

# Package: ical (via r-universe)

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**Type** Package

**Title** 'iCalendar' Parsing

**Version** 0.3.0

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**Description** A simple wrapper around the 'ical.js' library executing 'Javascript' code via 'V8' (the 'Javascript' engine driving the 'Chrome' browser and 'Node.js' and accessible via the 'V8' R package). This package enables users to parse 'iCalendar' files ('.ics', '.ifb', '.iCal', '.iFBf') into lists and 'data.frames' to ultimately do statistics on events, meetings, schedules, birthdays, and the like.

**License** MIT + file LICENSE

**Encoding** UTF-8

**LazyData** true

**RoxygenNote** 7.1.1

**Roxygen** list(markdown = TRUE)

**Imports** V8 (>= 1.5)

**Suggests** testthat, covr

**Repository** <https://petermeissner.r-universe.dev>

**RemoteUrl** <https://github.com/petermeissner/ical>

**RemoteRef** HEAD

**RemoteSha** f89d3cb386bedaff4b84a354226f8be44ef77577

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ical\_clean\_ical\_parsed  
*ical\_clean\_ical\_parsed*

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### Description

ical\_clean\_ical\_parsed

### Usage

```
ical_clean_ical_parsed(ical_parsed)
```

### Arguments

ical\_parsed      data provided by ical\_parse()

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ical\_parse      *ical\_parse*

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### Description

Parses iCalendar format from character vector or file and returns it as a list of columns.

Parses iCalendar format from character vector or file and returns it as data.frame.

Parses all calendar data - to various formats: list, list of data.frames, object.

Parses iCalendar format from character vector or file and returns ALL data found in the calendar as tree like list called jcal format. This function is low level and expects the programmer to figure out what belongs where and how to handle things.

Parses iCalendar format from character vector or file and returns it as a list of entries.

### Usage

```
ical_parse(file = NULL, text = NULL, simplify = TRUE)
```

```
ical_parse_df(file = NULL, text = NULL)
```

```
ical_parse_full(file = NULL, text = NULL)
```

```
ical_parse_jcal(file = NULL, text = NULL)
```

```
ical_parse_list(file = NULL, text = NULL)
```

**Arguments**

file	path to file to be read in and parsed
text	text of ical file
return_empty_rows	whether or not to filter out calendar items for which all fields are empty (NA)

**Examples**

```
# parse from character vector
char_vec <- readLines(system.file("birthdays.ics", package = "ical"))
ical_parse(text = char_vec)

# parse from file
ical_parse(file = system.file("birthdays.ics", package = "ical"))
```

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ical_read_text	<i>ical_read_text</i>
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**Description**

Reads in text files or prepares character vectors. Either `file` or `text` have to be specified.

**Usage**

```
ical_read_text(file = NULL, text = NULL, enc = "UTF-8")
```

**Arguments**

file	a file path or connection object.
text	a character vector.
enc	encoding of the file to be read in

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ical_test_files	<i>ical_test_files</i>
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**Description**

Function to get file paths to local test files included in the package.

**Usage**

```
ical_test_files(fname = NULL)
```

**Arguments**

`fname` either NULL which will list files, an integer which will select file paths by index or a string which will select files via regular expression

**Value**

returns one or more file paths

**Examples**

```
ical_test_files()  
ical_test_files(1)  
ical_test_files("mini")
```

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