

Package ‘mdbl’

November 9, 2020

Title Work with Microsoft Access Files

Version 0.1.2

Description Use the open source 'MDB Tools' utilities
<<https://github.com/mdbtools/mdbtools/>>. Primarily used for converting
proprietary Microsoft Access files to simple text files and then
reading those as data frames.

License GPL-3

URL <https://github.com/kiernann/mdbl>

BugReports <https://github.com/kiernann/mdbl/issues>

Imports readr

Suggests testthat

Encoding UTF-8

LazyData true

RoxygenNote 7.1.1

SystemRequirements mdbtools: mdbtools (deb).

NeedsCompilation no

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Repository CRAN

Date/Publication 2020-11-09 09:30:02 UTC

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 export_mdb

Save a table as a text file

Description

Write a Microsoft Access table directly to a text file.

Usage

```
export_mdb(
  file,
  table = NULL,
  path = "",
  delim = ",",
  quote = "\"",
  quote_escape = "\"",
  col_names = TRUE,
  date_format = "%Y-%m-%d %H:%M:%S"
)
```

Arguments

file	Path to the Microsoft Access file.
table	Name of the table, use <code>mdb_tables()</code> .
path	Path or connection to write to. Empty string prints to console.
delim	Single character used to separate fields within a record.
quote	Single character used to quote strings. Defaults to <code>"</code> .
quote_escape	A single character (or empty string) to escape double quotes with text columns. Defaults to doubling although backslashes are also used.
col_names	Whether or not to suppress column names from the table.
date_format	The format in which date columns are converted. MDB Tools uses the <code>strftime(3)</code> format, similar to <code>readr::parse_date()</code> . No need to specify whole string. Defaults to ISO8601.

Value

Invisibly, the path of the new file written.

Examples

```
## Not run:
export_mdb(mdb_example(), "Airlines", path = TRUE)

## End(Not run)
```

mdb_example	<i>Get path to mabr example</i>
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Description

mdbr comes bundled with a sample file from the [nycflights13](#) package in its inst/extdata directory. This function make it easy to access.

Usage

```
mdb_example(path = "nycflights13.mdb")
```

Arguments

path	path to the Microsoft Access file.
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mdb_schema	<i>Create a cols() spec from schema</i>
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Description

Used to determine the column types for [read_mdb\(\)](#).

Usage

```
mdb_schema(file, table = NULL, condense = FALSE)
```

Arguments

file	Path to the Microsoft Access file.
table	Name of the table, use mdb_tables() .
condense	Should readr::cols_condense() be called on the spec?

Value

A readr cols specification list.

Examples

```
## Not run:
mdb_schema(mdb_example(), "Flights", condense = TRUE)

## End(Not run)
```

mdb_tables	<i>List tables in a database file</i>
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Description

Used to find table names for read_mdb().

Usage

```
mdb_tables(file)
```

Arguments

file	Path to the Microsoft Access file.
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Value

A character vector of table names.

read_mdb	<i>Read a table as data frame</i>
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Description

Convert a table to a temporary text file pass to [readr::read_delim\(\)](#).

Usage

```
read_mdb(
  file,
  table = NULL,
  stdout = tempfile(),
  delim = ",",
  quote = "\"",
  quote_escape = "\\\"",
  col_names = TRUE,
  date_format = "%Y-%m-%d %H:%M:%S",
  col_types = mdb_schema(file, table),
  ...
)
```

Arguments

file	Path to the Microsoft Access file.
table	Name of the table, use <code>mdb_tables()</code> .
stdout	Where to save the exported text; accepted options are TRUE, which creates a character vector in memory, or a file path to write (defaults to <code>tempfile()</code>).
delim	Single character used to separate fields within a record.
quote	Single character used to quote strings. Defaults to <code>"</code> .
quote_escape	A single character (or empty string) to escape double quotes with text columns. Defaults to doubling although backslashes are also used.
col_names	Whether or not to suppress column names from the table.
date_format	The format in which date columns are converted. MDB Tools uses the <code>strftime(3)</code> format, similar to <code>readr::parse_date()</code> . No need to specify whole string. Defaults to ISO8601.
col_types	One of NULL, a <code>readr::cols()</code> specification, or a string. See <code>vignette("readr")</code> for more details. A generic <code>readr::cols()</code> specification can be made by <code>mdb_schema()</code> via the <code>mdb-schema</code> utility.
...	Additional arguments passed to <code>readr::read_delim()</code> .

Value

A data frame.

Examples

```
## Not run:  
read_mdb(mdb_example(), "Flights")  
  
## End(Not run)
```

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