con))
close(con)
# Trying to use unsupported args throws a warning
writeLines(rownames(mtcars), tf, useBytes = TRUE)
unlink(tf)</pre>
```

write\_file

Write data to a file

# Description

This function differs from write\_lines() in that it writes the data in text directly, without any checking or adding any newlines.

#### Usage

```
write_file(text, path)
```

# Arguments

text A character vector of length 1 with data to write.

Path A character string giving the file path to write to.

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# Value

The UTF-8 encoded input text (invisibly).

# **Examples**

```
tf <- tempfile()
write_file("some data\n", tf)
unlink(tf)</pre>
```

write\_file\_raw

Write data to a file

#### Description

This function differs from write\_lines() in that it writes the data in text directly, without any checking or adding any newlines.

# Usage

```
write_file_raw(raw, path)
```

# Arguments

raw A raw vector with data to write.

path A character string giving the file path to write to.

```
tf <- tempfile()
write_file_raw(as.raw(c(0x66, 0x6f, 0x6f, 0x0, 0x62, 0x61, 0x72)), tf)
unlink(tf)</pre>
```

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write\_lines

Write lines to a file

# Description

The text is converted to UTF-8 encoding before writing.

# Usage

```
write_lines(text, path, eol = "\n")
```

# **Arguments**

text A character vector to write

path A character string giving the file path to write to.
eol The end of line characters to use between lines.

#### **Details**

The files are opened in binary mode, so they always use exactly the string given in eol as the line separator.

To write a file with windows line endings use write\_lines(eol = "\r\n")

#### Value

The UTF-8 encoded input text (invisibly).

```
tf <- tempfile()
write_lines(rownames(mtcars), tf)
# Write with Windows style line endings
write_lines(rownames(mtcars), tf, eol = "\r\n")
unlink(tf)</pre>
```

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